

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER
A	1462	8A	6/6/18	INCLINOMETERS: 5 Hebrard gyroscopes inclinometers not read.
P	1345	12H	6/20/18	" Above shipped May 21.
A	1581	2B	6/21/18	" Have Hebrard gyroscopes been shipped?
P	1571	3	8/7/18	" Send as requested in 1393-P-7 for DH4 planes.
		3A		" Send 445 for foreign built planes.
		3D		" Will secure Elliott inclinometers from Eng.
A	817	3	2/22/18	INDICATORS Can AEF supply tension indicators for balloon
P	667	1B	3/ 1/18	" French can supply them as balloon co. arrive
A	882	4B	3/ 9/18	" Make arrangements to supply indicators detension to balloon cos. on arrival & ship 20 to U.S.
P	702	1B	3/ 9/18	" Toussaint-Lepere will furnish speed indicators.
P	822	2B	4/10/18	" 20 Tension indicators ordered. Will be shipped as soon as received.
A	1273	5B	5/9/18	" Toussaint Lepere speed indicators not received. Trace.
P	1149	4B	5/19/18	" Indicators being traced.
P	1215	7B	5/30/18	" Toussaint Lepere indicators shipped May 11th.
A	1479	3	6/ 8/18	" Data on Jenkins night altitude indicators wanted.
P	1316	1B	6/16/18	" Jenkins night altitude indicator not used.
P	1571	3	8/ 7/18	" Send speed indicators as requested DH in 1393-7.
S	288	2	10/14/18	INDUSTRIAL CO Send 500 Industrial heaters for Liberty in December and 300 in Jan.
A	8	8	6/27/17	INFORMATION Request Clark and Correll send recommendation all types training planes.
A	9		7/ 8/17	" Investigate concerning hangars used French.
A	33	13	7/14/17	" Cable No. officers and men in French air Service, also casualties for 6 months.
SD	194	2	10/ 8/17	" Eng. disturbed by publication Artillery secrets in "Flying" Take steps to stop.
A	283	18	10/15/17	" Wodehouse says obtained information on artillery in Eng. Efforts made to Check.
A	350	5	11/ 3/17	" More frigid censorship established on publications.
P	323	2	11/27/17	" French say very imprudent publish facts re aviation program. Reaction later if not true.
SD	276	1	11/22/17	" Arrival of Waldon shows may reports and information sent to U.S. not received by proper authorities.

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A	1733	6	7/18/18	INFORMATION 2 copies of infor.sec. bulletins wanted.
P	1508	2	7/25/18	" 10 copies each bulletin mailed U.S.
P	1510	9	7/25/18	" 2 copies Intelligence report.
Pcc	98	2	8/ 5/18	" Charts and books wanted on Machine guns, bombs and bomb gears.
CP	98	2	8/ 6/18	" 100 sets charts wanted for machine guns, sights and bombs.
P	1791	4	10/14/18	" Lt. H.K.Green wanted by Information Sec.
A	2078	8	10/19/18	" Capt. Horace Green ordered to France.
S	434	6	11/ 9/18	" News items bravery observer will be sent.
A	2285	6	12/ 4/18	" Capt. Kendall desired for return to U.S.
A	2294	4	12/ 7/18	" Lt. Meade wanted in U.S. for Information Section.
P	159	18-1	9/ 5/17	INSIGNIA Do not adopt insignia one wing only. Denotes Student.
P			11/13/17	" Star marking unsuccessful. New circles used.
A	608	15	1/ 9/18	" Proposed change.
P	489	7	1/15/18	" Proposed change approved.
A	1034	IA	4/ 5/18	" Will 5 ft insignia be satisfactory? Change will cause delay in production of planes.
P	922	5A	4/15/18	" Use 5ft marking to avoid delay. Follow specifications on other requirements.
A	1180	IC	4/26/18	" Instructions issued to Mfgs. re.insignia.
P	1249	IH	6/ 5/18	" Proposed new insignia for Air Service.
A	1482	12	6/ 8/18	" Insignia for Air Service designed in U.S.
A	1510	2	6/13/18	" Description of insignia adopted in U.S. for A.S.
A	1685	5	7/ 9/18	" Are Germans using hidden insignia? Can furnish colored filters to detect same.
CCP	37	1	7/29/	" No information of use of RM Aeronaut insignia.
P	1536	11B	7/30/18	" Germans are not using hidden insignia.
A	1910	8G	8/ 3/18	" Designing for sleeve insignia approved and ordered.
A	1681	2H	7/ 8/18	" Is automatic supply sleeve insignia correct?
P	1350	2K	6/21/18	" Ship supply of sleeve insignia.
P	1464	3B	7/15/18	" Automatic supply is 100 per month.
CA	6	3	8/15/18	" No rating for Military Aeronaut. Will be for balloon service.
P	1872	10	11/ 7/18	" Is insignia for aerial gunners approved? Change squadron organization tables to make gunners officers.
A	2228		11/21/18	" Gunner insignia etc.
P	23	9	7/ 7/17	INSPECTION Recommend appointment of Aviation Inspector in London.
P	1353	24	6/22/18	" 4 British inspectors being sent coordinate inspection HP parts in U.S.
A	1656	IP	7/ 4/18	" Send inspectors for HP. Bring jigs with them.
A	51	1-6	7/24/17	INSTRUMENTS Send complete outfit Airplane surveyor instruments.
P	44	10	7/16/17	" Europe unable supply U.S. with aeronautical instruments. Request U.S. turn out some.
P	78	108-1	8/ 7/17	" Recommend make all planes with Jaeger revolution indicators.
P	121	2	8/23/17	" Samples German planes and various instrument shipped to U.S.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P 610	IB	2/16/18	ITALY No more men to be sent there for training will 50% cut in production affect Italian deliveries.
A 835	IC	2/27/18	" Excess of dope from Usines due Rhone should be diverted to Italy.
A 855	2 4E	3/ 3/18	" Italian order already in for hangars. " Negotiations being made with Italian reps. for Liberty and Caproni. Caproni will be cut to 1000.
P 728	2	3/14/18	" Allocation for Italy should not begin until original purchases now at ports are shipped. Material badly needed.
A 974	III	3/25/18	" Allocation not responsible for delay in material shipment to Italy, but lack of tonnage.
A 1015	IC	4/ 1/18	" 5 Liberty engines del. to Italy at Baltimore. 1 Capt. who came with first shipment to go to Italy.
A 1035	1	4/ 5/18	" No further allocation of tonnage to Italy.
P 864	4C	4/ 7/18	" Will use same grade spruce as England & France does.
P 882	2E	4/10/18	" Cancel order S I A as plane is a failure.
A 1107	8	4/16/18	" S I A order cancelled.
P 1043	3	5/ 6/18	" Unity of command being settled for Italy by War Council.
P 1067	1	5/ 8/18	" Status of payments of Italian contracts.
P 1153	6B	5/20/18	" Italy requests speed up magnesium shipments.
P 1175	Con.	5/23/18	" Allocate 250 to Italy to July (Liberty)
A 1404	8C	5/27/18	" Italian Mission handles Magnesium purchases.
P 1341	2A	6/19/18	" 120,000 tons material for Italy badly needed
A 1585	8	6/21/18	" Steel cable for Caproni from Roebling & U.S. Steel Prod. Co. being shipped.
A 1621	LA	6/28/18	" 120,000 tons material referred to Shipping Board.
A 1655	LA	7/ 4/18	" What raw material is wanted for Italy?
P 1421	IB	7/ 6/18	" Are supplies to be issued to Air Forces in Italy.
P 1500	4A	7/23/18	" Tonnage referred to for Italy was miscellaneous.
A 1790	1	7/29/18	" 20,000 tons for Italy & no tonnage. Rec. wanted Rep. being sent to Rome re. tonnage.
X 30	6	8/27/18	" Cable financial requirements Italy to Jan. 1.
X 31	10	8/28/18	" Advise amount wanted for DMA in Italy.
S 99	7	9/ 7/18	" Negotiations being made with Italy to settle contracts and tonnage.
S 100	2A	9/ 7/18	" Estimate of funds needed for Italy to Jan. 1 based on Fiat and Caproni contracts.
X 66	7B	9/12/18	" Procure Fischer apparatus balloon as used by Italy with all accessories.
S 142	3A	9/16/18	" San Francisco contracts should read satisfactory contracts.
S 142	3E	9/16/18	" Will secure Italian Fischer balloon at once.
A 2085	19	10/22/18	" Urging delivery of 155 Liberties.
P 78	108-1	8/ 7/17	JAEGER Recommend make all places with Jaeger revolution indicator.

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P	509	3C	1/16/18	JARMAN Repeats demand for drawing.
A	1479	3	6/ 8/18	JENKINS Data on Jenkins night altitude indicator wanted.
P	1316	1B	6/16/18	" Jenkins night altitude indicator not used.
P	1460	8A	7/14/18	" 1 Jenkins altitude indicator shipped.
P	572	5A	2/ 5/18	JIGS Much time can be saved in assembly D.H. and Bristols by Jigs. Send drawings.
A	764	6	2/11/18	" Waldon now working in Jigs.
A	1347	2B	5/18/18	" Spare jigs will be made for Caproni.
P	464	4G	1/ -9/18	" Size wanted.
A	40	1	7/20/17	J N Cannot ship 24 JN parts without interfering with training program. Have out through orders for same.
SD	27	1	6/30/17	" Send 12 complete sets parts JN4 without engines on each two different boats.
P	86	13	8/ 8/17	" Rec. for training machines: 1 Curtiss JN
A	615	1	1/10/18	J N4S Decided not to ship
A	701	9	1/27/18	" Shipments for Nov. & Dec.
A	730	6	2/ 3/18	" Pilots receiving gun instruction from rear cockpit of JN until schools are ready.
A	822	3	2/22/18	" Would be only machine available for training if shipping all machines as made.
A	828	5	2/25/18	" Schedule of deliveries.
P	719	1F	3/12/18	" February deliveries wanted.
A	833	19	3/ 1/18	" Tonnage question being investigated for shipment of Curtis JN's.
A	933	1E	3/17/18	" Would situation be improved if JN4s were shipped for training in France
A	1055	1	4/ 7/18	J N Total deliveries to April 6
A	1065	1	4/ 9/18	" Bomb gears for completed
A	1080	3A	4/12/18	" Status of bomb gears.
A	1278	1	5/ 4/18	" Total deliveries thru April 27
A	1256	Con	5/ 8/18	" Production May 1 & forecast.
P	1232	8B	6/ 2/18	" Report of Hispano in JN wanted.
A	1486	Con	6/ 9/18	" Status of production & deliveries.
A	1504	1B	6/12/18	" 180 Hispano to be tried in Veight not in JN. Will this report be sufficient?
A	1696	3	7/11/18	" Status production & deliveries 6/30
A	1848	1	8/15/18	" " " " " 7/31
X	57	3	9/ 7/18	" " " " " 8/30
X	145	5	10/ 8/18	" " " " " 9/27
X	257	6	11/ 8/18	" " " " " 11/1
X	364	2	12/19/18	" " " " " 11/29
P	699	2A	3/ 9/18	JOINT ARMY AND NAVY Navy men should be separated AIRCRAFT COMMITTEE as they can not help. Approval wanted.
A	993	1A	3/29/18	" US Aircraft Board requests letter on activity of A&N Com. with view of continuing same with Army Personnel exclusively.

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P	424	5E	12/29/17	JOLY PONSOT VALLIER Service tests prove it a good plug. No laboratory test.
A	1423	1	5/30/18	" 1000 Ponsot spark plugs being sent for Liberty.
P	91	7	8/11/17	JUNIOR MILITARY AVIATOR Authority requested to examine and recommend for JMA and announce officers on flying duty.
A	112	1	8/18/17	" Authority above requested from War Dept.
A	121	12	8/23/17	" Authority above granted.
P	319	1A	11/27/17	" Recommend abolish increased pay for flyers and ranks of JMA, MA, etc.
A	378	7	11/ 8/17	" Wording of act which authorizes JMA and JMA.
P	1744	2C	10/ 3/18	" Pershing requests authority to act on recs. for JMA
CP	216	1	10/19/18	" Recommendations relative grade JMA and MA
A	2085	7	10/22/18	" Lt. J.A. Meissner rated as JMA Oct. 4
A	2215	10	11/18/18	" Authority granted CinC to name JMAs for distinguished service in action.
A	593	3	1/ 5/18	JUNKERS ENGINES Information wanted.
P	489	5	1/15/18	" French & English think existence of same improbable.
A	1735	5	8/18/18	KETTLES No Lye kettles. Make from sheeting.
P	1530	8A	7/29/18	" Will be made from white steel.
A	29	4	7/11/17	KITCHEN TRAILERS Submit all data relative kitchen trailers and trailers for Aero squadrons.
A	41		7/20/17	" Forward data on trailers and kitchens by cable.
SD	300	9	12/ 7/17	" Specifications trailers, kitchens, etc.
P	490	3B	1/11/18	KITCHEN TRAILERS Should accompany balloon companys.
A	701	16	1/27/18	" 3rd Squadron bringing kitchen trailers. More orders shipped.
A	524	9	12/18/17	" Coming with 8 balloon Co's
A	764	5	2/11/18	" Amounts of trucks ordered and estimate on delivery.
A	993	1	3/29/18	" Will buzzacott be suitable for Air Squadrons
P	756	3C	3/21/18	" Eclipse considered best kitchen.
A	1232	3A	5/ 4/18	" Lt. Church completing details for kitchens.
P	1047	1	5/ 3/18	" Recommend Eclipse trailer kitchen.

BINDER LETTER	CABLE NO.	P&R. NO.	DATE of CABLE	SUBJECT MATTER:
P	345	1	12/ 6/17	LABORERS: Should be sent to England at once.
A	672	6	1/23/18	" Half will leave 2/1/; remainder in 10 days.
A	509	1	12/13/17	" Now being organized.
A	730	5	2/ 3/18	" 1st Det. leaves about 3/15; others as soon as equipped.
P	601	2	2/13/18	" Error made. Correct number wanted; should be 4000
A	780	6	2/14/18	" C.S.O. recommends organize into twenty construction squadrons. Approval wanted.
P	631	2	2/21/18	" Those mentioned in 780-p-6 are additional to 1st request and should be sent in the form of 20 construction companies.
A	856	3	3/ 3/18	" Should they be sent as Engineers or Signal troops?
A	688	3-D	3/ 7/18	" Should be sent as Signal troops; Aviation Section.
A	933	1-A	3/17/18	" Will M.T. be included for?
A	1016	1-L	4/ 1/18	" 12 companies to have increased personnel and 27 new cos. to be organized. Placed on priority.
A	949	6	3/21/18	" 12 companies formed; now being completed.
P	841		4/ 3/18	" Motor transportation should be furnished for.
P	574	4-A	2/ 6/18	LANSER: Heavy loss of planes due to bullet holes in gas tank. Want non-leakable tank developed like Lanser-type.
P	739	5	3/17/18	" Lanser tanks now being given consideration.
P	1045	8-A	5/ 4/18	" Lanser best tank developed so far.
S	263	1	10/11/18	LATHES: Send 1 Reed Prentice lathe.
X	193	8	10/22/18	" High speed lathes ordered.
P	719	1-F	3/12/18	LAURANCE: Is contract being continued?
A	1256		5/ 8/18	" Con. production to May 1st and forecast.
A	1486		6/ 9/18	" " " " June 6 " "
A	1696	3	7/11/18	" Report of status of prod. & training program.
A	1848	1	8/15/18	" Forecast production for August & September.
X	57	3	9/ 7/18	" Status production & deliveries August 30th.
X	145	5	10/ 8/18	" Production status for month Sept. 27th.
X	257	6	11/ 8/18	" " " " " Nov. 1st.
A	833	16	3/ 1/18	LEAD: All delivered to port of embarkation.
P	442	5-H	1/ 4/18	LE BLOUST PAINT: Samples sent.
P	502	3-D	1/14/18	SELAND STANFORD UNIVERSITY: Report of propeller test wanted.
A	730	7	2/ 3/18	" " " " " Dr. Durand sailed with reports of propeller test made there.
S	2	1	8/10/18	LEMBROIER SETS: Supply prospects July 31st.
X	228	8	10/31/18	LENIX: How about Lenix drives for hydrogen compressors?
P	44	6	7/16/18	LENSES: Suggest you commandeered all German lenses in U.S. as they are very hard to obtain here.
A	204	4	9/23/18	" Get data on Cook Aviar lenses.
A	327	1	10/27/18	" How about Cook lenses.
		10		" Great difficulty obtaining lenses; get Para Mantois glass.
SD	255	2	11/12/17	" Recommendations types lenses wanted.
P	573	1-B		" Long focus lenses wanted; make effort to produce crown barium glass; French have none; information wanted on camera & lab. apparatus.
P	575	2-F	2/ 6/18	" Report received that Bausch & Lomb have solved heavy crown barium problem; information wanted.
A	771	6	2/13/18	" Barium crown glass not available; schedule of shipments for Bausch & Lomb lenses. Requirements for long focal lenses wanted.
P	620	1	2/19/18	" French behind on production; data given on amount and kinds of cameras wanted.
A	855	4-F	3/ 3/18	" Data on sizes which are being sent.

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P	691	7-E	3/ 7/18	LENSES: Tardieu cables that U.S. can produce lenses; French unwilling to give up lenses in view of this; If Bausch & Lomb making lenses from American or imported stock?
P	700	5-A	3/10/18	" Contradictory information causing trouble. Facts and specifications of lenses wanted.
A	929	3-A	3/15/18	" No dense Barium glass available. Some light barium glass made by Bausch & Lomb. Not enough to meet requirements. Lens situation taken up by French Mission.
P	764	5	3/22/18	" Lenses wanted for De Ram cameras.
A	1052	1	4/ 7/18	" Lenses ordered in 764-8 will be shipped.
P	882	2-D	4/10/18	" Long focal lenses wanted.
A	1175	1-B	4/25/18	" Lenses to be sent. Can 50 c.c. lenses be used until 13x18 are ready. Being made by Polmer & Schwing.
P	1067	1-B	5/ 8/18	" Lenses as wanted. No per squadron.
P	1102	2	5/13/18	" Allotment of cameras and lenses. Major Cousins, Capt Proctor & Capt. Gordon bringing reports.
P	1165	2-E	5/22/18	" Status of DeRam cameras & lenses wanted. Lenses from French will be mounted here on British cones.
A	1699	7-C	7/11/18	" How many lenses received?
P	1558	4-B	8/ 5/18	" Can U.S. furnish 500 negative lenses for schools?
A	1831	6-C	8/10/18	" Can furnish 500 negative lenses.
S	2	1	8/10/18	" Supply prospects July 31st.
X	10	14-A	8/17/18	" 60 lenses 13 to 24 focus shipped June 29th
S	28	5	8/19/18	" Send 500 negative lenses.
S	64	7-C	8/30/18	" Are mirrors available for photo. obliquely.
P	146	1	9/ 7/17	LEPERE: Can send experts Lepere and Demarnier.
P	163	1-11	9/16/17	" Capt. LePere & Dr. Hispano very important men. Serious sacrifice to send them U. S.
SD	192		10/ 4/17	" Act immediately recommendation to send Capt. LePere and Hispano.
A	286	3	10/15/17	" Authority to employ Lepere, Demarnier & Expany, and compensation allowed.
A	336	1	10/29/17	" LePere & Demarnier salary not to exceed \$10,000 per a
SD	218	1	10/22/17	" LePere & Demarnier make more than \$10,000 here; may come if bonus offered for designs
P	1395	3-D	6/29/18	" French and English obtained results of test on new LePere Liberty plane to be used.
A	1672	6	18	" Test figures.
P	1494	5-B	7/22/18	" Ship 1 LePere Liberty to Paris for test.
A	1746	5	7/19/18	" Built for cannon fighter, semi automatic cannon and Puteaux full automatic not yet successful.
A	1776	9	7/25/18	" LePere plane experimental yet.
X	5	8	8/14/18	" Cannot send 3 LePere, but can send 4th and 5th in about two weeks without testing. Suggest Lt. Demarir accompany shipment.
P	1564	5	8/ 5/18	" Is U.S. experimenting with Liberty 12 in LePere; request sample.
S	47	4	8/25/18	" Send 2 Lepere with Lt. Demarier for test.
X	24	8	8/24/18	" Report on flying test LePere with load.
S	141	4	9/16/18	" Send 2 planes without waiting for motor.
X	75	2	9/14/18	" 2 LePeres will be shipped 9/17/ with Lt. Lyon Hermier.
X	104	10	9/25/18	" 2 LePeres sent 9/24/ with DeMarnier.
S	187	3	9/27/18	" What is status of 2000 Bugatti being built by Duesenberg & LePere for same?

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X	112	2	9/26/18	LEPERE: Does AEF encourage development LePere with Liberty? Is loss in maneuvering made up by gain in climbing?
S	211	6-A	10/ 2/18	" Hold orders for 3000 until AEF sanctions it.
S	228	1-E	10/ 5/18	" Single place fighter to be built around Liberty 12 being studied.
X	143	8	10/ 8/18	" Bugatti passed successful 50 hr. test & is now being installed in LePere.
X	145	5	10/ 8/18	" Status production September 27th.
C-X	21	2	9/22/18	" 2 LePeres should arrive 10/1; send report on criticisms.
A	2041	9	10/11/18	" LePere was approved for production in U.S. after test. Must have definite procedure if AEF approval is needed also.
P	1818	5	10/20/18	" LePere must be approved here; ready to test.
X	207	6	10/25/18	" Orders placed for 3500 LePeres with Liberty 12. List of changes; send recommendations.
S	374	6	10/30/18	" 2 LePeres received; not yet assembled.
S	393	1-A	11/ 2/18	" LePere ready to fly Nov. 1 at front; send Bristol with Hispano & Liberty 8 for test at front.
S	395	4	11/ 2/18	" No complaints from pilots on Marlin; difficulties at front due to unfamiliarity.
X	257	6	11/ 8/18	" Production status November 1st.
S	434	6-C	11/ 9/18	" Send drawings of all changes made in LePere
X	274	8	11/14/18	" LePere with Bugatti and Baldwin cannon will not be sent.
S	501	3-A	11/25/18	" Make experiment on USD9-A with 37 mm. cannon.
S	508	3-A	11/26/18	" LePere tests will finish 30 days. Should DeMarnier return?
X	332	2	12/ 4/18	" Release DeMarnier when LePere tests finished.
X	364	2	12/ 9/18	" Production status Nov. 29; Est. to Dec. 30th.
S	694	6-A	12/ 6/18	" LePere tests concluded; French wish to test. Shall we sell them if they wish to buy?
X	406	9	1/ 7/18	" Sell test planes to French; \$15,000 each.
A	6		6/ /17	LERHONE: Have given exclusive right to American rep. but accept American offer on conditions.
A	7		6/27/17	" Rep. English Co. has made propositions to Gen. Vehicle Co. re: 110 LeRhone Eng.
A	16		7/ 4/17	" Desirable close LeRhone on basis set forth by English firm.
A	40	7	7/20/17	" Holding Gen. Vehicles & Brewster for mfg. combat rotary engines.
A	48	1	7/23/17	" Understand can proceed with manufacture.
SD	14	1	6/28/17	" Important arrange production LeRhone 80 for training; will send samples, etc.
SD	15	1	6/28/17	" LeRhone 110 unsatisfactory, altho much better than Clerget.
SD	30	1	7/ 1/17	" Will send 1 LeRhone 80 in about 10 days.
P	37	1	7/11/17	" Recommend production 80 LeRhone & 150 LeRhone.
P	46	7	7/16/17	" Build LeRhone 80 for advance training.
A	54	7	7/25/17	" Why not use Gnome 100 instead of LeRhone for training.
A	75	1-7	8/ 5/17	" Prefer to confine types to Gnome, Hispano, Rolls-Royce and LeRhone; all dealings for mfg. rights must be between governments.
P	86	1	8/ 8/17	" 100 Gnome inferior to 80 LeRhone; Nieuport & Bristol take 80 LeRhone.
		13		Recommendations for training machines; 1, Curtiss JN; 2, Bristol with LeRhone; 3, Nieuport with LeRhone.

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P	88	1	8/39/17	LERHONE: U.S. to pay French for mfg. rights on types produced only. Agree to produce LeRhone.
P	93	5	8/12/17	" Recommendations revised Joint Board program.
P	106	122	8/17/17	" Can't U.S. furnish 1000 stampings LeRhone.
P	115	2	8/20/17	" If sent to U. S. will subtract from our program here
P	139	17-4	9/ 5/17	" 500 LeRhones ordered from French for training here US must supply material & stamping
SD	152		9/10/17	" When will material for 1000 LeRhones arrive?
SD	154		9/10/17	" Gnome says no firm in US has rights to manufacture Gnome or Rhone. Will send engineers if US deals direct with Gnome.
A	198	1	9/21/17	" Deliveries forgings begin 30 days.
A	209	1-5	9/23/18	" Status program and production.
A	209	8	9/23/17	" Delay due error in drawings; redrafting.
		9		" Can begin ship 1000 forgings November 1st. Who pays for them?
P	163	5	9/16/17	" British will supply tonnage for raw materials for 80 LeRhone.
P	180	1	9/24/17	" British can furnish crank cases if US can furnish alloys.
P	187	1	9/27/17	" Ship 500 stampings England, 500 to AEF.
SD	185		10/ 1/17	" British offer supply 500 crankshafts will not help Desire 1000 from US
SD	191	2	10/ 4/17	" Have requested England furnish tonnage 80 LeRhone forgings; cable boats.
A	249	5-B	10/ 7/17	" Contracts made with Westinghouse to manufacture. Will ship November and December.
A	369	4	11/ 6/17	" MacPhearson, E. S. wanted by Westinghouse to assist in manufacture.
SD	210		10/17/17	" Recommend increase rotary and expand training Gnome and LeRhone.
SD	240	1	11/ 5/17	" Will 1000 sets include magnetos and bearings?
SD	256	6	11/12/17	" Cable names and address shippers LeRhone so that British can provide tonnage.
SD	262	3	11/15/17	" More engineers sent assist Westinghouse.
SD	267	4	11/17/17	" Freidham leaving all drawings LeRhone & Gnome.
SD	273	1	11/20/17	" Building program LeRhone & Gnome.
SD	282	6	11/26/17	" English need information who will supply material for LeRhone. Send firm addresses.
A	387		11/13/17	" Must make decision on rotary engines. Program calls for Spad & Gnome & LeRhone.
A	403	7	11/17/17	" Production forgings stopped. Guillot & Hall checking metal specifications.
P	346	3	12/ 6/17	" Recommend school to train mechanics.
P	375	1	12/10/17	" Disagreement with British.
P	535	1-G	1/21/18	" Directions for shipping; forgings.
P	404	7-B	12/13/17	" Is US supplying ball bearings & magnetos fro.
A	523	2	1/21/18	" Shipments Dec. & Jan. request information.
A	478	2	1/12/18	" Training program.
A	481	1	1/13/18	" 1st shipment 100 tons in 10 days.
A	511	1	1/15/18	" Used for training.
A	523	3	1/21/18	" Forgings 1000 raw materials for rough bore crank case forgings; material list, etc. Magnetos distributors and carburetors.
A	540	2	12/21/17	" McCormick disclaims knowledge of order 5000 forging
P	450	1-F	1/ 5/18	" Directions for shipment.
P	450	1-H	1/ 5/18	" Eighty (80) available.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	481	7	1/13/18	LERHONE ENGINES: Have enough ignition accessories.
A	646	2	1/18/18	" " Awaiting instruction before purchasing material.
A	645	10	1/18/18	" " Data on production & shipment; United Switch & Signal Co has contract.
A	688	5	1/26/18	" " Shipping instructions, wanted for forgings
A	771	2-B	1/13/18	" " What has been done with 1000 LeRhone forgings urgently needed by British. Report on ball bearing requested as Le Rhone is out of material.
P	749	5-D	3/20/18	" " Status of foreign orders.
A	791	6	2/16/18	LERHONE: 90% LeRhone forgings delivered to British agent. Balance now.
A	828	3	2/25/18	" What grades materials, irons, copper, zinc, etc. wanted. Oil pumps ready & can be shipped.
P	691	7-A	3/ 7/18	" What has been done with LeRhone forgings?
A	909	6	3/14/18	" Status & location of 1000 sets LeRhone forgings.
A	933	1-B	3/17/18	" Lists mention A-791- 8 refer LeR. forgings.
A	970	11	3/23/18	" More data on status of LeR. forgings shipment
P	808	1-E	3/29/18	" 90% forgings floated. Request inst. as to who will pay for these forgings.
P	830	1-C	4/ 1/18	" Schedule of those ordered from foreign govts. As soon as contract with French is completed inst. will be issued for payment of LeRhone forgings and other material.
A	1041	2	4/ 5/18	" All LeRhone forgings floated except conn. rods & bearings; oil pump delivery 60 da.
P	920	5-E	4/15/18	" Number on hand April 1st.
A	1062	1-E	4/ 8/18	" 2500, 80 h.p. LeR. engines in production; does AEF want any of them.
P	869	6-B	4/ 8/18	" Statement foreign deliveries to 3/28/18
A	1080	1-C	4/12/18	" Comp. of Castor Oil req. from number.
P	812	2-B	3/30/18	" G-R Co. states paymt. of \$100,000 authorized by US Is this correct & when were engines delivered?
A	1094	1-G	4/14/18	" LeR. engine received, contract let for 2500 & payment authorized subject to AEF.
P	973	1-A	4/22/18	" LeR can be used; 1000 wanted; how many can be furnished.
P	989	7	4/25/18	" Send necess. data for heat treating forgings
A	1204	4-C	4/30/18	" First 5 LeR. complete anticipated production sched
A	1238	1-F	5/ 4/18	" Specifications for heat treating LeR being sent.
A	1256		5/ 8/18	" Con. production to May 1st and forecast.
A	1260	1-A	5/ 8/18	" US&S Co. making LeR. engine; can French or Engl. use them as Co. should be kept in production.
P	1222	2-B	5/31/18	" Foreign deliveries to May 1st.
A	1273	5-F	4/ 9/18	" Specifications for heat treating LeR. castings sent by Lt. John F. Hartney
A	1314	4-H	5/16/18	" Instructions wanted on who is to pay for LeR. forgings.
P	1131	4-K	5/17/18	" Remaining forgings left 5/4- all except 2 tons
P	1168	1-H	5/24/18	" Push prod. LeR. at Union S&S as French & English can use them; how many can be floated?
P	1203	1-E	5/28/18	" Tonnage priority for June.
P	1211	2-A	5/29/18	" Method of payment for LeR. forgings
P		1EQ	5/29/18	" Priority schedule for July and August.

(L) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1467	2-A	6/ 6/18	LE RHONE: US&S Co. LeR. production delayed; Semit steel to be used; 1 type rotary wanted.
A	1479	3-E	6/ 8/18	" What portion of LeR. to be paid by England?
A	1486		6/ 9/18	" Con. production to June 6th and forecast.
P	1325	6-B	6/17/18	" Can use 200 LeR. per month until pilots come to AEF fully trained.
P	1326	7-A	6/17/18	" Method of paying for LeR. & allocation.
P	1366	1-E	6/24/18	" Priority list for July.
A	1607	10-A	6/25/18	" Can ship only 1/2 production for training
A	1667	4	7/ 5/18	" No. engines made surplus by cancelling Nieupoorts.
P	1438	6-A	7/ 9/18	" 1250 LeR. 80 sufficient for AEF; advise shipments
A	1696	3	7/11/18	" Report of status of prod. & training program.
A	1735	4	7/18/18	" Report wanted on life of LeR. in Neuport 15 meter training machine.
		10-A		" Schedule of LeR. shipments; do Engl&French want any?
P	1507	1-D	7/25/18	" August tonnage priority.
A	1799	12	7/31/18	" Send copy of agreement to pay \$100,000 for permission to manufacture Gnome LeRhone.
P	1539	8	7/31/18	" Data on overhauls.
A	1812	13-A	8/ 5/18	" Estimate of floatations for September.
A	1848	1	8/15/18	" Forecast of production for August & September.
X	10	14-B	8/17/18	" Changes in estimate for September shipments.
S	21	4	8/18/18	" French desire to see LeR. tested before placing order. Also British.
S	25	1	8/19/18	" Tonnage priority for September.
X	57	3	9/ 7/18	" Status production & delivery August 30th.
X	60	5	9/ 9/18	" 2 complete sets drawings of Bristol Scout with 80 LeR. wanted.
S	125	1	9/12/18	" Priority schedule for October.
S	155	5-A	9/20/18	" London will sendprints Bristol arranged for LeR.
X	83	3	9/18/18	" Estimate to be floated November.
S	171	2-B	9/23/18	" No agreement made in France for \$100,000 payment for right to manufacture LeR.
X	104	16	9/25/18	" Oct. availability changed.
C-X	11	6	9/10/18	" Estimate of A. S. tonnage available October.
X	145	5	10/ 8/18	" Status production September 27th.
X	158	16	10/11/18	" Estimate flotation for November.
S	271	1-F	10/12/18	" Tonnage allotment for November.
S	273	9-A	10/12/18	" Cannot secure more from LeR. from French; 150 per month wanted from U. S.
X	186	2	10/19/18	" Estimated shipments August to October.
S	415	3	11/ 6/18	" Arriving without log books; send sufficient log books to cover shipments.
X	254	1	11/ 7/18	" Estimated flotation air service for November
X	257	6	11/ 8/18	" Production status November 1st.
X	274	2	11/14/18	" 350 log books being sent for LeR.
S	508	3-C	11/26/18	" LeR. request another \$100,000 for rights on Swiss Bell factori's 120 HP construction!
X	340	3-C	12/ 7/18	" 110 hp LeR. not produced therefore no money due for rights; advise amount paid LeR people if any
S	621	5	12/14/18	" AEF paid LER. \$100,000 for rights first engines, - none paid since; send copy of agreements between CSO & French Commiss.
S	83	2	12/10	" Status of French indebtedness for.
X	364	2	12/19/18	" Production status Nov. 29; est. to Dec. 30th.
X	365	2-A	12/19/18	" Copy of agreement to Mfg. LeR. with French Comm.
S	677	4	12/23/18	" No. on hand AEF. Are any wanted in US?
X	405	3	1/ 7/18	" Engines to be shipped to US.

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BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
SD	10	1	6/28/17	LEWIS: Is used for firing outside propeller disc.
SD	30	1	7/ 1/17	Scarf mount for Lewis gun will be sent in about 10 days.
P	37	13	7/11/17	" Must have as many Lewis & Vickers as possible
P	41	2	7/14/17	" 2 Vickers needed to 1 Lewis; scarf mount best Lewis.
P	44	9	7/16/17	" Will use 3 unsynchronized on each plane.
A	80	1	8/ 6/17	" Estimated production program.
P	100	1-1	8/14/17	" Aviation requirements guns & ammunition.
P	123	4	8/24/17	" Estimated needs Lewis & Vickers.
A	178	2	9/16/17	" Production to June 1918.
SD	183		9/29/17	" Send summary dates delivery; how about traps.
A	266	3	10/12/17	" All training using .303 in Lewis.
A	282	1	10/14/17	" 47 round Lewis now, 97 round in January
A	315	6	10/25/17	" Is Scarff mount latest for Lewis. Send samples.
SD	246	1	11/ 6/17	" Either Tourelle or Scarff mount O.K.
		2		" Send drawings 47-round Lewis.
P	276	2-A	11/ 8/17	" Send drawings all guns and parts.
		2-D		" Requirements for Air Service by months.
SD	293	1	12/ 3/17	" British desire 5 Marlin guns.
		2		" Italy wants 1000 Lewis.
A	448	4	11/28/17	" Sack nets ordered for Lewis.
A	469	1	12/ 3/17	" Schedule of deliveries to June.
A	476	2	12/ 4/17	" 700 available Jan. 2000 Feb. Could mobile type gun be used?
P	410	8	12/23/17	LEWIS GUN CAMERA: F.20 has been shipped
P	382	2	1/15/17	LEWIS MACHINE GUNS Shipment wanted.
P	418	5-C	1/27/17	" " " Order placed for 30,000, 97 round magazines
A	469	1-3	1/ 3/17	" Deliveries in US, of Vickers, Lewis & Marlin Aircraft Machine-guns.
A	476	2	1/ 4/17	" 750 expected in Jan. 2000 in Feb. Would mobile army type Lewis gun be useful.
A	486	5	12/ 6/17	" Aviation type gas recoil check French type check
A	546	1	12/28/17	" Advise proclamation of Lewis in latest French type.
P	568	2	2/ 3/18	" How many Lewis shipped, when will shipment begin, how many? Our estimate January to June.
A	730	6	2/ 3/18	" Pilots receiving gun instruction from rear cockpits of JN until schools are open.
P	502	3	1/14/18	" Data on shipments sights, and windvanes wanted.
A	675	5	1/24/18	" Will be shipped. information wanted on no. required.
A	762	1	2/11/18	" None shipped yet; 150 inspected & coming.
P	589	5	2/11/18	" 1 month required to alter; 222 received.
P	631	2-A	2/21/18	" Rear sight base should be left on Lewis guns
A	833	31	3/ 1/18	" Lewis gun frames omitted from list of orders of foreign plans; should they be supplied?
A	912	1	3/14/18	" Estimated deliveries; none shipped; 150 at part.
P	739	5-A	3/17/18	" To be supplied on foreign built planes.
P	741	4-B	3/17/18	" 800 Spade grips for Lewis guns wanted.
A	1006	1-B	3/30/18	" Spade grips for Lewis will be shipped.
A	1016	1-K	4/ 1/18	" Should supports be furnished for 1 or 2 Lewis guns on foreign planes.
A	1031	6-B	4/ 4/18	" Lewis instruction books from Savago being printed.
A	1053	1-E	4/ 7/18	" 3450 being sent, 1/2 in April; 1/2 in May.
A	1067	2-E	4/ 9/18	" 100,000, 47 round links available.
A	1080	1-M	4/12/18	" Being sent as flexible gun; shipment status.
A	1108	3-A	4/16/18	" Lewis meeting requirements for free gun.
A	1135	10	4/18/18	" Shipments week of April 15th.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1142	1-A	4/21/18	LEWIS MACHINE GUNS 1700 freighted.
A	1196	2-C	4/27/18	" " 650 Lewis floated April 23rd.
P	840	5-B	4/ 2/18	" " Lewis guns to be issued to searchlight units.
A	1214	2-C	5/ 2/18	" " Floatations for week of April 27th.
A	1254	1-B	5/ 6/18	" " Shipments for April.
A	1261	6-B	6/ 7/18	" " Report wanted on serviceability.
A	1265	1-B	5/ 8/18	" " 700 freighted, 412 docked week of May 4th.
A	1273	5-A	5/ 9/18	" " None of those shipped have been worked in. In future all will be worked in.
A	1314	4	5/16/18	" " Shipments for week May 11th.
A	1363	11-B	5/21/18	" " Shipments week May 18th.
A	1399	1-H	5/26/18	" " All are fired 300 rounds before shipping.
A	1413	1	5/30/18	" " Shipments for week of May 25th.
P	1209	4	5/29/18	" " Send samples of reported new counter for Lewis gun and synchronizing gear.
A	1423	1-H	5/30/18	" " Will be used on H. P.
A	1450	6	6/ 4/18	" " Shipments week of June 1st.
A	1458	1	6/ 7/18	" " Indicator for Lewis developed.
P	1268	3	6/ 8/18	" " Details of working in and testing guns.
A	1479	3-D	6/ 8/18	" " Containers for Lewis being sent.
A	1497	11-A	6/11/18	" " Shipment for week of June 8th.
A	1504	1-F	6/12/18	" " Data on how they are "run through".
A	1515	8	6/13/18	" " Spares will be expedited.
A	1548	8	6/17/18	" " Shipments week June 15th.
P	1350	1-E	6/21/18	" " Aluminum is replacement 30,000 Lewis magazines.
A	1573	3-A	6/20/18	" " Steps taken to remedy armament on DH-4
P	1363	10	6/24/18	" " French fire Lewis at 850 to 1000 rounds P.M.
A	1602	9	6/25/18	" " Shipments week of June 22nd.
A	1617	10	6/27/18	" " Improvements being made to correct defects.
A	1653	2	7/ 3/18	" " Shipments in June.
A	1662	1-4	7/ 4/18	" " Answering defects in DH planes.
P	1435	1	7/ 9/18	" " Turret for Lewis being sent.
P	1438	7	7/ 9/18	" " Steel containers for 97 round Lewis satisfactory.
A	1692	11-A	7/11/18	" " Shipments for week July 6th.
A	1696	1	7/11/18	" " Do orders apply to 1350-S 1-C?
P	1479	4	7/18/18	" " Lewis magazines has content indicator.
A	1733	9	7/18/18	" " Machine gun situation in the United States
A	1762	15	7/23/18	" " Shipments week July 20th.
P	1505	6	7/24/18	" " Mark with purple band for aircraft.
A	1774	1-J	7/25/18	" " New Lewis magazine content indicator sample 2 weeks
P	1534	30	7/29/18	" " Ship sights, Lewis yokes, Bowden cable, Spad triggers, No. cc for Marlins.
A	1794	8	7/30/18	" " Shipments for week July 27th.
A	1809	2	8/ 3/18	" " 75 Marlin and Lewis kits ready.
A	1812	13	8/ 5/18	" " Will ship 2500 Lewis gun yokes during Oct.
A	1816	7-F	8/ 7/18	" " Shipments for week of August 3rd.
A	1839	7-H		" " Shall provisions for heating be discontinued.
A	1839	6	8/12/18	" " Sending experts to investigate difficulties. with
S	1	2	8/ 9/18	" " Send 1000 heaters for. When can they be sent
X	3	2	8/14/18	" " Shipments for week August 10th.
		4		" " Special outlays for Lewis; will send working drawings of Lewis and Marlin.
S	17	5	8/16/18	" " Heaters should be provided for.
A	1835	1-G	8/12/18	" " Special Lewis head gauges will be sent. Lewis now very satisfactory; request serial numbers of defective guns.
X	6	1	8/16/18	" " 1000 heaters for Lewis being ordered.
X	10	3	8/17/18	" " Floatations from N. Y. and Port Royal; none on hand.

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BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
S	20	7-A	8/18/18	<u>LEWIS MACH. GUNS:</u> Shipments should be reported by cable.
S	21	3	8/18/18	700 in service, not enough.
S	23	1	8/19/18	" " " Total received and revised requirements.
S	28	2	8/19/18	" " " Cannot catch up with program until 1/1
S	29	2-P	8/19/18	" " " Rush twin mounts for Lewis.
S	30	2	8/20/18	" " " Lewis magazines on hand & requirmt. to Jan. 1.
X	14	1-C	8/20/18	" " " Supply heaters for Lewis, Marlin & Vickers.
X	25	1-K	8/24/18	" " " See W. H. Cobb of Savage Arms re: Lewis diffoelts.
X	23	6	8/24/18	" " " Data on orders and deliveries.
X	27	2	8/27/18	" " " All guns shipped Aviation Supply Depot; none mounted on planes. Data re: trigger, motors, etc
X	28	6-A	8/26/18	" " " Complete list of armament on HP planes.
X	30	7	8/27/18	" " " Heaters will be sent.
S	35	3	8/29/18	" " " 15,000 ring sights ordered; stems & rings shipped with Lewis.
X	45	3	9/ 4/18	" " " Shipments for week August 24th.
X	61	6	9/10/18	" " " How many magazines per Lewis gun?
S	119	4-K	9/11/18	" " " Shipments for week August 31st.
X	62	1-H	9/11/18	" " " Shipments for week September 7th.
X	69	4-G	9/13/18	" " " Send 20 extras with base magazines.
X	85	5	9/19/18	" " " Shipment gauges for Marlin and Lewis.
S	201	1	9/30/18	" " " 162 heaters ordered for Marlin, Vickers & Lewis.
C-X	11	6	9/10/18	" " " Estimated factory production Browning, Marlin, Vickers, Lewis, August to March.
S	229	2	10/ 5/18	" " " Ship 100 heaters for Marlin, Vickers and Lewis.
S	235	2	10/ 7/18	" " " Estimate of A. S. tonnage available October
X	158	10	10/11/18	" " " Observers have no trouble with twin Lewis; no singles now used.
S	310	2	10/18/18	" " " Discontinue shipping spare barrels.
X	194	13	10/22/18	" " " 18 volt heaters to have priority over others
X	222	3	10/30/18	" " " Send 1000 16 volt heaters for Lewis.
X	228	5	10/31/18	" " " Will stop shipment extra barrels.
X	235	6	11/ 2/18	" " " Lewis single & double yokes now in production will single stems be needed now?
A	6		6/19/17	<u>LETORT:</u> Send 1 LeTort plane.
P	41	3	7/14/17	Your info. on LeTort inaccurate; not yet included in shipment but can send if found desirable.
P	86	9	8/ 8/18	" " " Give it no further consideration.
A	1174	1-G	4/25/18	<u>LEWIS SPRING & AXLE CO.:</u> Constructing hand starters for Liberty engines.
A	10	2	7/11/17	<u>LIBERTY:</u> Cadillac building Liberty eight
A	16	1	7/ 4/17	" " " U. S. 8 will be running July 25th. Would like confirmation of sizes of US-8 and 12 being right, also proportions of each.
A	47	4	7/23/17	" " " Cadillac not building US-8.
P	37	7	7/11/17	" " " Will proceed in proportions 8's and 12's as you suggest.
P	41	6	7/14/18	" " " Will ship 6 US engines to England
				" " " 12 cyl. right size for long distance bombing & can be used with IH-4 & Breguet 8 cyl. not sure to be of any value.
				" " " 8 cyl. can be used seaplanes & Corps d'Armee; safe to manufacture some but not so many as 12 cyl. Proportion 2 to 1.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	44	2	7/16/17	LIBERTY: Have promised 6 US for test in England.
P	3	2-6 5	9/12/17	" Send 6 US engines England; 1 to France with drawgs. " Urgent need high horsepower engine, but Liberty has not enough power.
A	137		8/28/17	" Report of first test run 50 hours
A	172	4-3	9/14/17	" Clark recommends production Caproni & HP parts for assembly in Italy and Ireland, using Liberty motors.
A	209	1	9/23/17	" Status program and production.
P	192	1	9/30/17	" Figures comparative strength Bugatti, Liberty & Rolls Royce.
SD	185		10/ 1/17	" Send reports & data US-12 and US-8, consumption oil and water, etc.
A	254	5	10/ 8/17	" Weight and horsepower, fuel and oil.
A	278	1	10/15/17	" Revision of programs & estimates.
A	327	3	10/27/17	" Flown in Curtiss Boat " Results of test of Liberty 12
A	340	2	10/30/17	" As soon as production starts will deliver British.
SD	211	2	10/18/17	" Have Waldon bring all data and spark plugs 7 parts
SD	228		10/26/17	" When will 6 Liberties be delivered England?
SD	238	1	11/ 3/17	" At what h.p. was Liberty tested.
SD	239	1	11/ 3/17	" Caproni wants 9 Liberties to adept to Caproni.
SD	258	1	11/13/17	" British ask for drawings of Liberty 12 & 8
SD	281	1	11/24/17	" When will 1st DH & Liberty come. Advise results test & shipping cases.
SD	293	3	12/ 3/17	" Italy wants 3000 Liberties with parts. Cable possibilities to supply.
SD	294	1	12/4/17	" Build regardless of cost and start test, -all kinds, acrobatics in air; of 1st 50, send 25 France for tests.
SD	297	1	12/ 5/17	" Send reports of tests; do not approve Liberty use for tanks; use Renault of Fiat.
SD	300	1	12/ 7/17	" Cable water required, oil & size gas containers. Get 1 Liberty to England before Dec. 25-Gen. Livingst
A	373	5	11/ 7/17	" Expect 100 Liberties in December.
A	378	3	11/ 8/17	" Horsepower at which run during test.
A	421	4	11/23/17	" Will send 4 Liberties to Italy for Caproni in Dec.
P	375	1	12/10/17	" England desires 3000
P	382	2	12/15/17	" Sample wanted in England. Expedite shipment.
P	442	5-E	1/ 4/18	" When shipped?
P	442	5-I	1/ 4/18	" To be shipped with HC Pistons.
P	450	1-A	1/ 5/18	" Drawings & information wanted.
P	450	1-D	1/ 5/18	" Sample requested.
P	481	7-B	1/ 9/18	" Shipping destination wanted.
P	492	3-B	1/15/18	" Drawings wanted of gears.
P	509	3-C	1/16/18	" Repeats demand for drawings of gears; fuel consumpt- ion wanted.
A	585	3	1/ 1/18	" 3 mechanics leave United States
A	593	2	1/ 5/18	" Must be ordered through Bolling.
A	618	2	1/11/18	" 3 samples not shipped; will ship January 10th.
A	618	10	1/11/18	" Data on production estimate.
A	618	9	1/11/18	" Data on its power.
A	646	1	1/18/18	" Hoyt bring data, spark plugs and propellers.
A	652	6	1/19/18	" Instruction books ready soon.
A	652	8	1/19/18	" Experts & samples will leave.
A	652	10	1/19/18	" Hut details mailed.
A	655	1	1/20/18	" Rotates clockwise.
P	627	1-F	1/23/18	" British notified of available supply, March, Apr, May

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	532	3-A	1/25/18	LIBERTY ENGINES: Sir Wm. Weir stated desire to place orders for Liberty; should be taken up in Washington.
A	675	4	1/24/18	" " Data on fuel consumption & rotation synchronizing drawings will be mailed.
A	683	4	1/25/18	" Details on propeller hub now in transit.
A	701	9	1/27/18	" Total shipments for November and December.
P	403	5-D	1/21/18	" Can they be used for Breguet instead of Renault
P	410	8-H	12/23/17	" Bugatti has a cannon; can it be done with Liberty
P	422	1-D	12/21/17	" Schedule of deliveries to Italy.
A	478	2	12/4/17	" Training program.
A	481	2	12/7/17	" Shipped in three weeks.
A	495	3	12/10/17	" Tests.
A	495	4	12/10/17	" Not for tanks.
A	523	4	12/17/17	" Allotments for tanks.
A	523	7	12/10/17	" Expect to ship in January.
A	523	8	12/10/17	" 3000 for Italy shipment not later than June
A	530	4	12/20/17	" Engine & radiator on DH-4 contain 13 gal. water tanks must carry oil & gasoline pressure 2 lbs
A	549	4	12/21/17	" Report on progress.
A	570	3	12/29/17	" Will ship 300 Liberty for England.
P	553	1-B	1/30/18	" Hoyt for Liberty engines.
A	716	2	1/30/18	" Shipping destination of 1st three wanted
		5		" Has England placed order for 3300 Liberties? Details wanted.
P	560	5-B	2/1/18	" Four Liberties being shipped from Dayton, Ohio.
P	567	7	2/3/18	" Has handbook been proposed 2,000 copies wanted.
P	568	2-A	2/2/18	" England has not placed order for Liberty but expressed a desire to order.
A	719	3	1/31/18	" Important to know date & destination of 1st 3 Liberties shipped.
A	721	1	2/3/18	" Can be furnished on schedule exception of March Production held by strikes and weather.
A	730	9	2/3/18	" Drawings of synchronizing mechanism of Liberty coming by Lt. Hall.
		10		" No attention to be paid to derogatory reports; Liberty has been tested thoroughly; for complete data on tests see below: A378 3; A495 3; A549 4; A675 4; Tests: A618 9; A254 6; A652 1 Production has started at Packard plant; some delivered to Navy & some now in plane factories. DH- R-4, Bristols, Production delayed by cold weather and cold famine
				" Destination of sample 3 Lib. is "W" Capt. Graves, Murray, Munson & Morris in charge; must not let engines out of their possession except by order of Bolling & Gorrel.
P	580	2-C	2/7/18	" In order to compare with machines at front data on performances of Lib. at different heights requested in DH & Bristols
P	592	6	2/11/18	" What is exact state of production Bugatti; info wanted Bugatti engine with Lib. cyl/
P	610	1-C	2/16/18	" Will 50% cut effect deliveries to Italy?
P	614	8	2/18/18	" Data of all kinds wanted on production, tests & shipments.
A	796	1	2/16/18	" Handbook on Lib. engine will be sent.
P	633	2-I	2/21/18	" Ship 6 Lib. engines for Tardieu as soon as possible and wire data.
		2		" What is program for instructing mechanics on.

(L) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER
A	817	4	2/22/18	LIBERTY ENGINES: Books being changed; ready March 10th.
A	822	1	2/22/18	" Arrangements being made in U. S. for Eng. purchase
		6		" List of cables of info. ^{WB}
		7		" Has been flown in DH eight weeks. Will be flown in Bristol. Will be tested at Lake Charles
		8		" Only 3 shipped to date.
		9		" Low (2) compression engines will be shipped
		10		" Production Dec. & Jan. Packard Plant; Lincoln plant now producing. Ford, Harmon, G. M. soon.
A	828	1	2/24/18	" No definite delivery can be promised to England
		5		" Schedule of deliveries (US-12)
P	657	6-E	3/ 1/18	" Info. wanted on fuel consumption & HP at various altitudes under full throttle.
A	855	4-A	3/ 3/18	" 2 high & 2 low compression engines will be shipped England; shipment for French in two weeks.
		4-E		" Negotiations with Italians for Liberties.
A	877	8	3/ 8/18	" 100 men ready to sail June 1st trained on Lib. 3 men now in France, 4 to be shipped England; all Lib. for next 60 days needed for planes.
P	691	70B	3/ 7/18	" Arrangements made to test in Paris; results will be sent U. S.
P	693	1-C	3/ 8/18	" Data on DH equipped with Lib., with new wings.
A	882	4-C	3/ 9/18	" 3 shipped have old oil system. Should not be tested on ground for above 350 hp.
P	706	1-A	3/11/18	" 20 propeller hubs wanted at once.
P	713	9	3/11/18	" McKenzie & 2 engineers sailed with data on equipment for HP and installing Liberty.
P	719	1-F	3/12/18	" February deliveries wanted.
A	908	2	3/14/18	" Further reports coming. ^{ida}
P	729	6-A	3/15/18	" Committee wants 24 Liberties, 8 for each Ally for testing; 3 now being tested may be given to French.
A	924	1-A	3/16/18	" Pressure feed far superior to scupper feed. Engines shipped to England have pressure feed
A	933	1-H	3/17/18	" 20 propeller hubs will be shipped.
A	966	8	3/22/18	" Details of shipment of sample engines to Allies.
A	962	1	3/22/18	" DH-4 plane floated. Rec. 1 of 4 Lib. experts inspect & tune Liberty engine if flown.
		1-B		" 20 propeller hubs delivered at embarkation
P	790	2	3/27/18	" What are plans for supplying each Ally? Schedule by months wanted.
A	1016	1-C	4/ 1/18	" 6 high compression delivered French At NY. 5 del. Italians at Baltimore. Italy will borrow a Captain who came with 1st shipment.
		1-I		" Info. re. report that French are building machine for twin Liberties.
A	1023	6-A	4/ 3/18	" Report of test of HP with 2 Libertys.
		6-B		" Report of test of Bristol with Liberty
P	847	1-C	4/ 4/18	" Send Lib. mechanics with replacements.
A	1039	1&1-A	4/ 5/18	" Production of Lib. will not be sufficient to cover requirements of all depts. Reallocation wanted.
P	862	5	4/ 7/18	" Report of test on block in France.
P	865		4/ 7/18	" Sets of dies & tools wanted for repair work
A	1053	1-F	4/ 7/18	" Minor changes can be found by exam. of engines overseas
A	1055	1	4/ 7/18	" Total deliveries to April 6th.
P	889	3	4/11/18	" Report of state of completion of machines using
A	1080	1-N	4/12/18	" 4 DH with Liberty floated in charge Lt. Farwell.
A	1088	Conf.	4/13/18	" Status of Liberty orders to Eng. France & Italy; Packard delivery 70, some from Ford, Buick & Marmon in April

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1094	1-G 1-H	4/14/18	LIBERTY: Extra parts coming by courier. Before sending spare parts requested in P-865, refer to Waldon's list coming by Northrup; Waldon's plant will take care of spares.
A	1101	1	4/15/18	" Reallocation of Liberty; Engl. full quota; Ordnance none; Italy & France, Navy, balanced.
P	901	2	4/13/18	" Arrange to ship 3 Liberties for French for tests in land machines.
P	903	2-F	4/13/18	" No plans made for 3-seater with Liberties. Voisin plans to take 2 Liberties in lieu of 4 Hispanos.
P	904	Conf.	4/12/18	" Priority in allocation must be given to England, France and Italy in preference to Ordnance & Navy and Tanks.
P	913	1-I	4/14/18	" Is any 8 cyl. production proposed? Lorraine & Hispano not obtainable as such.
P	916	9-A	4/15/18	" Martinside & Vickers planes being sent to US for Liberty eight engines.
P	926	2-A	4/15/18	" Data on starting gear for HP wanted. Hand gear preferable.
P	953	4-B	4/17/18	" Liberty drawings do not show changes. Are there later ones?
		4-C		" 3 Liberties wanted at once for test in England with Vickers Viny.
A	1120		4/17/18	" What does D before Liberty in P-933 mean?
A	1128	2 2-C 5	4/19/18	" 3 low compression will be shipped to French. Graphic charts wanted of planes with Liberties. New connecting rods & bearings shipped with drawings % Lt. John Flannagan and also data on bearings & rod
P	958	2-A	4/20/18	" Spare parts, dies and tools can be sent as Waldon recommends.
		2-B		" No Liberty handbooks received; when sent?
P	971	6-A	4/22/18	" Disregard letter Div. 889-S.
P	989	2	4/25/18	" Connecting rods not up to specifications as per tests made here.
A	1174	1-G	4/25/18	" Hand starters favored. Bijur electrical starters not yet approved. Some ordered by Navy. Lewis Spring & Axle Co. constructing hand starter.
A	1180	1-A 1-B	4/26/18	" Lt. J. Flannagan bringing 50 Liberty manuals 3 low compression engines floated for French
A	1181	2-F	4/26/18	" Maj. E. J. Hall says Liberty 8 satisfactory for single seater but Hispano better
A	1204	3	4/30/18	" No changes on base of Lib. Prints being sent.
A	1202	6-C	5/ 1/18	" Lib. instruction books show old grooved bearing; new one smooth; books out on May 15th.
A	1205	3	5/ 1/18	" Carburetors control brackets floated with Lt. Vogel on April 25th.
		3-A		" Rods being more carefully inspected now; request return of broken pieces to Lt. Emmons, Ins. Dept.
P	1046	1	5/ 4/18	" Calibrating instruments wanted for Liberty test stds
A	1224	Con.	5/ 3/18	" Data on allocation of planes and engines; program of classified squadrons to be kept on front.
A	1238	1	5/ 4/18	" Total deliveries thru April 27th.
P	1043	1	5/ 5/18	" Allocation of engines to Navy not approved
P	1054	6-A	5/ 6/18	" Graphic charts of planes using Liberty engines will be sent.
A	1249	2	5/ 6/18	" First Capronis not available until 1919. Number depends upon Liberty engines.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1256	Con.	5/ 8/18	LIBERTY: Production May B t and forecast.
A	1260	1-D	5/ 8/18	3 seater Corps D'Armee machine is mentioned by Colonel Durand, French Technique & will be built for 2 Liberty engines.
A	1253	1	5/ 8/18	Tonnage shipped during April.
A	1268	12	5/10/18	Liberty prints being sent by Lts. Brook, Hartney & McGaugh.
A	1275		5/10/18	War Department has approved all plans for allocation of Liberty to Navy. No change can be made
A	1271	23	5/11/18	No allotment of Lib. to tanks. Ord. Dept. may produce their own Liberty engines.
A	1273	5-D	5/ 9/18	Spare parts list being sent.
A	1290	Con.	5/11/18	Uncertainty of allocation of raw materials makes production impossible. In future, actual production only will be sent.
P	1088	9-A	5/11/18	Broken con. rods being returned.
P	1131	1-F	5/17/18	6 Lib. in poor condition; send Maj. Hall & Capt. Jas. G. Hoaslett for conference.
P	1149	4	5/19/18	Capt. Frank Murray left with Liberty information
P	1154	3-B	5/20/18	Being received without tools; send tools.
P	1175	Con.	5/23/18	Can Lib. be furnished as per schedule. 225 wanted now for Breguet machines; allocate France 500 and Italy 250
A	1382	7-B	5/23/18	Inspection improved. All engines tested in planes. Hoaslett and Hall will be sent.
P	1203	5	5/28/18	Omit Lib. 8 as single-seater fighter engine.
P	1204	2-E	5/28/18	Data on carburetors & adjustments wanted.
A	1423	1	5/30/18	1000 Ponsot spark plugs being sent for Liberty
P	1211	1-E	5/29/18	Priority schedule for July and August.
A	1432	4-C	5/31/18	US can furnish Lib. for Breguet if further allocation to Allies is not made.
A	1458	1-J	6/ 7/18	Bristol with Lib. not to carry bombs.
A	1466	Con.	6/ 6/18	Another cut in production; reallocation, with none for Breguets.
A	1467	2-C	6/ 6/18	Tool kits will accompany Liberties.
		2-H		Repairs tools being purchased.
P	1277	1-A	6/ 9/18	Is Lib. to have connecting rods like Renault & Rolls-R
		1-D		What will be actual production to June 30th?
		1-E		Send batteries, tools, tachometers, etc. for Liberty
P	1278	5	6/ 9/18	Ship 300 per month; make no allocations without recomm. for C.A.S., AEF.
P	1260	8-B	6/ 7/18	Lib. experts wanted shipped to France direct.
A	1486	Con.	6/ 9/18	Status production to June 6th and forecast.
A	1493	2-B	6/10/18	100 Lib. tool kits shipped.
A	1504	1-A	6/12/18	Data on carburetors & control; change will involve delay.
A	1526	5-A	6/14/18	Batteries, tools, etc. will be sent.
		5-G		Lib. will not have articulated con. rodd.
P	1308	Con.	6/14/18	Allies must have preference over Navy in allocation to hold air supremacy; 225 wanted for Breguets.
A	1548	8-A	6/17/18	If spark plugs are fouled by oil, drill holes in relief valve. Propeller hubs shrunk on. Don't remove.
P	1341	2		Eliminate ignition noise in SCR Lib. engine plane.
A	1562	15	6/19/18	Correction of A-1432 4-C
A	1576	Con.	6/21/18	If allocation conference is held, plan must be submitted to Washington for approval
P	1361	4	6/20/18	Pages of criticism of DH-4 planes.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	1365	1-B	6/24/18	LIBERTY: Material wanted for DH & Liberty, gauges, motors, coils, etc.
A	1591	Con.	6/24/18	" Allocation exceeds production; allocate by proportion.
A	1592	8-A	6/24/18	" Batteries, motors, gauges, etc. ready
P	1366	1-E	6/24/18	" Priority list for July.
A	1609	4-A	6/26/18	" 37 mm. canon being tested in Lib. No information available.
P	1389	3	6/28/18	" No time to make any changes except assembly here
P	1394	Con.	6/29/18	" Needs of Lib. as stated by Allied Conference. Send all you can; 225 needed for Breguet.
A	1655	1-E	7/ 4/18	" Thermometers, gauges, ready to ship.
A	1662	1-4	7/ 4/18	" Answering defects in DH planes.
A	1668	1	7/ 4/18	" 180 Liberties will be sent for Breguets.
A	1675	1-A	7/ 6/18	" Navy will release surplus for Air Service.
A	1675	3	7/ 6/18	" No noise in DH and f Liberty if ignition kept clear
P	1424	2-A	7/ 7/18	" Aerial trailer 50 feet long.
P	1435	4-A	7/ 9/18	" Substitute instruments can be used.
A	1696	2	7/11/18	" Will extra be shipped for H.P.
P	1453	3	7/13/18	" Production estimate to July 1919.
P	1454	13	7/13/18	" Report of status production & training program.
P	1470	10	7/13/18	" Should send 2 spare engines for every 4 DH sent.
P	1471	7-B	7/16/18	" What action taken on Dolco on Liberty
A	1722	2-C	7/16/18	" Cover bearings with oil to prevent rust.
A	1733	25-C	7/16/18	" What is meant by model E.
A	1732	12	7/18/18	" Lt. Col. E. O. Hall being sent on temporary duty.
A	1744	6-A	7/18/18	" Report of Lib. aero oil wanted.
A	1744	3	7/18/18	" Floatations of spares & engines Dh
P	1494	5	7/22/18	" Bristol with Lib. 12 is valueless; will have to be rebuilt like English with Hispano 300 or Lib. 8 of 2650275-IP.
P	1753	5-A	7/20/18	" Engines arriving in better shape.
A	1761	5-B	7/20/18	" Is new carburetor position adopted?
A	1759	3-A	7/20/18	" Ship 1 Lepere Lib. to Paris for test.
A	1767	3	7/22/18	" Parts mentioned will be greased
A	1762	6	7/22/18	" Some of 1st engines has light rods and shaft
A	1762	8	7/23/18	" Liberty mechanics ordered to France
P	1506	4	7/24/18	" Model E Lib. is like Bugatti; not completed
P	1507	1-A	7/25/18	" Results of performance tests.
P	1520	1-D	7/25/18	" Cannot make up additional tonnage this month as all is allocated.
A	1776	1-4	7/25/18	" Some of damaged conditions of shipments
A	1781	1-A	7/26/18	" August tonnage priority.
A	1783	1-D	7/27/18	" What are 125 Lib. 8's for; send 1000 Lib. books.
P	1532	3	7/27/18	" No new carburetor position on Lib. LePere plane experimental only.
P	1542	9	7/25/18	" No decision on carburetor yet.
P	1556	14	7/26/18	" Col. Vincent experimenting Model E; is like Bugatti
A	1809	18	7/27/18	" Ship 500 Dolco boxes.
A	1812	5-A	7/29/18	" Latest forecast production and allocation to Oct. wanted.
P	1561	6	7/31/18	" Tools jigs, drawings wanted for APC#2.
P	1247	3-C	8/ 4/18	" 8 cyl. may be used Caproni; 2000 Lib. books for Breguet.
A	1575	2-E	8/ 3/18	" Estimate of floatatins for September.
A	1575	13-A	8/ 5/18	" Ship 100 Lib. & 100 knocked down as spares; very urgent to cover spares
P	1575	3	8/ 6/18	" Lib. required for Mark VIII tanks
P	1575	1-B	6/ 5/18	" Ind. cont. for 1500 Lib. let for tanks.
A	1575	1-C	6/20/18	"

(L)

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1815	1-K	8/ 6/18	LIBERTY: Estimate of deliveries of Lib. for tanks
A	1816	7-C	8/ 7/18	Forecast of deliveries and allocations for July, August and September.
		7-D		Delco ignition parts ready to ship in ten days. na)
A	1838	16	8/13/18	Capt. McCullough brings drawings & data on Lib & DH-4
A	1839	2-A	8/12/18	Will send assembled engines in lieu spare parts; have shipped 300; will ship 355; 200 spare engines re all assembled.
X	3	2-A	8/14/18	Shipments of Liberties for Breguets.
P	1564	5	8/ 5/18	Is US experimenting with Lib. 12 in LoPere? Request sample.
X	10	14-B	8/17/18	Changes in estimate for September shipments.
P	1573	5-A	8/ 8/18	Have 1st 180 Liberties been shipped for Breguet
S	25	1	8/19/18	Tonnage priority for September.
S	35	6-F	8/22/18	Porcelain on spare plugs for Liberties breaks. Send Titan if successful.
P	1623	Con.	8/24/18	New program & needs to July, 1919.
C-S	72	1-A	8/26/18	Wickers will be tested with Lib; predict superiority over H.P.
		1-B		Cable speed & time for HP to climb 5000 ft. with 2 Lib
A	1894	6	8/29/18	Shipment Liberty for Breguet & DH.
S	71	2-A	9/ 2/18	Send 500 Lib. carburetor sets per month.
S	87	4	9/ 5/18	Should not be sent separate to install here in DH; send installed in planes.
S	93	1-A	9/ 6/18	Cable Lib. prod. August by factories.
		1-B		Data on how radiators cooled in flight
		1-C		Ship Lib. books to APC#2.
X	55	7	9/ 7/18	Gauges, batteries & radiator extras shipped.
X	57	3	9/ 7/18	Status production & deliveries August 30th.
X	60	8	9/ 9/18	Production DH-10 disapproved; testing twin Lib. anticipated performance figures
P	1673	1	9/ 9/18	Priority program as wanted for tanks if independent production does not suffice.
X	61	12	9/10/18	500 carburetor sets per month will be sent with altitude controls.
S	125	1	9/12/18	Priority schedule for October.
X	72	2	9/13/18	Production totals August by factories
A	1940	4-A	9/13/18	Total freighted & shipped to France August
S	142	3-B	9/16/18	Is Lib. high or low compression used in H.P.
X	81	5-B-C	9/17/18	Floation of Lib. engines parts & tools
X	81	5-D	9/17/18	Have Col. Hall check Lib. spare parts list. Refer to Capt. McPherson.
X	81	5-E	9/17/18	Radiators, ignitors, switches shipped 8/22
P	1702	1	9/19/18	Are figures in X 57-7 the best that can be given for Ryan?
A	1955	11	9/18/18	41 Lib. mechanics diverted from original 100 for AEF; will replace.
X	83	3	9/18/18	Estimate to be floated November.
S	161	2-J	9/21/18	2nd Bugatti engine flown in Morane; Liberty will also be flown.
X	92	4	9/21/18	New shutters designed for radiators
C-S	155	1	9/23/18	Lib. spark plug wrenches too large.
CA	17	1	9/ 2/18	Prints Liberty & Hispano ready ten days.
S	183	9	9/26/18	Send 2 sets Martel reamers for Lib. & Hispano
X	100	3	9/26/18	No engines to be sent to Halifax. P-144 3-C not understood.
X	104	5	9/25/18	6 sets prints sent 9/22
X	104	9	9/25/18	Vandykes of Lib. with Delco apparatus sent.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1984	1	9/26/18	LIBERTY: Ordnance insists on delivery 3000 Lib. for tanks October to January.
A	1985	7	9/26/18	" Air Service has taken over Ordnance production of Liberties. Delivery schedule as requested by Ordnance.
A	1988	11	9/28/18	" Potter gives revised schedule deliveries Lib. Dh and Hispano for Ryan.
S	191	2-B	9/27/18	" Rotary motors still in use; specialize on Lib. and Hispano for mechanics.
S	193	4	9/28/18	" Correction of P-142-3-C.
X	112	2	9/26/18	" Does AEF encourage development LePere with Liberty? Is loss in maneuvering made up by gain in climbing.
X	113	2	9/27/18	" Reference heaters for Lib. how many needed.
S	203	5	9/30/18	" C. C. gear not being removed from Lib. French installing gear on Breguet with Liberty.
S	208	1	10/ 1/18	" Shipment schedule as dictated by Ryan. Oct.
C-X	11	6	9/10/18	" Estimate of A.S. tonnage available October.
S	211	6-D	10/ 2/18	" Send price of Lib. high and low compression at P. of E.
S	228	1-E	10/ 5/18	" Single seater LePere fighter to be built around Liberty 12 being studied
		1-F		Is Liberty Delco generator being changed to develop heat and light.
X	130	1	10/ 3/18	" Low compression to be used in H.P.
X	134	6	10/ 4/18	" Liberty floatations.
A	2007	3	10/ 2/18	" Performance test of Caproni with 3 Liberties
S	244	2-A	10/ 8/18	" Ryan says ship 50 Lib. immediately for HP planes for training. SEND EVERY ENGINE AVAILABLE TO APC #2.
		2-D		When does production of Liberty 12 with new carburetor & scoops start?
S	250	7-A	10/9/18	" Ryan will take up allocation Lib. for tanks on arrival in US.
A	2017	6	10/ 6/18	" 38 Lib. mechanics sent in Aug. Replacement
S	256	3	10/10/18	" Can they be distinguished without names? Send 500 rods, crankshafts, 300 propeller hubs and assemblies.
		3-C		Send 2 Liberty 8's and 2 Liberty 6's built by Hall Scott
X	143	11	10/ 8/18	" Floatations of Liberties
X	145	5	10/ 8/18	" Production status for month September 27th.
X	153	2	10/10/18	" Will send Martel reamers for Liberty.
S	256	2-B	10/10/18	" Single seater fighter should be developed around Lib. 12.
C-X	17	2	9/18/18	" Changes in Lib. for tanks will be sent 9/27
S	271	1-F	10/12/18	" Tonnage allotment for November.
S	273	9-C	10/12/18	" Lib. mechanics cannot be distinguished without names; send names by courier.
X	158	16	10/11/18	" Estimate to be floated Nov., Dec., Jan.
S	164	10	10/14/18	" Shipment of 14 cases and eight cases parts.
S	288	2	10/14/18	" Send 500 industrial heaters for Lib. in Dec. & 300 in Jan.
S	291	2-A	10/15/18	" Col. Hall states no change list M and N needed Lib. spares.
S	296	7-B	10/16/18	" Landing cables on Boxes Lib. from Northyke & Marmon too weak.

(L)

BINDER LETTER	CABLE NO.	NO of PAR.	DATE of CABLE	SUBJECT MATTER:
S	313	5-A	10/19/18	LIBERTY: Are starting coils Lib. 12 being produced
X	173	1	10/16/18	" Names of Lib. mechanics coming by courier. na)
X	176	7	10/16/18	" Prices of Lib. 8 and 12 and spare list
X	177	8	10/17/18	" Will softened water attack aluminum jackets in circulation system.
X	183	2	10/18/18	" Delco generators cannot be changed to produce light and heat on Liberty.
		9		" New Zenith carburetors & scoops now in production.
X	189	2	10/21/18	" Shipments of Liberties.
X	190	6	10/21/18	" Conn. rods and assemblies in P 256 3 coming in 10 da
X	193	6	10/22/18	" 2 Lib. 8's and 2 Lib. 6's from Buick and Hal Scott will be shipped.
X	196	16	10/23/18	" 3 experimental single seaters with Lib. 12's ordered.
A	2085	19	10/22/18	" Italy urging delivery of 155 Lib. Must supply France & England; also 500 for Tank up to Jan. Prod. wk 10/19 -879.
S	346	4	10/25/18	" Machinery and small tools as needed in H. P. factory
		9		" Changing DH gas feed to Selsdon Wind Mill Pump to eliminate fire risk. When will Dh come with Bellow pump.
X	200	12	10/24/18	" Trouble in landing cables Marmon & Nordyke boxes will be corrected.
X	201	10	10/24/18	" Shipping motors at same time as HP parts. Suggest holding motors for while and turning over surplus to British so that none will be kept idle.
X	207	6	10/25/18	" Orders placed for LePere (3500) planes with Lib. 12 engines.
X	208	18	10/26/18	" Lib. starting coils coming with Capt. Murray. No production until approved.
X	219	7	10/29/18	" Results test Martin plane with 2 Lib.
S	369	4-C	10/29/18	" Best spark plug with Liberty is Ponsot.
S	370	2	10/29/18	" Shortage in priority; who so?
S	393	1-A	11/ 2/18	" Send Bristol with Lib. 8 for test at front.
		1-B		" Some received with 40# oil pressure, 20 to 30 is limit.
X	221	8	10/30/18	" 2 sets Martel reamers floated October.
S	397	6	11/ 5/18	" Send 500 storage batteries for Lib. in Dh.
S	405	5	11/ 4/18	" Italy requested 150 Lib. Will accept Navy type from US. How many to British.
S	406	6	11/ 4/18	" Send 5000 low compression pistons.
X	236	3	11/ 2/18	" Lib. will exceed Oct. & Nov. estimates of prod. Turn over to French & English all spare engines.
C-A	1868	1	10/15/18	" Names of Lib. experts. Can they now be identified.
X	239	13	11/ 4/18	" Shipments of Lib. engines, 352 cases.
S	410	6-B	11/ 5/18	" Request 4 Lib. ignition experts for Technical Sec.
X	254	1	11/ 7/18	" Estimated floatations for November.
X	255	1	11/ 7/18	" Totals shipped period "C" October.
X	257	6	11/ 8/18	" Production status November 1st
S	426	2-A	11/ 8/18	" Starter coils should be in production; 1 for each engine; Delco has information.
S	434	6-A	11/ 9/18	" Attempting to locate Liberty experts.
C-X	41	5	10/24/18	" Lib. spark plug wrench tests OK. Send sample of wrench which is too wide.
S	443	5	11/12/18	" Send price of low compression Lib. & list "C" spares
		2		" Engl asking Ryan for definite promise Lib. Ryan promised 500 2 weeks. AEF take up at once.

(L) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
X	259	9	11/ 9/18	<u>LIBERTY:</u> Lib. Aero oil used for pressure test AEF pressure probably due to different oils
A	2172	5	11/11/18	" Flotation of 74 cases.
X	269	1	11/12/18	" Supply Italy with motors delivered to AEF. US shipping Engl 500 in addition to allocation by Stettinius.
X	274	4	11/14/18	" Are 5000 low compression pistons wanted now? Bristol with Hispano & Lib. 8 will not be sent.
X	281	15	11/16/18	" 500 Lib. batteries available in 10 days
S	455	4	11/15/18	" Re-allocation to England; controversy in Ryan's policy.
X	293	1	11/20/18	" Flotation of 214 cases.
X	295	6	11/21/18	" Is Capt. Murray wanted with coils, starters, scoops, etc.
S	484	6	11/22/18	" Technical Section says Lib. spark plug wrench is OK.
S	495	5-B	11/23/18	" Cancel 5000 low compression pistons.
X	313	4	11/26/18	" Flotations of Lib.
X	315	4	11/27/18	" Selling price includes "C" spares; use old price in X.176 7.
A	2297	1	12/ 9/18	" All questions re settlement of contracts to be referred to Mr. Stettinius.
S	601	2	12/12/18	" 1000 spare Lib. difficult to return to US a/c shortage lumber for crates; disposition?
S	83	2	12/10/18	" Status French indebtedness for Liberty.
X	364	2	12/19/18	" Prod. status to Nov. 29; Est. to Dec. 30th.
P	2011	3	12/27/18	" No written agreement with French to take motor. Verbal with Ryan. French do not want 4500 arranged for. Send cost of cancellation
X	388	6	12/30/18	" Return all Lib. motors to US.
S	791	7-B	1/10/18	" Send prices individual spards list "C".
A	1220	1-B	5/ 2/18	<u>LIBERTY AERO OIL:</u> Low test oil developed called Liberty-A
A	1733	1B	7/18/18	" Report on Lib. Aeron Oil wanted.
P	1558	4-A	8/ 5/18	" " " Lib. Aero Oil not yet tried; data on Mobile Oil and Castor Oil in Liberty engine.
P	1032	4-A	5/ 4/18	<u>LIBERTY TRUCKS:</u> Rear bumper bracket is cast iron; should be forging.
A	1274	1	5/11/18	" " No Lib. Motor truck known; who is maker?
P	1131	1-B	5/17/18	" " Made of standard parts by GMC & others
A	1394	2-A	5/25/18	" " First 250 have cast steel bumpers, balance malleable.
P	386	4-B	12/12/17	<u>LICENSES:</u> Bought outright in England; Royalties paid in France.
A	833	21	3/ 1/18	<u>LIME:</u> Will acetate of lime & methylen be required
P	713	9-B	3/11/18	" Is it for repair work. If so, amounts are too large
A	950	1-A	3/20/18	" Lime & alcohol requested by French for mfg. of dope is amount correct?
P	808	1-B	3/29/18	" Estimate of plane repairs is too large. Investigation being made.
P	865	8-C	4/ 7/18	" French requirements correct. Expedite shipment.
P	1148	5	5/19/18	" To be shipped as part of Bolling orders for planes
A	1471	10-A	6/ 9/18	" 1200 tons released.
S	224	3	10/ 4/18	" French Ministry now presents reduced demand for Lime & Methyl Acetate.
X	165	6	10/14/18	" Agreement of Board to allocate Lime & Methyl acetate
A	822	10	2/23/18	<u>LINCOLN:</u> Is now producing Liberty Engines
X	72	2	9/13/18	" Production Liberty engines for August.

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BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
SD	48	1	7/ 6/17	LORRAINE DIETRICH: Sending sample to U. S.
P	47	1	7/17/17	" " Engine may prove successful.
A	65	5	7/29/17	" " Expedite purchase 18 meter Nieuport with Lorraine engine.
A	91	2	8/ 9/17	" " What is price to French?
P	141	3	9/ 5/17	" " Price is 21,000 francs.
P	151	2	9/10/17	" " Get reports on curves from Herbert.
A	590	2	1/ 4/18	" " Direct d to ship.
P	502	3-C	1/14/18	" " Objects shipping motor.
A	855	2-A	3/ 3/18	" " Offer to send 400 hp engine to US; investigating.
P	776	1-A	3/25/18	" " Trouble with crankshafts; cannot be shipped for 2 months. Is it still desired; Salmson more suitable.
P	869	6-B	4/ 8/18	" " Statement of foreign deliveries to March 28th
A	1080	1-K	4/12/18	" " Not now desired if unsatisfactory. Keep us posted on Salmson.
P	913	1-F	4/13/18	" " Martynside & Vickers single seater plane; use Rolls-Royce or Lorr. Dietrich engs.
P	920	1-I		" " Not obtainable as 8 cyl. motor.
P	958	5-E	4/15/18	" " No. on hand with AEF on April 1st.
A	518	2-D	4/20/18	" " Vickers plane built for Lorraine engine.
		16	12/13/17	LUMBER: 20,000 ft. gasoline, 3,000,000 gal. en route to Bordeaux; information requested.

(M)

P	78	107	8/ 7/17	MACCHI: Can secure flying boats from Macchi Co, Italy
P	88	11	8/ 8/17	" " Italy sending sample Macchi
P		2	8/ 8/17	" " Requirements flying boats to Oct. 1; May procure Hispano & Renault for Curtiss & Macchi boats.
A	5		6/27/17	MACHINE GUNS: Send full information on machine guns now in use for purpose of mfg. in U. S.
A	10	5	7/11/17	" " Vickers machine gun program held up; Borad putting man on question immediately.
A	40	11	7/20/17	" " Do not expect to make Vickers for our use; will use Colt-Browning in place.
A	47	3	7/23/17	" " Our advice that Colt had made Vickers with synchronizing device was in error.
SD	10	1	6/28/17	" " American must produce large numbers of Vickers & Lewis aircraft guns.
SD	21	1		" " Urge increase production Vickers; suggest transfer of those being produced by Colt for Russia.
SD	30	1	7/ 1/17	" " Will ship synchronizing mechanism for Vickers gun and sacrf mount for Lewis within 10 days.
P	37	6	7/11/17	" " France and England agree you should produce as many Vickers machine guns as possible.
P	37	13	7/11/17	" " Must have as many Vickers & Lewis as possible
P	41	2	7/14/17	" " 2 Synch. Vickers each plane, as many as 6 guns on some planes. Proportion Vickers to Lewis is 2 to 1.
P	44	9	7/16/17	" " Produce as many Vickers as possible; will use 3 synchronized & 3 Lewis on each plane.
P	62	2	7/26/17	" " Browning should be proved as good or better than Vickers before adopting; send 8 Ordnance officers to study machine gun question.
A	78	3	8/ 5/17	" " Ordnance leaning toward Browning as being superior to Vickers.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	80	1	8/ 6/17	MACHINE GUNS: Estimated production program Lewis, Vickers Browning, Chauchat.
A	91	4 3 4	8/ 9/17	" Get samples & Mfr. rights best gun sights Difficult to increase production Vickers What are types for aircraft guns?
P	78	100	8/ 7/17	" Firing thru propeller shaft experimental only; recommend adoption of Vickers with Constantinesco synchronizer.
P	100	1-1	8/14 /17	" Aviation requirements of Vickers & Lewis guns & ammunition.
P	123	4	8/24/17	" Estimated needs for Vickers and Lewis.
A	105	6	8/13/17	" Get synchronizers France if possible. Can get Browning easier than Vickers.
A	115		8/20/17	" US will supply Marlin, Browning, Lewis, Vickers uncertain; buy synchronizers France.
A	127	13 15	8/25/17	" Estimated production Lewis & Vickers to 6/18 Will be able to furnish enough guns. Buy amount abroad.
A	161	6	9/ 8/17	" Send Nelson with data Spad & Constantinesco gear
A	178	2	9/16/17	" Plan of distribution of output Vickers, Marlin and Lewis.
A	193	4	9/18/17	" Get good machine gun instructor from RAF for standardizing training.
A	226	9	9/23/17	" No drawings available synchronizing Browning Worked successfully with Gnome.
A	229	2	10/ 2/17	" Are hyposcopes attached or not? - - - -
P	180	7	9/24/17	" Send drawings Browning and factory man; French will try to synchronize.
P	186	8 3	9/27/17	" Spad rotary synch. devices sent June. Larger calibre gun needed, 45 or 11 mm.
P	187	3	9/27/17	" Ship 1 Vickers to mount on plane. Do not accumulate.
P	244	7	10/23/17	" Specifications Vickers tripod, traverse & mount.
P	213	3	10/11/17	" Data on anti-aircraft, balloon, guns, ammunition, etc.
P	251	3-C	10/28/17	" Hyposcopes are detached.
SD	183		9/29/17	" Send summary dates delivery; how about Lewis traps and spares for Vickers
SD	198	1	10/10/17	" Do not convert Vickers factory to Browning. Vickers more successful.
A	266	3	10/12/17	" All training using .306 on Lewis. Marlin ammunition not designed.
A	282	1	10/14/17	" Vickers will be shipped 500 per month. 47 round Lewis now, 97 round in January.
A	300	5	10/18/17	" France will furnish 1000 Hotchkiss to replace Vickers for Air Service.
A	354	11	11/ 3/17	" CC is 1st choice; Spad 2nd for synchronizer
A	359	2	11/ 5/17	" If 2 machine guns are mounted on 1 Scarff how are grips used?
SD	224	5	10/24/17	" Telescope sights attached to gun.
SD	232	3	10/30/17	" What synchronizing gear used for firing thru propeller.
SD	233		10/30/17	" How many 97 round magazines monthly?
SD	246	1	11/ 6/17	" Either Tourelle or Scarff mount OK for Lewis
SD	248	8	11/ 6/17	" Send 300 Vickers; will use British ammunition until US arrives.
P	276	2-A	11/ 8/17	" Send drawings all guns & parts.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	276	2- D	11/ 8/17	MACHINE GUNS: Requirements Air Service guns each month, Vickers and Lewis.
P	283		11/12/17	" Requirements ammunition to June, 1918.
SD	250	3	11/ 8/17	" Butt stocks not used; spade grips on all guns
SD	258	3	11/13/17	" Capt. Raymond coming inspect Browning; has data shooting balloons with Vickers.
SD	272	1	11/20/17	" No self loading rifles needed.
A	370	15	11/ 8/17	" Are any self loading rifles wanted?
A	278	2	11/ 8/17	" Estimate prod. 97 round magazines for Nov. & Dec.
A	396	8	11/15/17	" Cannot furnish guns for British ammunition
A	448	4	11/28/17	" Sack nets ordered for Lewis.
		6		" Rumor discontinuing synchronizing machine guns-Verif
A	451		11/29/17	" Developing belt like Prideaux links.
A	469	1	12/ 3/17	" Schedule of deliveries Vickers, Lewis, Marlin to Jun
A	476	2	12/ 4/17	" 700 Lewis available Jan. 2000-Feb. Could mobile type be used?
A	477	5	12/ 6/17	" All spares placed on automatic supply lists
P	382	2	12/15/17	" Lewis guns wanted.
P	418	5-C	12/27/17	" Order placed for 30,000 Lewis; 97 roundmagazines.
P	419	2-B	12/27/17	" French are adapting Hotchkiss & Vickers; samples & drawings will be sent.
P	421	2	12/28/17	" Synchronizing guns not being discontinued. We have arranged to keep part of 1000 Vickers guns ceded to French.
P	424	2-A	12/29/17	" Self loading automatic is necessary; Remington preferred; 20,000 required; 500 at once.
A	469	3	12/ 3/17	" Gauges for testing Lewis Magazine.
A		1		" Deliveries in US Vickers, Lewis, Marlin aircraft machine guns.
P	502	3	1/14/18	" Data wanted on Lewis Mach. Gun.
P	513	1-B	1/15/18	" Marlin expert wanted; sailing date of expert wanted.
P	518	1-H	1/21/18	" Recommend assembly in US.
A	661	1	1/21/18	" Sights to read in meters.
A	476	2	1/ 4/18	" 750 expected in Jan; 2000 in Feb. would mobile Army type Lewis gun be useful.
A	477	5	12/ 6/17	" All spare parts placed on automatic supply
A	486	5	12/ 6/17	" Lewis aviation type French check gas recoil check.
A	491	4	12/10/17	" Vickers Oct. 500; Nov. 150; Dec. 1250; complete schedule cabled Gen. Pershing.
A	526	7	12/17/17	" Instr. is sent for marking.
A	536	5	12/18/17	" Will send 1st Lt. R. W. Chandler, has had experience mounting & synchr. guns on planes
A	543	4	12/ 20/17	" Design Vickers to take 11 mm. incendiary bullets; have French experts sent with samples.
A	546	5	12/21/17	" Desvigne bullets should be sent by messenger on next boat; Vickers gun for 11 mm. bullet.
		1		" Advise production of Lewis in latest French type.
A	608	6	1/ 8/18	" Method of shipment.
A	618	8	1/11/18	" Number of Browning and Marlins wanted.
P	481	7-A	1/ 9/18	" Info. wanted Aldis sights.
A	675	5	1/24/18	" Only Lewis will be shipped. Info. wanted on no. required per month; Vickers being shipped to be altered on arrival.
P	524	4	1/22/18	" D'Arne test unsatisfactory; report later other tests
A	683	5	1/25/18	" 2 Marlin experts sailed with 2 synchr. guns; 9 Marlins shipped; Spad synch. shipped
A	693	10	1/25/18	" 5 Marlin aircraft guns shipped 1/21/18
A	703	9	1/28/18	" Details of Marlin as mounted on DH and Bristol.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	556	3-B	1/28/18	MACHINE GUNS: D'Arne test abandoned a/c of bolt breakage; Inventor improving; details later.
P	560	5-C	2/ 1/18	" Messenger leaving with modifications of crank case for Bugatti.
P		5-D		" Numbers & dates all shipments for aircraft wanted to date.
P	568	2	2/ 3/18	" How many Lewis shipped; when will shipment begin, - how many? Our estimate January to June.
A	730	6	2/ 3/18	" Pilots receiving gun instr. from rear cockpit of JN until schools are ready.
P	575	2-C	2/ 6/18	" All machine gun sights will conform to standard in A-672-2.
A	762	8	2/11/18	" Orvisey & Sevillius, Marlin Co., in Paris. Give them opportunity to see all kinds of tests.
A	748	3	2/ 8/18	" Amount Vickers shipped to date? 500 Vickers & 300 Marlins at port can be modified if desired.
P	589	5	2/11/18	" Amount given of each; kind needed & amount received to date; deficiency can be made up of Marlin.
P	599	5-B	2/14/18	" All data has been furnished Ord. Dept., Air Service will cooperate with Ordnance?
A	762	1	2/11/18	" No Lewis shipped yet; 50 inspected & coming
P	614	8-B	2/18/18	" Heat treated Vickers links better than French; Rush production.
P	631	2-A	2/21/18	" Rear sight base should be left on Lewis guns
A	828	9	2/25/18	" 5 weeks before planes can be equipped with guns.
A	853	31	3/ 1/18	" Complete sets for 1000 planes to be shipped beginning March; will be Marlins, added to Vickers already shipped.
A	867	2	3/ 6/18	" Feed remains same; back sight is part feed but can be changed as wished.
P	691	7-D	3/ 7/18	" Vickers guns being divided 50/50 basis with French; expedite deliveries.
P	702	1-A	3/ 9/18	" When can Sargent Links be shipped for Vickers guns? What rifle has been adopted for emergency use?
A	912	1	3/14/18	" Estimated deliveries, March to June; 1850 Vickers shipped; no Lewis shipped.
P	741	4-B	3/17/18	" 800 Spade grips wanted for Lewis
A	933	1-D	3/17/18	" 12,000 Vickers ordered for US shipment 750 per mo. None ordered for French yet.
P	749	5-B	3/20/18	" What is status of Aldis machine gun sight?
P	810	1-F	3/29/18	" Report of test of Marlin at altitude.
A	919	6-C	3/15/18	" No Vickers links shipped yet; estimated shipments April, May and June.
A	975	8	3/25/18	" Status & schedule of Aldis Machine gun sights.
A	984	1-L	3/27/18	" Vickers & Marlin link shipments to June first. Gen. Staff decided not to alter Vickers; if alterations wanted can be done in US.
A	988	1	3/27/18	" 300 Vickers floated; 825 more docked
A	999	1-N	3/29/18	" Present delivery Vickers 50 per day; 11 mm. can be produced; exchange of Vickers for Hotchkiss not required as Marlins used for Renault tanks.
A	1006	1-A	3/30/18	" Machine gun schedule is given in A-912 1.
		1-B		" Spade grips for Lewis will be shipped.
P	823	2	4/ 1/18	" Are Vickers guns in A 912 1 equipped with trigger for Spad; gear and water cooling jacket?
A	1016	1-K	4/ 1/18	" Should supports be furnished for 1 or 2 Lewis guns on foreign planes?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE-	SUBJECT MATTER:
P	840	5-A	4/ 3/18	MACHINE GUNS: Luminous sights & aiming stakes should be provided for Browning.
P	715	2	3/11/18	" Are Russian Vickers for DesVignes cartridges to be exchanged for Hotchkiss?
P	743		3/18/18	" French willing to exchange Hotchkiss for Vickers; development urged of Marlin as 11 mm. for tank work
P	857	7	4/ 6/18	" All planes having fixed guns should have ring sight and Aldis sights.
P	859	6	4/ 6/18	" Report of tests of Marlin gun.
A	1052	1	4/ 7/18	" Specifications as required for mach. gun oil
A	1053	1-E	4/ 7/18	" Marlin & Lewis being sent in April and May.
A	1067	2-D	4/ 9/18	" Status of link shipments & Aldis sights & Lewis.
A	1080	1-M	4/12/18	" Marlin & Lewis shipment status.
A	1094	1-E	4/14/18	" All planes equipped with fixed guns being equipped with Aldis & Ring sights.
P	894	3	4/11/18	" Has mount been developed to use Marlin as free gun?
P	912	1	4/13/18	" Changing of Vickers to 11 mm. should be expedited; Prideaux & Vickers schedule as wanted; Bes Vignes best cartridge.
		1-A		After 1st 4000 Vickers are shipped, the rest should be altered.
P	922	2-F	4/15/18	" Vickers will be used for Air Service only. Water jackets not necessary.
A	1106	3-A	4/16/18	" No mount developed to use Marlin as free gun; Lewis meeting this requirement.
A	1115	6	4/17/18	" No changes made in US on Vickers; 500 Spad trigger motors freighted to change in France.
A	1135	10	4/19/18	" Report of Marlin & Lewis shipments for wk Apr. 15th
A	1142	1-A	4/21/18	" 1st 28 DH and 25 Bristols will be sent armed. After that without machine guns. Guns will be shipped direct; 1700 Lewis and 6600 Marlin freighted.
A	1154	1-A	4/24/18	" Monthly maximum will be reached in July. Schedule of deliveries wanted to October.
A	1181	1	4/26/18	" 5 converted Russian Vickers will be shipped
A	1196	2-C	4/27/18	" 1500 Marlin and 650 Lewis floated 4/23/-Marlin has new rear springs.
P	840	5-B	4/ 2/18	" Lewis mach. guns to be issued to searchlight units.
P	1003	2-A	4/26/18	" 2000 rounds per gun should be furnished for 11 mm gun.
A	1203	1-B	4/30/18	" Infantry will be equipped with Vickers until June 1- After that Air Service will get them. Brownings available in June.
A	1214	2-C	5/ 2/18	" Lewis & Marlin floatations for week April 27th.
A	1238	1-D	5/ 5/18	" a/c troop movement Vickers for Air Service only available after July 1st
A	1254	1-B	5/ 6/18	" Shipments of Lewis, Vickers, Marlin for April
A	1261	6-B	5/ 7/18	" Brief report wanted on serviceability of Lewis, Vickers, Marlin and Browning.
A	1253	1	5/ 8/18	" Tonnage shipped during April.
A	1265	1-B	5/ 8/18	" No Marlin shipped; 700 Lewis freighted; 412 docked week of May 4th.
A	1273	5-A	5/ 9/18	" No Lewis or Marlin worked in as yet; Hereafter all will be worked in.
A	1286	8	5/16/18	" Machine guns for HP will go separate; other armament will accompany & be installed in England.
A	1314	4	5/16/18	" Shipments for week May 11; Lewis and Marlin.
A	1324	7	5/15/18	" Status of .30 caliber shipment ammunition.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1324	7	5/15/18	MACHINE GUNS: Status of .30 caliber shipment ammunition.
A	1363	11-B	5/21/18	" Shipments of Marlin & Lewis wk. of May 18th.
P	1164	4	5/22/18	" Trouble with French Vickers; cuts bullet jacket; Barrel should be enlarged.
P	1123	1	5/16/18	" Equip 13 divisions with Browning.
P	1172	1	5/23/18	" 18 emergency guns per squadron. Use Springfield until Browning is available.
A	1373	4	5/23/18	" Amount of ammunition and wattage per gun.
A	1399	1-H	5/26/18	" All Marlins and Lewis being fired 300 rounds before shipping.
A	1413	1	5/30/18	" Shipments Marlin and Lewis week of May 25th.
P	1209	4	5/29/18	" Send samples of reported new counter for Lewis gun & synchronizing gear.
A	1423	1-E	5/30/18	" 6 Springfield or Browning will be furnished per sqdn.
P	1216	3	5/30/18	" 1 officer wanted as instr. in mach. gunning.
A	1428	2	5/30/18	" Vickers 11 mm. shipments.
A	1432	5	5/31/18	" Marlin instruction books sent.
P	1226	1	6/ 1/18	" Emergency guns not now desired.
P	1123	1-A	5/16/18	" Will divisions be equipped with Vickers? Change for Air Service will delay.
A	1221	3	5/ 2/18	" Deliveries range finders & tripods.
A	1450	6	6/ 4/18	" Shipments week of June 1st, - Marlin and Lewis.
A	1459	6-A	6/ 5/18	" H.P. will come fully equipped with machine guns.
A	1458	1	6/ 7/18	" Indicator for Lewis developed.
P	1266	11	6/ 8/18	" Is Nelson synchronizing gear successful?
P	1268	3	6/ 8/18	" Details of working in and testing machine guns; complicated and requires testing here.
P	1263	1-4	6/ 7/18	" Result of tests 11 mm. Vickers gun and ammunition.
A	1479	3-D	6/ 8/18	" Samples and drawings Nelson synchronizer being sent; Also containers for Lewis.
P	1281	7	6/10/18	" 3 Marlin experts wanted.
P	1286	4	6/11/18	" Results of Vickers links test; in future inspection should be more rigid.
		4-A		" New French device to speed up Vickers.
A	1497	11-A	6/11/18	" Shipment Marlin & Lewis week June 8th.
A	1500	5	6/11/18	" Cancellation of emergency files in contradictory.
A	1504	1-F	6/12/18	" Data on how Marlin & Lewis are "run thru."
A	1514	16	6/13/18	" Lt. Wheeler ordered to report to demonstrate Browning machine gun.
A	1515	8	6/13/18	" Spares for Vickers & Lewis will be expedited.
A	1526	3	6/14/18	" Nelson synchr. gears not approved yet.
P	1305	2	6/14/18	" Unsatisfactory points on DH armament with changes suggested.
P	1322	2	6/17/18	" Will Air Service Vickers be modified in US?
A	1548	8	6/17/18	" Shipments of Lewis & Marlin week of June 15th.
P	1327	6	6/18/18	" Working in of Vickers shows many defects. CC gear on DH badly made; defects.
		6-A		" Links will be better inspected.
A	1551	4-C	6/18/18	" Requirements of ammunition for Vickers, Marlin -11 mm. from July, 1918 to March 1919.
P	1343	1	6/19/18	" 3 men being sent to Fairfield; then to AEF as Marlin instructors.
A	1564	1-B	6/19/18	" 3 men being sent to Fairfield; then to AEF as Marlin instructors.
P	1349	4-B	6/21/18	" What was cost of Vickers links FOB embarkation
P	1350	1-C	6/21/18	" Requirements by months June '18 to May '19.
		1-E		" Aluminum is replacement 30,000 Lewis magazines
P	1353	6	6/22/18	" 1500 books wanted on Armament, Marlin & Browning.
A	1573	3-A	6/20/18	" Steps taken to correct armament on DH-4.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1585	5-C	6/21/18	MACHINE GUNS: Are Marlin trigger attachments Spad required with containers.
		7		Shipped drawings & samples Nelson synchronizing gears on June 20th.
P	1363	10	6/24/18	" French fire Lewis guns at 750 to 1000 r.p.m.
P	1367	2	6/24/18	" No emergency rifles will be used.
A	1601	8-A	6/25/18	" How many Vickers were tested for defects?
		8-D		4300 Vickers will be modified in US.
		8-H		No report of test Marlin.
A	1602	9	6/25/18	" Shipments Marlin & Lewis week of June 22nd.
A	1617	10	6/27/18	" Improvements being made to correct defects in Marlin & Lewis guns.
P	1387	1-C	6/28/18	" SIA machine gun manufactured by Fiat Company; instruction book coming.
P	1389	2-C	6/28/18	" Marlin spare parts needed.
A	1634	1-J	6/29/18	" Marlin pamphlets sent; Browning not ready.
		1-L		Estimated factory deliveries to January, 1919.
A	1641	12-A	7/ 1/18	" Guns worked in at Fairfield, marked SCofA tested.
P	1405	7	7/ 2/18	" Ship 100 speeding up devices for Vickers guns
P	1407	3	7/ 3/18	" Reports Marlin tests being sent.
P	1408	4	7/ 3/18	" Request 3 Sgts. instructors report to CO.O.
		4-A		Ship sights, wires, gears, triggers, etc.
A	1653	2	7/ 3/18	" Shipments of Lewis & Marlin June.
A	1662	1-A	7/ 4/18	" Answering defects in DH planes.
P	1413	2	7/ 4/18	" 11 mm. mixed with .30 caliber Colts.
P	1418	1-A	7/ 5/18	" Shall Vickers be charged for A.S. or held for 2nd & 4th Army Corps.
P	1420	3-C	7/ 6/18	" Not advisable to mount aircraft guns on railway artillery carriages.
P	1424	10	7/ 7/18	" Report of defective guns each month.
		10-A		Ship Spad triggers for Marlins.
P	1435	1	7/ 9/18	" Steel container for 97 round Lewis ammu. satisfactory
P	1446	10	7/11/18	" Expedite armament spares for DH.
A	1692	11-A	7/11/18	" Shipments Marlin & Lewis July 6.
		12		Should A.S. guns be marked with purple band?
A	1695	1-E	7/11/18	" Negotiating for sample SIA gun and ammunition
A	1696	1	7/11/18	" How many Lewis yokes wanted? Can we use Bowden cables? Do we want 1000 Spad trigger motors?
		1-B		1st 2300 Marlins have old top lock, next 15,000 have new top lock.
A	1712	1-F	7/15/18	" 10 11-mm. guns being sent from Colt's
		3		12 Hotchkiss wanted for Balloon School.
A	1720	11	7/16/18	" Spares for 5000 Marlins shipped.
		11-B		Shipments Lewis & Marlins for week of July 13th.
		11-C		Do orders apply to P-1350 1-c.
P	1477		7/17/18	" Develop 50 cal. gun for A.S. and land with same ammu
A	1718	4	7/18/18	" Lewis magazine has content indicator.
A	1733	9	7/18/18	" Machine gun has situation in U. S.
A	1740	1-B	7/19/18	" Are electric heaters needed?
A	1741	13-E	7/19/18	" Trouble with Marlin; file off receiver to let bullet pass.
A	1753	6	7/20/18	" Distributors Vickers from July to December.
P	1497	1-A	7/22/18	" No special gun used against balloons; types
A	1760	11-C	7/22/18	" Vickers production begins August 60 per day.
A	1762	15	7/23/18	" Shipments Marlin & Lewis week July 20th.
P	1505	6	7/24/18	" Shipping marks for Marlin, Lewis & Vickers.
A	1774	1-E	7/25/18	" Test of Browning in Aug; data on guns & ammunition
		1-J		New magazine indicator Lewis; sample 2 weeks.

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BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER
P	1720	4-B	9/24/18	MACHINE GUNS: Only 8 truck mounts received; expedite.
A	1985	7-A	9/26/18	" 2 Lts. ordered to France to demonstrate Marlin & tank guns.
C-X	9	12	9/ 7/18	" Charts on Vickers, Marlin, Browning in 3 weeks.
S	198	5-B	9/29/18	" Peyeru stadia are satisfactory for sights.
S	199	4	9/30/18	" Do not chance 30 Vickers to 11 mm. Ship Brownings & Vickers all speed.
S	201	1	9/30/18	" Ship 100 heaters for Marlin, Vickers & Lewis.
S	201	1-B	9/30/18	" Ship 200 stripped Springfields.
C-X	11	6	9/10/18	" Estimate of A.S. tonnage available October.
S	203	5	9/30/18	" CC gear not being removed from Liberty. French installing goat on Breguet with Liberty
S	219	2-D	10/ 3/18	" Requirements 11 mm. cartridges; increase production and send links.
S	229	2	10/ 5/18	" Observers have no trouble with twin Lewis. No singles used now.
X	138	2	10/ 5/18	" What electrical equipment needed to connect Vicker heaters?
S	235	2	10/ 7/18	" Discontinue shipping spare barrels; plenty here now
S	243	1-B	10/ 8/18	" Mechanical better than CC synchr. gears; has simpler action.
X	154	6-A	10/10/18	" 47,500 Vickers links shipped; balance being expedited.
C-X	21	1	9/22/18	" Probable shortage in September priority shipments.
A	2041	10	10/11/18	" Can Rockwell be used at APC#2 for machine gun & sight mounting?
X	158	10	10/11/18	" 18 volt heaters Marlin, Vickers, Lewis will have priority over other heaters.
S	284	4	10/14/18	" Cable lengths necessary to attach heaters.
S	292	4-A	10/15/18	" Status of mach. gun heaters unchanged.
S	310	4	10/15/18	" Send 5000 pairs Tourelles rubbers for mounting double guns. Those received useless.
S	310	2	10/18/18	" Send 1000 16 volt gun heaters for Vickers, Marlin & Lewis.
X	194	13	10/22/18	" All spare barrels Lewis, Browning & Vickers barrel shipment stopped.
A	2097	17	10/24/18	" Request confirmation that pilots find Marlin unsatisfactory.
X	211	3-A	10/26/18	" 1878 water-cooled Brownings floated.
X	214	10	10/28/18	" Vickers water-cooled barrels on hand & shipped
X	219	9	10/29/18	" How many gun yokes & mounts? Are French & British yokes being substituted?
S	25	1-B	8/19/18	" Ordnance Tonnage for September priority.
X	222	3	10/30/18	" Lewis single and double yokes now in production; will single stems be used now?
S	395	4	11/ 2/18	" No complaints from pilots on Marlin; difficulties at front due to unfamiliarity.
X	221	13	10/30/18	" How many Vickers 30 converted for Air Service.
X	225	2	10/30/18	" 5000 pairs Tourelle rubbers ordered for double guns; specifications of same.
X	228	5	10/31/18	" Vickers, Lewis & Marlin gun heaters floated during October.
X	235	6	11/ 2/18	" Are pilots using 2 Lewis guns on Scarf mounts or has French Tourelle replaced it?
S	413	1	11/ 6/18	" Recommendations for each type of plane.
X	250	7	11/ 7/18	" 2500 Vickers 11 mm. liquidators shipped.
S	431	2-B	11/ 9/18	" 2911 Vickers .30 converted to Air Service type
		2-C		No more single stems needed; send doubles for All DH's

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
X	266	6	11/12/18	MACHINE GUNS Q. M. has shipped large amount mach. gun oil; what results obtained?
S	479	6	11/21/18	" " Machine Gun Oil just received; not yet tested.
P	51	4	7/18/17	MACHINERY: Place order for 12 Grinding machines, 4 Shaper 3 Hobbling machines, 2 P&W Thread Millers.
A	56	1	7/26/17	" Are grinders & millers for mfg. or repair shops in France?
A	196	8	9/21/17	" Does not include pulleys.
A	220	1-2	9/27/17	" Grinders ordered for Renault.
A	223	2-5	9/29/17	" Cable shipping instructions for all tools & machinery from J. G. White.
P	163	4-2	9/16/17	" Consign tools & machinery to Bolling.
P	168	3	9/19/17	" Did lists include Rivett grinders.
A	306	1	10/22/17	" Fitchburg lathes accepted.
A	330	1	10/27/17	" Ocampagh lists differ White lists.
SD	242	1	11/ 6/18	" Screw & milling machine urgently needed for Fives Lille Company.
P	264		11/ 1/17	" Ship 25 Heald cylinder grinders.
SD	269	5	11/19/17	" Breguet will use Bliss presses.
		6		" List machinery needed.
SD	282	14	11/26/17	" Release Brown & Sharpe Milling machine for Fives Lille Company.
A	408	2	11/19/17	" Cannot locate orders screw machines.
A	432	1	11/23/17	" Will ship 50 Heald grinders.
A	455	11	11/30/17	" Address to ship Heald grinders.
P	424	5-B	1/23/18	" Ship milling machines & screw machines to Five Lille Company.
A	491	8	12/10/17	" Will ship Brown Sharp Milling wire screening
P	535	1-A	1/21/18	" Data on Draw Benches.
A	675	2		" J G White collecting catalog prices for.
P	563	7-B	2/ 2/18	" Cart. Warner should disregard list for French
A	703	1	1/28/18	" Equipment now being furnished for machine shop trucks. Deliveries in 60 days.
A	703	3	1/28/18	" No demands for base repair depot supplies recorded.
P	573	1	1/ 5/18	" French have allowed tonnage for machinery ordered by Brasier Embargo should be lifted.
P	573	1-D	1/ 5/18	" Rock crusher & road roller not needed; 2nd hands here.
A	833	5	3/ 1/18	" Data on tonnage ordered, ready & shipped.
		2-7		" No info. recd. on lists; should they be purchased?
A	855	4-C	3/ 3/18	" Release of embargo on Brasier machinery awaiting decision of authorities.
A	865	1	3/ 6/18	" Delay in shipment to Brasier due to steamer.
P	702	1-C	3/ 9/18	" Most mach. obtained in France; info. regarding needs later.
A	947	9	3/21/18	" " Mach. ordered for Prod. Center #2.
P	776	1-D	3/25/18	" " Lists for Prod. Center #2 just finished; no statement of procurable articles for 2 wks.
A	1067	2-A	4/ 9/18	" " Northrup has sailed with mach. lists for Prod. Center #2.
A	1097	9	4/14/18	" " Any item in Allen's report can be had from Northrup's machinery list.
P	947	1-A	4/19/18	" " Monorails, brownhoists, trolleys procurable in France in limited quantities.
P	957	2-A	4/20/18	" " Cancel locomotive cranes & power equipment will be furnished by Engineers.

LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1029	2-3-2-	2-1	MACHINERY; Brown & Sharp gear cutters, Rivett grinders, Pratt & Whitney thread millers wanted from JG White for Brazier.
P	1101	3	5/13/18	" Items which are not wanted for APC#2 in P-10 61
A	1298	1-C	5/12/18	" Brown & Sharp gear cutters not made now; Pratt & Whitney parts will be obtained; can other machinery be used?
A	1318	4	5/15/18	" Status of material orders for APC#2.
P	1138	5	5/17/18	" Repeat of P 1046 1
A	1356	7-A	5/20/18	" Pratt & Whitney advise that milling mach. are for external work; information requested.
P	1209	2-B 2-C	5/29/18	" JG White milling machines to be used here. French will accept Pratt & Whitney machines without internal tools (Brazier).
P	1271	2-B	6/ 8/18	" List of tools & mach. wanted for APC#2.
A	1546	3-A	6/17/18	" 2 second hand gear cutters bought; 2 new ones ordered from Brown & Sharp; delivery 1/19
P	1356	5	6/23/18	" 125 sewing machines wanted.
P	1366	1-E	6/25/18	" Priority list for July.
P	1470	7-D	7/16/18	" 1 Boring mach. and 1 Fossdick Mill wanted.
A	1752	3	7/20/18	" Will send boring & milling mach. July
P	1507	1-D	7/25/18	" August tonnage priority
A	1851	3	8/10/18	" 10 ton Brown crane not ready for 6 mox. will 15 ton steam locomotive crane in Sept. do? What mach. uses lard oil; unobtainable.
X	23	5-F	8/24/18	" More care should be used in packing machine shop trucks, as parts are broken and some msg
S	105	6-A	9 8/18	" Send list broken parts in P 105 6-A and will replace.
X	77	7	9/16/18	" Mixup in Maj. Allen's letters regarding high speed lathes; is another lathe wanted?
C-X	10	4	9/10/18	" Material requisitioned to supply leakage machine shop truck equipment.
X	134	2	10/ 4/18	" Hold Lt. Dayton until Major Dunn arrives with data on tools and machinery.
S	256	2-E	10/10/18	" Send 1 Reed Prentice lathe.
S	263	1	10/11/18	" Estimated flotations for November.
X	158	16	10/11/18	" Tonnage allotment for November.
S	271	1-F	10/12/18	" High speed lathes ordered.
X	193	8	10/22/18	" Machinery & small tools as need H.P. bombardment factory.
S	346	4	10/25/18	" Advise cancellation hardware & metal supplies; Will ABF want material on 4th estimate?
X	298	8	11/22/18	" Where did 4th estimate originate?
X	276	16	11/15/18	" 4th estimate is for Air Service.
S	559	1	12/ 5/18	" Will not require Req. 4th Est. tools, etc.
X	351	2	12/16/18	" MACHINE SHOPS: How many mach. shop trucks per squadron?
S	678	7	12/23/18	" 2 shop truck units per squadron.
A	336	2	10/29/17	" Amount of trucks ordered; estimated deliv
SD	252	4	11/ 8/17	" Trucks repair both planes & autos; 2 truck per squadron.
A	764	5		" No. per squad; have been ordered.
P	635	4	2/23/17	" 1 mach. shop for each squadn. will be supplied; is this correct?
A	822	4	2/23/18	" 1 mach. shop req. for each service squadn.
A	855	4-D	3/ 3/18	" Wanted for service squadns only.
P	692	2-A	3/ 8/18	" Outline of situation re supplies & accessories; information wanted on same.
P	706	1-B	3/11/18	
A	1025	1	4/ 3/18	

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1119	1-B	4/18/18	<u>MACHINE SHOPS:</u> Packard & Troy trailers & trucks floated.
P	1311	3-B	6/15/18	Will mach. shop trucks be equipped with tools as pr manual?
A	1555	11	6/18/18	" " Small tools will come with mach. shop-trucks.
A	1589	10	6/22/18	" " Estimated dates of mach. shop truck shpmts Will have tools.
P	1390	3	6/29/18	" " Send details mach. shop truck & tools.
A	1667	2-B	7/ 5/18	" " Capt. Waterman coming with details of trucks.
S	30	3-J	8/20/18	" " 15 m.s. trucks recd without tools; 50 more trucks wanted; also send tools for all
X	36	2-A	8/30/18	" " Shpmt. mach shop trucks & tools.
S	105	6	9/ 8/18	" " Cable boat & date-sailing 60 mach. trucks
		6-A		More care should be used in packing, & parts are also missing.
X	73	5	9/14/18	" " Instr. given for more careful packing in trucks
X	77	1	9/16/18	" " 6 Mach. Shop truck bodies released.
X	77	7	9/16/18	" " Send list broken parts in P 105 6A & will replace.
X	85	3	9/19/18	" " 40 Mach. Shop trucks at Newport News.
S	183	9-B	9/26/18	" " Send 5 switchboards for generator sets in machine shop trucks.
S	191	2	9/27/18	" " Machine Shop truck bodies poorly inspected curtains short.
S	196	5	9/28/18	" " List of parts needed to replace broken sets in mach. shop trucks.
X	113	5	9/27/18	" " 25 complete mach. shop trucks shipped; 5 June, 5 July, 15 August.
S	210	5-B	10/ 1/18	" " How many mach. shop truck bodies complete with tool equipment floated?
S	218	7	10/ 3/18	" " X 36-2-A at variance with X 85-3 shpmts. Advise correct status mach. shop trucks.
X	134	2	10/ 4/18	" " Material requisitioned to supply leakage machine shop trucks equipment.
C-S	227	1	10/12/18	" " 10 Mach. shop officers wanted.
X	169	3	10/15/18	" " 60 Mach. shop truck bodies compl ship'd
X	237	3	11/ 3/18	" " 20 Mach. shop trucks sent Oct. 3, 20 more Oct. 9th.
P	657	6-C	3/ 1/18	<u>MAGNALITE:</u> Magnalite unsatisfactory substitute for duralmin for pistons.
P	1153	1	5/20/18	<u>MAGNESIUM:</u> Italy requests speed up magnesium shipments.
A	1404	8-C	5/27/18	" Italian Mission is doing the purchasing.
A	523	3	2/17/17	<u>MACHETOS:</u> Distributors carburetors, materials, etc.
A	54	1	7/25/17	<u>MAHOGANY:</u> Large amount mahogany at Axin, Africa.
P	123	3	8/23/17	" British will take over Africa mahogany; stop sales by British merchants.
A	273	6	10/13/17	" 1,000,000 mahogany purchased; can spare half to French.
A	327	5	10/27/17	" Amount contracted for.
A	461	2	12/ 1/17	" Status orders & shipments.
A	822	5	2/23/18	" Used interchangeably with cherry & walnut; No. of ft. per propeller.
A	823	15	3/ 1/18	" Situation on propeller mahogany
A	924	3	3/16/18	" Date of shipments of.
A	1510	7	6/13/18	<u>MANGANESE:</u> Data on manganese dioxide.

(M) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	343	12	3/ 1/18	<u>MANIFESTS:</u> What is the designation of aviation officer at port of debarkation who receives manifests?
SD	237	3	11/12/17	<u>MAPS:</u> Send maps of lower California.
P	367	8	12/12/17	All maps to be made on metric system.
A	478	15	1/ 6/17	" Relief map California sent by mail.
A	539	11	12/21/17	" Request 40 copies of French.
A	580	6	12/31/17	" Repeats request of A-539-11.
A	640	11	1/17/18	" Wanted by US for instruction use.
P	518	1-C	1/21/18	" Shipped January 10th.
P	524	1-A	1/22/18	" Cartes Aeronautiques 40 have been shipped
P	603	4-A	2/14/18	" Balloon observers maps should be made French system.
P	1571	3-A 3-B	8/ 7/18	" Ship 2000 for foreign built planes to June '19. Increase to 500 for DH-4 accessories.
A	115		8/20/17	<u>MARLIN:</u> U. S. will supply, Marlin, Browning, Lewis.
A	178	2	9/16/17	" Plan of distribution of output.
A	266	3	10/12/17	" Marlin ammu. not designed.
A	369	7	11/ 6/17	" Marlin gun passed synchr. test with Spad & Constantin- esco. Production estimate.
SD	258	2	11/13/17	" Send 10 Marlins for test on Spad.
SD	293	1	12/ 3/17	" British desire 5 Marlins.
A	408	5	11/18/17	" 10 devices for 10 Marlins sent.
A	469	1	12/ 3/17	" Schedule of deliveries to June. Deliveries in US Vickers, Lewis and Marlin aircraft machine guns.
P	513	1-B	1/15/18	" Expert wanted; sailing date.
A	618	7	1/11/18	" Offers sent expert.
		8		" How many needed?
A	683	5	1/25/18	" 2 experts sailing with 2 synchr. guns. 9 shipped
A	692	10		" 5 Marlin Aircraft guns shipped January 21st.
A	703	9	1/28/18	" Details of, as equipped on DH & Bristol.
A	762	8	2/11/18	" Orvlsey & Sevillins Marlin Co. now in Paris; give them opportunity to see all kinds of tests.
A	748	3	2/ 8/18	" 300 at port can be modified if desired.
P	589	5		" Deficiency in shipping can be made up of Marlins.
A	833	31	3/ 1/18	" Complete sets for 1000 planes to be shipped beginning March; will be Marlins added to Vickers already shipped.
P	810	2	3/29/18	" Report of test of Marlin at altitude.
A	984	1-L	3/27/18	" Lt. True coming with 100,000 links; schedule of link shipment to June 1st.
A	999	1-H	3/30/18	"
P	743	5	4/ 4/18	" Development urged of Marlins 11 mm. for tanks.
P	859	6	4/ 6/18	" Report of tests of Marlin.
A	1053	1-E	4/ 7/18	" 1725 being sent April & May 1/2 in each.
A	1080	1-M	4/12/18	" Being sent as synchr. gun; shipment status.
P	894	3	4/12/18	" Has mount been developed to use as free gun
A	1106	3-A	4/16/18	" No mount developed to use as free gun; Lewis meeting this requirement.
A	1135	10	4/19/18	" Shipments week of April 15th.
A	1142	1-A	4/21/18	" 6600 freighted.
A	1196	2-C	4/27/18	" 1500 floated 4/23/ has new rear springs.
P	1003	2-A	4/26/18	" 2000 rounds per gun should be furnished for 11 mm gun.
A	1214	2-C	5/ 2/18	" Flotations for week April 27th.
A	1254	1-B	5/ 6/18	" Shipments for April 2240
A	1261	6-B	5/ 7/18	" Report wanted on serviceability; are front loops being enlarged?
A	1265	1-B	5/ 8/18	" None shipped week of May 4th.
A	1273	5-A	5/ 9/18	" None of those shipped as yet have been worked in; in future all will be worked in.

BINDER LETTER:	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER
A	1314	4	5/16/18	MARLIN: Shipments for week of May 11th.
A	1363	11-B	5/21/18	" Shipments for week of May 18th.
A	1399	1-H	5/26/18	" All are fire 300 rounds before shipping
A	1413	1	5/30/18	" Shipments week of May 25th.
A	1432	5	5/31/18	" Marlin instruction books sent.
A	1450	6	6/ 4/18	" Shipments week of June 1st.
P	1268	3	6/ 8/18	" Details of working in and testing guns
P	1281	7	6/10/18	" 3 Marlin experts wanted.
A	1497	11-A	6/11/18	" Shipments for week of June 8th.
A	1504	1-F	6/12/18	" Data on how they are "run thru".
A	1526	5-B	6/14/18	" Data available at C. C. office.
P	1305	2	6/14/18	" Unsatisfactory points of armement on DH with changes suggested.
A	1548	8	6/17/18	" Shipments week June 15th.
P	1343	1	6/19/18	" Requirements ammunition for July '18 to Mch '19
A	1564	1-B	6/19/18	" 3 men being sent to Fairfield; then AEF as Marlin instructors.
P	1353	6	6/22/18	" 1500 books wanted on armement; Marlin & Browng
A	1573	3-A	6/20/18	" Steps taken to remedy armement on DH-4
A	1585	5-C	6/21/18	" Are trigger attachments Spad required with containers?
P	1371	3-C	6/25/18	" Cost of Marlin wanted; may sell some to Italy
A	1601	8-H	6/25/18	" No report of test Marlin received.
A	1602	9	6/25/18	" Shipments Marlins week June 22nd.
P	1389	2-C	6/28/18	" Marlin spare parts needed.
A	1617	10	6/27/18	" Improvements to overcome defects being made.
A	1634	1-J	6/29/18	" Marlin pamphlets sent.
P	1407	3	7/ 3/18	" Reports Marlin tests being sent.
A	1653	2	7/ 3/18	" Shipments in June.
A	1662	1-4	7/ 4/18	" Answering defects in DH planes.
P	1424	10-A	7/ 7/18	" Ship Spad triggers for Marlins.
A	1692	11-A	7/11/18	" Shipments for week July 6th.
A	1696	1-B	7/11/18	" 1st 2300 Marlin have old top lock; next 15,000 new top lock.
A	1720	11	7/16/18	" Spares for 5000 Marlins shipped.
		11-B		" Shipments for week July 13th.
		11-C		" Do orders apply to P-1350 1-C?
A	1733	9	7/18/18	" Mach. gun situation in US.
A	1741	13-E	7/19/18	" Trouble with Marlin; file off receiver to let bullets pass.
A	1762	15	7/23/18	" Shipments week July 20th.
P	1505	6	7/24/18	" Do not mat purple band.
A	1770	1-N	7/25/18	" Prices of Marlin and spares.
P	1524	30	7/29/18	" Send no. CC for Marlins.
P	1809	2	8/ 3/18	" 75 Marlin & Lewis kits ready.
		2-A		" Marlins now being tested.
C-P	98	2	8/ 5/18	" Charts and books wanted.
A	1812	12	8/ 5/18	" Necessary to ship Marlin with CC gears.
P	1560	3	8/ 6/18	" C.C. gears being repaired.
		3-C		" Marlin links tempered too soft.
P	1564	6	8/ 5/18	" Give Marlins with trigger motors preference
		6-B		" Request careful allocation right hand Marlin on DH.
A	1816	7-F	8/ 7/18	" Shipments for week of August 3rd.
		7-H		" Shall provisions for heating be discontinued
A	1826	1-G	8/ 9/18	" Data wanted on new Cowl machine gun mount.
A	1839	6	8/12/18	" Sending experts to investigate difficulties with

(M) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
S	1	2	8/ 9/18	<u>MARLIN:</u> When can 1000 each Vickers, Marlin, Lewis heaters be sent?
X	3	2	8/14/18	" Shipments for week of August 10th.
		4		Will send working drawings of Lewis & Marlin.
		2-B		Right hand Marlin will be correctly located on DH-4
C-P	98	2	8/ 6/18	" 100 sets charts wanted by Information Section.
S	17	5	8/16/18	" Heaters should be provided for Marlin & Lewis
X	6	1	8/16/18	" 1000 heaters for Marlin being ordered.
X	10	3	8/17/18	" Flotations from NY & Pt. Royal; none o.h.
S	21	5-B	8/18/18	" Advise deliveries; schedule has not been met.
S	23	1	8/19/18	" Total rec'd & revised rqrmts; cannot catch up with program until January 1st.
		2		Speed up adapters, sights, tripods, mounts, etc.
S	30	2	8/20/18	" Supply heaters for Marlin, Lewis & Vickers.
X	14	1-K	8/20/18	" Data on orders and deliveries.
X	16	3-A	8/21/18	" Links being inspected more closely.
X	25	1	8/24/18	" All guns shipped Av. Sup. Depot; none mounted on planes; data on trigger motors, etc.
X	27	2	8/27/18	" Heaters will be sent.
X	30	7	8/27/18	" Shipments week of August 24th.
S	58	6	8/28/18	" Rush shipment 2000 release escapement for.
S	60	3-E	8/29/18	" What boat were gauges for Marlin & Lewis sent.
		3-G		Frankford arsenal 30 cal. amm. not inspected
S	91	2-A	9/ 5/18	" Steel adapters are same as Marlin Trigmotors
X	45	3	9/ 4/18	" Shipments week of August 31st.
X	66	6-F	9/12/18	" Insufficient supply of A-1 if all are tested
X	61	6	9/11/18	" Shipments week of September 7th.
X	62	1-E	9/10/18	" Shipments of gauges.
X	64	1-F	9/11/18	" 57 Jam Reducers ordered;
		1-G		Data on Cygnet mounts for Air Service.
X	69	4-G	9/13/18	" 162 heaters ordered for Marlin, Vickers & Lewis.
X	85	5	9/19/18	" Estimated factory production, Browning, Marlin, Vickers, Lewis August to March.
A	1985	7-A	9/26/18	" 2 Lts. ordered to France to demonstrate Marlin & tank guns.
C-X	9	12	9/ 7/18	" Charts in 3 weeks.
S	201	1	9/30/18	" Ship 100 heaters for Marlin, Vickers & Lewis.
C-X	11	6	9/10/18	" Estimate of A.S. tonnage available October.
S	232	2	10/ 7/18	" Discontinue shipping spare barrels.
X	154	10	10/11/18	" 18 volt heaters to have priority over others
S	310	2	10/18/18	" Send 1000 16-volt gun heaters for Marlin.
A	2097	17	10/24/18	" Request confirmation that pilots find Marlin unsatisfactory.
S	395	4	11/ 2/18	" No complaints from pilots on Marlin; difficulties at front due to unfamiliarity.
X	228	5	10/31/18	" Gun heaters floated October.
A	822	10	2/23/18	<u>MARMON:</u> Will soon produce Liberty engines.
A	1088	Con.	4/13/18	" Will deliver Liberty engines in April.
X	72	2	9/13/18	" Production Liberty engines for August.
SD	295	7-B	10/16/18	" Landing cables on boxes for Liberty-too weak.
X	200	12	10/24/18	" Landing cables being corrected.
X	239	7	11/ 4/18	" Working on wind driven pump for H-4 gas.
P	1057	Con.	5/ 5/18	<u>MARSEILLES:</u> Hereafter some ships ought to be diverted to Marseilles; data on convoy, etc.
A	1266	Con.	5/ 9/18	" War Department will utilize Marseilles.
SD	183	9	9/26/17	<u>MARTEL:</u> Send 2 sets Martel reamers for Lib. & Hispanao.
X	153	2	10/10/18	" Will send reamers for Lib; send specifications for reamer for Hispano.
X	221	7	10/30/18	" 2 sets Martel reamers floated October for Liberty.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	2007	3	10/ 2/18	<u>MARTIN:</u> Performance test of Caproni: with 3 Lib. & Glenn Martin bomber.
A	2053	1	10/14/18	" Results of tests & comparison Caproni, Martin & Handley Page; recommend adoption Martin as bombing plane.
SD	13	5-C	10/19/17	" Not sufficient figures given in A2007 to settle merits of Martin & Caproni planes.
X	219	7	10/29/18	" Results test with 2 Liberties.
SD	415	5-B	11/ 6/18	" AEF takes no responsibility in adoption of Martin as night bombers before tested on front.
X	274	13	11/14/18	" Are samples Martin & USD-9-A wanted now?
S	455	3	11/15/18	" Prints received for Martin gun machine; is this Martin bomber? How about bomb layout?
C-X	64	4-A	11/26/18	" Martin gun machine & bomber is same
A	161	4	9/ 8/17	<u>MARTINSYDE:</u> Latest sample & tests wanted.
A	201	5	9/22/17	" Send Martinsyde factory man with prints.
P	163	2-5	9/16/17	" Report of test with Rolls Royce.
P	168	5	9/19/17	" Drawings incomplete; available 3 months. Record climb with Rolls Royce.
P	204	2	10/ 5/17	" Status & recommendations for production.
P	220	1-A	10/15/17	" Still experimental; ready in three months.
P	913	1-F	4/14/18	" Being sent to US as single seater fighter; uses Rolls Royce engine or Lorr. Deitrich.
P	916	9-A	4/15/18	" Being sent to US for Liberty 8 engine.
P	958	2-D	4/20/18	" Was built for Falcon.
A	1399	1-D	5/26/18	" Has single seater been shipped?
P	1204	2-D	5/28/18	" Awaiting action of board before shipping to US
P	1229	6	6/ 2/18	" Will use Hispano 300 engine.
P	1249	1-E	6/ 5/18	" Awaiting action of board before shipping sample
A	1709	1-B	7/13/18	" Sample wanted.
P	1520	3-C	7/27/18	" 1 expected August ; 3 ordered.
X	48	6-A	9/ 5/18	" Sample not received.
S	161	2-E	9/21/18	" All orders cancelled 8/15/
X	111	5	9/27/18	" Send drawings Hispano mounted on Bristol & Hispano spark plug tests & Hispano Martyné side.
A	1051	2-D	4/ 7/18	<u>MATCHES:</u> How many boxes of wind matches wanted?
A	10	1	7/11/17	<u>MATERIAL:</u> Arranging meeting with Singer Sewing Machine Co re: standardization airplane bolts, etc.
A	28	1	7/ 9/17	" Material & 200 enl. men will leave shortly for constr. Aviation School in France.
A	35	2	7/15/17	" Material for school leaving this week.
A	40	1	7/20/17	" Question of supply of steel, copper, forging, etc. being taken up.
A	48	3	7/23/17	" 7 miles rails, etc. on way to France.
A	48	1	7/23/17	" Can furnish 600 tons special steel; 75 tons aluminum.
SD	3	1	6/26/17	" Has material for school left for France?
SD	49	1	7/ 6/17	" Very important we supply materials to allies; aircraft mat. should be given priority in sea transportation; we must have planes over here before our production starts.
P	37	2	7/11/17	" French need 600 tons special steel 50 tons aluminum alloy, etc. monthly for production of Hispano Suiza engines.
P	46	2	7/16/17	" We must furnish allies with necess. raw material for our own needs and theirs.
P	46	2	7/16/17	" English needs are Spruce; crankshafts, ball bearings, training engines.
P	46	3	7/16/17	" Tardieu has data on French needs.

(1) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	47	2	7/17/17	<u>MATERIAL:</u> French offer to furnish 1500 Breguet bombers with Renault 600 h.p. engine & 2000 Spads or Mieuports with 160 h.p. Gnome, -we to furnish crankshafts & replace raw materials.
A	65	3 8	7/29/17	" What material is Lyster bringing with him? Construction material for 2 sqdns. less lumber has left; lack cargo space.
P	145	5	9/ 7/17	" Establishment of automatic supply & 90 reserve stock of material.
P	2	2-2 2-3	9/12/17	" When will raw material arrive. No need to sell material to French; US to pay and hold against French till final contracts.
SD	178		9/25/17	" Consign all tools and materials for foreign orders to Bolling.
A	161	5	9/ 8/17	" Arranging for raw material for French. Trouble with arranging sale to French.
A	174	6-1	9/15/17	" What lumber & material does Lyster want?
P	163	4-2	9/16/17	" Consign tools & machinery for French to Bolling.
P		5		" British will supply tonnage for raw material for 80 LeRhons.
P	179	5	9/24/17	" Mark & check carefully list " F" for French; important.
P	184	1	9/26/17	" Diffin has complete data on raw materials for Italian engines.
P	192	3	9/30/17	" French need 50,000 meters gold beater skin.
SD	193	10	10/ 9/17	" Give all material list F distinctive number
A	254	5	10/13/17	" Gold beaters' skin supply exhausted
A	273	1 8	10/13/17	" 75% material for French will be shipped Dec. 15 Special markings proposed; can U. S. deliver to addressee.
A	289	9	10/17/17	" Gold beaters' skins will be supplied.
A	302	11	10/19/17	" All material must be purchased thru Purchase & Supply Section; reason for delay Kodak equipmt.
A	306	4	10/22/17	" Govt. to control gold beaters skin; what ply wtd?
SD	217	1	10/22/17	" Mail list each week of JGWhite material ordered & cable when shipped.
SD	221		10/23/17	" Bolling prepared to distribute all material to destination.
SD	240	2	11/ 5/17	" Insp. Gen. recommends A.S. have detachment at ports to oversee loading.
SD	248	5	11/ 6/17	" Italy will have to cease prod. in 60 days if materials not received; exp edito.
SD	259	3	11/13/17	" French will furnish Bessonneau hangers if US will send materials.
SD	261		11/14/17	" Amts. & sizes gold beaters skins wanted.
SD	281	2	11/24/17	" Directions for making JGWhite material
SD	287		11/29/17	" Being received damaged; recommendations for packg.
SD	299	1	12/ 7/17	" Italy shops shutting down on account of lack of material and steel; expedite.
A	380	7 13	11/10/17	" Cable lists of Breguet materials. Investigate damage to Air Service material; officer placed at ports.
A	402	10	11/15/17	" Corrections to Ocumpaugh lists.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	373	12	11/ 9/17	MATERIAL: Castor Oil requirements
		1		Dope
		3		Gas and Oil.
A	380	5	11/11/17	" Gas.
		13		Damage to.
A	389	7	11/14/17	" Gas
		8		Castor oil estimate.
		9		Gas.
A	403	1	11/17/17	" Railroad tracks.
		3		" Cellos varnish.
A	407	1	11/17/17	" Spruce production
A	408	3	11/18/17	" Non-freezing liquids.
A	415	6	11/26/17	" Gas and Oil.
A	427	7	11/23/17	" Gas
A	430	2	11/23/17	" Walnut, oak, birch, cherry, mahogany, for propellers
A	481	5	12/ 7/17	" Gold beaters' skins 8-10-24 at 20¢
A	432	1	12/23/17	" Heald grinders.
		10		Naptha
A	438	10	12/26/17	" Spruce.
A	449	2	11/29/17	" Castor oil and naptha.
A	455	12	11/29/17	" Silicon.
A	461	2	12/ 1/17	" Oak, mahogany, walnut, cherry, birch, propellers wood.
A	517	1	12/ 6/17	" Structural steel.
A	518	13	12/13/17	" Gas and lumber.
A	523	2	12/17/17	" LeRhone forgings.
A	534	1	12/18/17	" Oxygen apparatus.
A	523	3	12/17/17	" Forgings.
A	540	1	12/21/17	" Alcohol and dope.
A	559	1	12/26/17	" Dope
A	565	1	12/26/17	" Solvents for dope.
P	389	2-C	12/14/17	" Orders on material and machinery.
		2-E		Cordage.
A	570	11	12/29/17	" Fir production
		12		Douglas fir.
		14		Sawmill for spruce and fir.
A	580	1	12/31/17	" Cold drawn steel.
A	585	2	1/ 1/18	" Poplar, spruce, walnut, amounts ordered & shipped
A	602	2	1/ 6/18	" Priority question.
		3		Steel sheets.
A	608	1	1/ 8/18	" Walnut supply.
		5		Dope
A	640	1	1/17/18	" Spruce
		2		Walnut estimate.
P	386	4-B	12/12/17	" Oxygen apparatus, licensed fees profit allowed by law, royalties.
P	403	5-C	12/21/17	" Packing problems
		5-D		Cranks shafts and rods.
P	410	8-A	12/23/17	" Material for clothes should accompany units.
		8-I		Tungston steel bars.
P	420	8-A	12/28/17	" Fuel capacities.
P	421	6-B	12/28/17	" Cran case
		6-D		Telephone conductor.
		6-E		Austin buildings.
P	422	1-C	12/21/17	" Austin buildings.
		1-D		Caproni materials.
P	424	2-A	12/29/17	" Rifles & Bullets require of number
		5		Spruce, fir requirements.
		5-A		" Walnut supply
		5-D		" Gold beaters' skin
		5-F		" Ball bearings
		5-E		" Spark plugs

(11) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	424	5-G	12/29/17	MATERIAL: Brass tubing.
A	615	2	1/10/18	No photography material shipped.
P	382	2	12/15/17	" Sample of steel wanted.
P	402	5	12/20/17	" Figures wanted on Spad lumber contract.
P	527	1	1/24/18	" Steel billets required 750 tons
		1-A		Propeller wood.
		6		Actual shipment dates of propeller wood wantd As yet, none received.
A	675	1	1/24/18	" Data wanted on use of castor oil, & names of unsatisfactory mineral oils.
A	683	2	1/25/18	" If data on Rateau turbine steel is sent will duplicate order.
A	688	4	1/26/18	" Humidity in storage houses must be regulated to preserve propeller wood; Fletcher has sub stitute for line.
P	540	6-D	1/26/18	" Dates & names of quantities of shipments of JGWhite material prior to November wanted
A	701	11	1/27/18	" Amount of oak and mahogany shipped; amount. waiting shipment.
		12		Amount of mahogany to be shipped for French Jan. Feb. More orders being placed.
P	410	8-I	1/23/18	" 2 steel bars for Rateau turbine not recd.
P	421	6-B	12/28/17	" Crank case forgings to be shipped without boring.
A	518	16	12/13/17	" Tanker en route Bordeaux 3000,000 gallons gasoline, 20,000 feet lumber.
A	523	2	12/17/17	" LeRhone fusings shipments Dec. & Jan. request information.
		3		Material for 1000 LeRhone forgings rough bore crank case forgings magnetos distribut ors & carburetors, etc.
A	478	12	12/ 4/17	" Strap-iron binding.
A	493	3	12/ 9/17	" Airplane motors, tools, etc. purchases should be made thru Allies Purchase Commission which consists of War. Ind. Board of CNF Treasury Department.
A	495	5	12/10/17	" Can ship 500 Austin shapes at once.
A	498	15	12/10/17	" Can be procured from Spain.
P	568	21	2/ 3/18	" Estimate of requirements of gas based on lat est program, -January to June.
P	574	4-A	2/ 6/18	" Rateau turbine steel bars found; cancel order
A	730	12	2/ 3/18	" 3 months drying process for wood is too long more information wanted.
P	575	2-E	2/ 8/18	" British cannot furnish axles; data on speci fications & tests of steel.
A	748	1	2/ 8/18	" Data on steel sheets and tubing available.
P	589	6-A	2/11/18	" Specifications for quality of gas; better quality needed to meet enemy equivalent new specifications given.
P	597	2-A	2/ 2/18	" Correction of estimate of June P-568- 21.
		2-B		What has been done with 1000 LeRhone forgings urgently needed by British? Report on ball bearings requested? LeRhone is out of mater ial.
P	610	1	2/16/18	" Report on present supply of wood in France and immediate needs.
		1-A		None arrival caused shortage in production of planes; expedite shipment.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	523	2	1/21/18	MATERIAL: Estimated requirements Feb. June, 1918
A	505	4	12/11/17	Oils for Air Service.
P	598	8-A	2/14/18	" Material order for Gnome already cancelled
P	600	4	2/14/18	" List should be sent on each steamer to avoid congestion.
A	777	4	2/14/18	" 4 cases Brills, 4 cases Borers, & soft copper shipped without forwarding address
A	495	2		" For assembly plant in England, for H.P. & C. planes.
		9		" Equipment material data wanted to close options
A	501	2	12/12/17	" Shipment of all sorts of material, tools, etc. for aviation.
A	504	4-A	12/12/17	" 10,000 Cows Hispano Suiza engines 220 White contracts.
A	530	14	12/20/17	" All kinds shipped.
A	540	1	12/21/17	" JG White & Co. guiding marks J-jig saw for wood and metal.
		6		" Can furnish steel 540x100; does AEF want them?
A	703	8	1/28/18	" Anglo Amer. conference to be held shortly Amer. Engineers sailing; Army Eng. should attend; will attempt to standardize Aircraft material.
A	716	4	1/30/18	" Changes in; delivery of supplies cut 50% delivery one month later.
P	568	2-B	2/ 3/18	" Sizes and amounts of steel bars wanted for turbine.
A	719	4	1/31/18	" Fletcher advises buying 200,000 yds. fabric; gray cloth, provided shipment Mar. 15th; can it be done?
P	600	4	2/14/18	" List should be sent on each steamer to avoid congestion.
P	602	4-B	2/14/18	" British might supply gray cloth by Mch 15
A	552	1	2/23/18	" Shall allocation of spruce be made by Gen. Pershing as InterAllied Council, contracts held up.
A	570	1	12/29/17	" White lead contract promises 13 m. lbs. More shipped January and February.
A	549	3	12/21/17	" Transportation and workmen for Italy; Cable decision of Aircraft Board Re: priority.
A	552	6	12/23/17	" Aerial supplies and photographic.
A	565	9	12/26/18	" Shipment of supplies.
A	570	9	12/29/17	" Requirements in excess of production of spruce cable adjustment of allocation & Douglas fir.
		10		" Spruce prod. for 6 mo. sent by messenger. French, English and Italian requirements.
A	575	1	12/30/17	" All purchases of material to be laid before Washington Aircraft Board.
A	543	2	12/23/17	" McCormick disclaims knowledge of order 500 forgings.
A	570	13	12/29/17	" Spruce contract with English War Mission when allocation is made.
A	703	2	1/28/18	" All shipments after 1/1 in accord with Jan. Manual.
		7		" Order placed with M. A. Leese, Wash. D.C. for photo material; details later.

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BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	791	8	2/16/18	MATERIAL: Lists being prepared now.
A	808	1	2/19/18	No JGWhite material shipped prior to 11/1
A	812	5	2/19/18	Lists will be sent on each steamer of all JGWhite material on it.
P	633	7-F	2/21/18	French will want balloon fabric from US thru Tardieu.
A	828	3	2/25/18	What grade iron, copper, zinc wanted for LeR?
P	651	2-A	2/26/18	Copies of purchase orders should be mailed to CAS; not CSO.
A	761	1-C	2/11/18	Terms to be used in describing shipments.
A	830	2	2/27/18	250,000 ft. spruce shipped to France- 1,000,000 ready at Galveston; 500,000 ft. fir ready at Baltimore.
A	833	5	3/ 1/18	Data on tonnage ordered, ready and shipped.
		6		50% below standards, tubing & steel sheets.
		7		Low standard steel sheet & tubing a/c no heat treating facilities; can French heat treat?
A	843	10	3/ 1/18	Should steel tubes & sheet be shipped as is? Tardieu Mission will be consulted concerning future needs of French for Balloon material.
P	669	5	3/ 3/18	Air Service should have record of property shipped on each boat, sent in sealed envelope
P	675	3-E	3/ 4/18	What lists are referred to in A-791, p.8?
A	871	2	3/ 7/18	French arranged for spruce at Galveston; fir at Baltimore will be loaded; JGWhite will load in March.
P	691	2-D	3/ 7/18	Officers should not be accountable for after-deliveries to carriers & list should be made out as a basis of returns.
		7-A		Pig iron satisfactory; tin can be procured here
A	883	4-B	3/ 8/18	No decision from French re providing balloon matter.
A	893	2-A	3/11/18	Condensed monthly report of Air Service needs should be sent by mail.
A	909	6	3/14/18	Status & location of 1000 sets LeRhône forgings
P	728	2	3/14/18	Allocation to Italy should not begin until mat. on original purchases now at ports is shipped. Mat. badly needed for production.
A	924	3	3/16/18	Data on shipments walnut, oak and mahogany.
P	741	3-A	3/17/18	Steel sheets & tubing 50% below phys. reqs. should be rejected as mat. should approx. near requirements.
P	742	7-I	3/17/18	White castings urgently needed.
A	933	1-B	3/17/18	Lists mentioned in A791 refer LeRhône forgings
		11		More data on status LeRhône forgings shipmt. Supply lists to be sent addressed to officers at port of debarkation.
A	959	2	3/21/18	Wood not affected by allocations; would advise Italy use same grade spruce as England & France; allocations of supplies only cover material to be freighted hereafter.
A	970	1	3/23/18	90% LeRhône forgings floated; who will pay for these forgings and raw material to follow?
P	776	1-E	3/23/18	French desire to know approximate price pro poller wood.
P	786	4-C	3/27/18	Who is to pay for material shipped by French to their Mission in US? No way of checking in France as goods do not come in our possession

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	974	1-D 1-H	3/24/18	MATERIAL: Status of order 1108 JGWhite. Allocation not responsible for delay in material shipments to Italy; lack of tonnage.
A	975	8-ABC	3/25/18	" Officers will file lists of property sent overseas & drop their accblty as per P691 2-D
A	993	1-F	3/29/18	" JGWhite will ship tubing & sheets as French Mission states can be reannealed France.
P	830	1-C	4/ 1/18	" As soon as contract with French is complete instr. will be issued for payment of LeRhor forgings and other material.
A	1016	1-D	4/ 1/18	" 132 tons hub steel ordered from U.A.I.St.Co. 35 tons bolt steel ordered from UN.D.Stee Co. names & address of consignees wanted.
A	1067	2-B	4/ 9/18	" US has no bills of goods ordered by French Mission; French Mission will supply them.
P	886	5	4/11/18	" Record of all unfiled requisitions wanted monthly of all equipment not aviation.
P	904	Conf.	4/12/18	" Priority of mat. shipments must be kept up for England, France and Italy.
A	1140	5	4/20/18	" Oregon pine floated for French Government.
A	1157	3	4/24/18	" JGWhite contract for Gnome parts cancelled; checking up salvage; French should start losses.
A	1223	2-A	5/ 2/18	" Material on req. 1551 being expedited.
A	1429		5/31/18	" New Board of Purchases formed to combine supplies.
A	1443	4	6/ 2/18	" Instr. being prepared on packing lists;
P	1277	1	6/ 9/18	" Allies request allocation pyroligencous products separate for aviation from explosives.
A	1486	3	6/ 9/18	" Accountability of material transferred from England to France.
P	1188	1-ABCDEF	5/25/18	" Directions for making of contracts involving replacements for material.
P	1303	1-A	6/14/18	" Payment for material contracted for by Fr. Mission should be made in US.
P	1322	4-A	6/17/18	" Engine testing retarding work; ship material list G. Jenkins wanted.
A	1546	3	6/17/18	" Material will go forward for APC#2. Lumber kilns floated.
A	1621	1-B	6/28/18	" Send all bills for French material to US.
P	1408	6-A	7/ 3/18	" 5 materiel officers for supply wanted.
P	1413	10-A	7/ 4/18	" Consult Col. Spalding re: Aviation supplies
P	1491	12	7/20/18	" Bills for mat. bought by French will be sent
P	1539	8-A	7/31/18	" Cable what tonnage available for Sept; priority.
P	1581	4	8/10/18	" Float at once 10,000 ft. shock absorber cor
A	1811	8-H	8/ 5/18	" Shipping instructions mat. 8/10.
S	21	1-AB	8/18/18	" Difficulties with shipping priorities. Oct. tentative & Sept. revised schedule.
C-A	11	2	8/22/18	" List of hardware & instruments released.
S	117	1-A	9/11/18	" Foundry & heat treating equipment needed for APC#2.
S	144	4	9/17/18	" Details list "S" not available.
S	164	1	9/22/18	" Definition of matters of engineering & assembly needed to order intelligently thru Purchase Board.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
X	92	7	9/23/18	MATERIAL: Recommendations on raw material received. List of shipments soon.
X	128	3	10/ 2/18	" Info. on engineering & special assembly to go direct to bureaus concerned.
S	235	5	10/ 7/18	" Contract of May 3 cancelled Aug. 30 & former ones but material still needed.
S	237	3-A	10/ 8/18	" Steel, iron & roofing as needed by Ordnance
S	306	6	10/18/18	" Campbell list not identified; send copy.
C-X	27	2	10/29/18	" Lists of numbers of orders released for Purchase brought by Capt. Murray.
X	201	2	10/24/18	" Re: mixup in Campbell material letters
S	369	4-B	10/29/18	" Requirements squdn mat. sent by Mj. Brett, not Colonel Woods.
S	374	6-A	10/30/18	" Steel-tubes as needed by French as per conference between Ryan and Loucheur.
S	376	4-A 4-B	10/30/18	" Requisition #2 will be known as "A" Re mixup in Horner's & Campbell's letters; recommend White be given "A" contract;
X	262	4-C Con.	11/11/18	" Ship list "M" in addition to "A" when possible What are recommendations for shipping in view of armistice? 800,000 tons available.
S	456	1	11/15/18	" Cancel all construction mat. Itemized cancellations follow.
S	477	1	11/20/18	" Ship only what is called for specifically.
C-X	48	1	11/ 2/18	" Re: Campbell letter telling him to ship mat. thru JGWhite Corporation.
C-X	59	1-8	11/18/18	" Reasons for mixup in shipments to APC#2.
C-X	63	1	11/23/18	" Are further reports on tonnage & production wanted by cable?
X	337	3	12/ 6/18	" Ship no more material back for 30 days in order to clear ports.
X	339	1-F	12/ 7/18	" No cancellation on large items hardware recd. Needed in order to avoid large losses to US.
S	578	5	12/14/18	" Cancel hardware & metal supplies.
X	351	1-A	12/13/18	" Instr. & regulations re packing supplies being collected.
X	343	12	12/10/18	" Method and marking for shipping to United States
X	276	16	11/15/18	" Will AEF want mat. on 4th Est. 4400 tons
S	559	1	12/ 5/18	" Where did 4th Est. originate?
X	351	2	12/16/18	" 4th Est. is for Air Service.
X	371	Con.	12/22/18	" Details of contract settlements being considered; will not accept 5% salvage.
X	373	3	12/23/18	" Classes under which cargoes will be reported to US each service.
A	2292	2	12/ 7/18	" Authority given C.G. to sell War Supplies which are not needed.
S	750	2-F	1/ 4/18	" Re: Ord. QM and AS tangled orders.
A	590		12/ /17	MAYBACH Directed to ship.
P	502	3-C	12/ /17	" Can obtain shortly.
P	799	1-F	3/28/17	MCINTYRE: Investigation wanted on McIntyre automatic photo printer.
A	1062	1-B	4/ 8/17	" Investigation of McIntyre printer being made
A	1162	1-A	4/24/18	" Data on constr. of McIntyre printer.
P	1102	2	5/13/18	" McIntyre printers wanted for service here.
P	1470	7-A	7/16/18	" When were McIntyre printers shipped?
A	1762	15-A	7/23/18	" No McIntyre printers available until October.
P	1532	5	7/29/18	" Send standard printers until McIntyres in production; send 1 McIntyre for test.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1809	2-B	8/ 3/18	MCINTYRE: 4 roady September 1st; can American printers be used?
P	1	6-A	8/ 9/17	" Will use French printers while waiting for McIntyre.
P	339	3	12/ /17	MEDICAL DEPARTMENT: Ambulance repair personnel is not part of.
A	1366	3	5/22/18	" " Is medical bd. wanted for classification of pilots?
P	1224	7-B	6/ 1/18	" " Send Medical Board for examining cadets.
P	1260	3	6/ 7/18	" " 10 Med. officers wanted for training in Engl
A	1515	4-B	6/13/18	" " 10 Med. officers coming for training in Engl
X	219	5	10/29/18	" " 2 branch research laboratories ready; send priority.
P	1887	3	11/11/18	" " Send reasarch laboratories A 1208-K.
A	40	10 13	7/20/17	MECHANICS: 600 mechanics at NY ready to go across Expect to have 600 mechanics per month at Juneau, Alaska.
SD	6	1	6/26/17	" Send 800 mechanics per month until schedule of training in France is met.
SD	17	1	6/28/17	" Find it necessary to assign some England.
A	87	1	8/ 8/17	" French request 1000 additional mechanics to release French mechanics.
P	78	108-4	8/ 7/17	" Where are 2500 mechanics? arrangements provided; French dissatisfied.
P	93	4	8/12/17	" Recommend send 1000 additional for French if it will not interfere with program.
P	106	122	8/17/17	" Mechanics families destitute due not receiving allotments.
P	110	2	8/18/17	" Machines & instructors here but no mechanics Send 150 at once for Issoudun.
P	123	4	8/23/17	" Send program of arrival in France to July 1
A	10	3	7/11/17	" Program pilots & mechanics approved.
SD	133	D	9/28/17	" England offers to train 2000 mechanics; half on wood & half on metal; send them.
A	119	7	8/24/17	" Payments to families not yet authorized.
A	146	2	9/ 2/17	" Organize 2000 mechanics into 12 squads for England.
A	159	4	9/ 6/17	" Send names of those returning & when last paid.
P	163	2-3	9/16/17	" Names of those returning to the United States
P	179	13	9/24/17	" Plan to send 16,000 mechanics to France to replace French auto mechanics to work on airplanes.
P	211	11-ABC	10/10/17	" Demand for 16,000 mechanics for France reduced to 12,000; French will provide tonnage if speed limit is reduced; send as MT battalions.
A	295	1	10/18/17	" 5000 skilled men assigned to A.S. from draft 15,000 more listed.
A	291	12	10/15/17	" Request for 12,000 approved & they will be send; cannot reduce speed of troopships.
P	278	11	11/ 9/17	" Send 300 of 12,000 mechanics for French Nov aboid delay.
P	290	12-C	11/18/17	" Confusion between requests for mechanics for French and for Air Service.
A	421	8	11/23/17	" No oath of office required from British civilian mechanics.
A	428	1	11/23/17	" Propose American personnel be sent Engl. for mech. trainings, transfer later to France.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	475	1-1A	12/ 4/17	MECHANICS: 1st 3000 mechanics ready Dec. 15th; No confusion between mechanics for Air Svc. & for French.
P	345	1	12/ 6/17	" Agreement to train 15,000 in England
P	62	4	7/26/17	" Request 20 chauffeurs mechanics for Hqtrs.
P	345	1	12/ 6/17	" British will train 15,000 there at all times
P	346	3	12/ 6/17	" Recommend a training school
P	367	1	12/ 8/17	" Recommend a board to pass on qualifications of
A	475	1	12/ 4/17	" Increase in salary requested for civilians
		1-A		" 3000 for service with French sail about 12/15
P	478	4-A	1/12/17	" 12,000 auto mech. req. for French service.
A	523	9	12/17/17	" 13 sailed with Capt. D'Annunzio, 1/5/
				" Mechanics training school established for
				" 1800 per month; 300 men are specializing in
				" factories; 125 each kind engine wanted for
				" experimental work.
				" 3 leave US for Liberty engine as experts.
A	597	7	1/ 4/17	" Civilians granted increase.
P	633	2	2/22/18	" What is program for instr. mech. on Liberty
				" & sending motors for training them.
A	820	14	2/22/18	" 2nd Regt. is one of those called for in P-211
				" p.11.
P	611	1-D	2/17/18	" For what duty is 4th Regt. organized? What
				" branch of Service.
P	692	2	3/ 8/18	" All squadns. should be sent to England as per
				" agreement to maintain 15,000 mechs. there
A	924	1	3/16/18	" 49 officers being specially trained for motor
				" mecs. regt. for production center #2.
				" Is it desired to use them?
A	986	1-B	3/28/18	" Info. regarding training of mechanics in
				" England wanted.
A	1220	1-A	5/ 2/18	" Data on armament officers & other personnel
				" to be sent.
P	1032	4	5/ 2/18	" What squadns. have taken mechanics' training
				" course?
A	1318	1-B	5/15/18	" Nos. of Squadns. who have taken mech. trng.
				" course.
P	1131	1-K	5/17/18	" What squadns. have taken mech's course?
A	1399	1-C	5/26/18	" Suggest replacements be sent to England &
				" AEF draw from there for req. in France
P	1209	2-J	5/29/18	" Approve plan to send all mech. to England &
				" draw from there.
P	1241	6-A	6/ 3/18	" What radio mech. & operators are available?
P	1260	8-B	6/ 7/18	" Lib. experts should be sent to France direct
A	1504	1	6/12/18	" Data on radio personnel which can be furnishd
P	1267	2	6/ 8/18	" Personnel requested shipped for June & July.
A	1569	3-F	6/20/18	" Endeavoring to arrange transport of.
A	1672	10	7/ 6/18	" 1120 men to Engl. completing 15,000 agreemt.
A	1759	6	7/22/18	" Lib. mechs. ordered to France.
A	1045	Con.	4/ 6/18	" Agreement to keep 15,000 men in England con-
				" flicts with priority agreement; how many in
				" England now?
A	1955	11	9/18/18	" 41 Lib. mechs. diverted from original 100 for
				" AEF; will replace.
A	1959	6	9/19/18	" Is rotary motor being discontinued? Shoulder
				" mechs. training be stopped?
P	1727	7	9/27/18	" Can mechs. be supplied to fit program?
S	191	2-B	9/27/18	" Rotary motors still in use; specialize on Lib
				" & Hispano for mechanics.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
S	110	2	9/26/18	<u>MCHANICS:</u> Electricians trained on telephone work. Separate course for ignition men; change classification.
C-P	198	Con.	9/28/18	" Item numbers & summary personnel for Dec. program.
A	2017	6	10/ 6/18	" 38 Lib. mechs. sent Aug. replacements-Can they be distinguished without names?
S	273	9-C	10/12/18	" Lib. mechs. cannot be distinguished without names.
X	173	1	10/21/18	" Names of Lib. mechs. coming by courier.
A	2095	11	10/23/18	" Cannot supply more mechs.; must draw from overseas & will send replacements; have Col. Woods get figures of mechs. needed.
C-A	40	1	10/15/18	" Names of Lib. experts sent over.
S	434	6-A	11/ 9/18	" Attempting to locate Liberty experts.
P	146	3-2	9/ 7/17	<u>MERCEDES:</u> Mercedes German Benz & 1 Mercedes shipped.
A	590	2	12/ /17	" Directed to ship; also 1499 h.p. Rumpier.
S	33	3-G	8/21/17	<u>METAL:</u> Should metal list be increased?
C-P	90	1	8/ 3/18	<u>METALLURGY:</u> Capt. C. H. White wanted?
C-P	90	1		" Capt. C. H. White wanted Metallurgy Div.
C-A	16	2	8/30/18	" Names & qualifications of Lts (6) for Metallurgy Division.
S	301	2	10/16/18	" Metallurgical personnel not qualified; none needed if White unavailable.
S	445	3	11/13/18	" Cancel request for 2 Metallurgical officers
P	93	1	8/12/17	<u>METEOROLOGY:</u> Expert on meteorology wanted.
P	276	16-A	11/ 8/17	" Data on its personnel.
P	279	6	11/10/17	" Tracer of meteorological records lost.
A	540	2	12/21/17	" Traces unsuccessful; contents of box wtd.
A	713	9	1/30/18	" Capt. Gale ordered to report.
		19		" Colonel Gale will take charge of school; 100 more men coming.
A	774	12	2/13/18	" 2nd Lt. Scott ordered to report for duty.
A	812	8	2/21/18	" 150 men to be sent; how soon should they be sent?
		2		" Will meteorology use French units?
P	653	4-C	2/27/18	" French units will be used throughout.
P	695	6-B	3/ 9/18	" Men needed as fast as they can be sent.
P	786	4-B	3/27/18	" Suspend action on 695-P, 6-B
P	928	5-A	4/16/18	" Total personnel needed 21 officers, 314 men. Some now enroute.
A	1356	1	5/20/18	" WKG Green ordered to report.
P	1080	3	5/ 9/18	" Need meteorological 3rd group personnel at once.
P	1863	1-A	11/ 2/18	" Reorganization of meteorological service by territory instead of attached to units.
A	2178	1	11/12/18	" Reorganization meteorological service approved.
A	833	21	3/ 1/18	<u>METHYLEN:</u> Will acetate of lime & methylen be requird.
P	713	9-B	3/11/18	" Is it for repair work? If so, quantity too large.
A	950	1-A	3/20/18	" Lime & alcohol ordered by French, for mfg. of dope; is quantity OK?
P	808	1-F	3/29/18	" Estimate is too large; investigation being made.
P	865	8-C	4/ 7/18	" French requirements correct; expedite shipment.
P	1148	5	5/19/18	" To be shipped as part of Bolling order for planes.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1476	10-A	6/ 9/18	METHYLEN: 850 tons released.
A	2116	12	10/29/18	" French will order thru British War Mission for all wood chemicals.
A	1874	13	8/24/18	METHYL ACETATE: French want 1000 tons Calcium Bd. wants to substitute Methyl acetate.
S	224	3	10/ 4/18	" " French Ministry now presents reduced demands; must be shipped in iron casks.
X	165	6	10/14/18	" " Agreement of Bd. to allocate lime & methyl acetate.
A	812	2	2/19/18	METRIC SYSTEM Will Air Service use?
P	653	4-C	2/27/18	" " Air Service will use it entirely.
P	560	5-A	2/ 1/18	MICHELIN: Data on illuminating bomburns 11 min. Sample shipped.
A	961	1-E	3/22/18	" Request 2 Michelin illuminating bombs be sent to US with release mechanisms, drawings etc.
P	799	4-A	3/28/18	" Michelin bombs & drawings will be sent as requested in A-961- 1-E.
P	1204	3	5/28/18	" Data on Michelin bombs.
A	1458	1-J	6/ 7/18	" Design for parachute not received.
P	1322	2-A	6/17/18	" Michelin flare design sent.
P	1568	4	8/ 7/18	" Rec. prod. of Michelin III bomb carriers.
X	92	8	9/23/18	" Are Michelin flares wanted on observation planes; DH - Bristol, US B 1.
S	254	4	10/ 9/18	" Data on Michelin parachute flares, silk used in.
S	386	4	10/31/18	" Address market for silk for parachute. flares in Japan, used by Michelin.
X	327	10	12/ 2/18	" Complete drawings & all info. wanted on Michelin bomb sight.
C-X	64	4	11/26/18	" USD-9-A has door in side for Michelin 7th AIC sight.
P	1571	8	8/ 7/18	MIDGERLEY: Midgerley flares reported satisfactory.
P	362	2	12/11/17	MINEOLA: Request distance from New York to.
P	517	2	1/21/18	" Distance given.
A	517	11	12/16/17	" Distance from New York wanted.
A	675	1	1/24/18	MINERAL OILS: Names of unsatisfactory oils wanted.
P	1571	3-A	8/ 7/18	MIRRORS: Ship 1333 mirrors for foreign built planes
		3-B		Increase accessories for August & September to include 500.
S	64	7-C	8/30/18	" Are mirrors available for oblique photography
X	55	2	9/ 7/18	" No prism or magnalium mirrors available.
X	179	10	10/17/18	" If flat mirrors are preferred will adaption of convex frames be satisfactory?
S	355	5-A	10/26/18	" Flat mirrors, round type desired.
X	244	4	11/ 5/18	" Not necess. to change prod. from flat round type mirror.
A	777	4	2/14/18	MOLINE: Drills, borers and soft copper shipped without forwarding address.
P	941	1-A	4/18/18	MONO RAILS: Procurable in France in limited quantities.
A	590	2	1/ 4/18	MONTEBARDON RADIATORS: Directed to ship.
P	502	3-C	1/16/18	" " Will ship within a week.
P	180	3	9/24/18	MORANE: Climb test of Morane.
		10		Building monocoque fuselage.
P	204	2	10/ 5/17	" Status and recommendation for production.
P	239	2	10/21/17	" Spatz flew Morane; much pleased with it.
SD	207		10/15/17	" Better than Spad or Nieuport for Gnome engine.
A	302	2	10/18/17	" Ship samples new Morane & Nieuport.
SD	240	4	11/ 5/17	" French sending Morane with Gnome in December.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1016	1-I	4/ 1/18	<u>MORANE:</u> Information wanted on report that French are building Morane & Saulnier cannon fighter round Bugatti engine.
P	869	6-B	4/ 8/18	" Statement of foreign deliveries to March 28th.
P	889	3	4/11/18	" Report of its state of completion for Bugatti.
P	903	2-F	4/13/18	" Morane waiting for completion of Bugatti.
P	913	1-F	4/14/18	" Morane will be shipped to US as single seater fighter; uses Gnome engine.
A	1399	1-D	5/26/18	" Has single seater been shipped?
P	1204	2-D	5/28/18	" Ready for shipment to US.
P	1249	1-E	6/ 5/18	" Type discontinued; sample will not be shipped US
A	1467	2-D	6/ 6/18	" Cable shipping dates.
S	161	2-J	9/21/18	" 2nd Bugatti flown in Morane; Liberty will also be flown.
S	394	3	11/ 2/18	" French want 2 Bugattis for test in Morane; try Baldwin cannon with Bugatti.
C-S	334	1	11/21/18	" Supply prospects October 31st.
S	677	4	12/23/18	" Number on hand AEF; are any wanted in the U. S.
S	743	1-A-G	1/ 3/18	" No. for which US may be held accountable.
X	405	3	1/ 7/18	" Planes to be shipped to the United States.
P	375	1	12/10/17	<u>MORSE CHAIN CO.:</u> Information requested on their link.
S	58	1	8/28/18	<u>MOTLAU:</u> Send 3 developing outfits for Motlau camera.
P	764	5-15	3/22/18	" Motlau cameras wanted.
X	55	1	9/ 7/18	" Only 1 Motlau film developer available.
A	534	9	12/18/17	<u>MOTOR CYCLES:</u> Coming with 8 Balloon Companies
A	1062	1-F	4/ 8/18	" 300 to be shipped in April.
A	1253	1	5/ 8/18	" Tonnage shipped during April.
A	1326	1-AB	5/18/18	" Authority granted to Lt. Bongiorno to pay Borgo Turin Company for motor cycles.
A	1440	10	6/ 2/ 18	" Data on spare parts, tires, extras.
A	13	2	7/ 2/17	<u>MOTOR MECHANICS:</u> Salaries motor mechanics fixed.
A	19	3	7/ 1/17	" Payment of \$4.00 per diem to motor mecs for subsistence allowed; authority mailed.
A	46	9	7/23/17	" Arrangements made & funds deposited for pay of 30 motor mechs., civilian employees.
SD	9	1	6/27/17	" Request allotment and rate of pay for Motor Mechs. Paris and London.
SD	24	1	6/30/17	" 30 Motor Mechs. to remain in England; make necessary arrangements to pay the
SD	41	1	7/ 1/17	" Make arrangements to make allowances to families of Motor Mechanics who may need help until matter is definitely settled.
P	41	5	7/14/17	" Arrange for pay 30 M.M. in England
A	820	14	2/21/18	" 2nd Regt. is one of those called for in P 211, p. 11.
P	611	1-D	2/27/18	" For what purpose & duty is 4th Regt. organized? What branch of service?
P	764	5-C	3/23/18	" Motor Mech. personnel in 924-1 not understood; when will 1st contingent sail?
A	924	1	3/16/18	" 49 officers being specially trained for mech. Regt. for prod. center #2. Is it desired to use them?
A	1025	2	4/ 3/18	" 3rd & 4th Regts. should be used for #2 Center; personnel well trained for plane work; others will be sent to France.

(11) BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:	
P	847	1-C	4/ 4/18	MOTOR MECHANICSL	Send Lib. mechs. with replacements.
A	1197	1	4/28/18	"	4th and 3rd MM regts. should be used at Prod. Center #2 in addition to 1st M.M. Regt.
P	1076	4-A	5/ 8/18	"	No decision on use of 5th & 4th MM. Regts. for APC#2.
A	1299	1	5/13/18	"	No personnel on 3rd & 4th MM Regts. to be sent until approved by AEF.
P	1205	1-ABC	5/29/18	"	3rd & 4th MM Regts are assigned APC#2
A	1701	5	7/11/18	"	4th MM. Regt. to sail with next convoy.
A	1679		7/ 8/18	"	Motor Mech. Regt. sailed on Patria.
P	1569	1-F	8/ 7/18	"	Scheduled to sail in August or September
P	1655	Con.	9/ 3/18	"	1 Regt. on October priority.
C-P	172		12/ /18	"	1 Regt. wanted in October.
A	1948	1	9/16/18	"	Is a 5th MM Regt. wanted?
P	1712	7	9/21/18	"	5th MM. Regt. wanted in October; if not available send in Nov. & Dec. substitute equal number troops October.
A	1975	3	9/24/18	"	Motor Mech. Regt. changed to Air Svs. Mech. Regt.
A	1993	1	9/27/18	"	Imposs. to ship 5th MM. Regt. October; not enough men to ship troops in their place.
P	1766	2	10/ 8/18	"	Send 5 MM. Regt. Dec., sending 1925 Ordnance men got armament in place.
A	2085	8	10/22/18	"	5th MM Regt. organized for December; not enough Ordnance men available as substitute.
X	240	1	11/ 5/18	"	Officers with MM Re-ts. are picked factory men & can be used for HP & APC#2.
P	1506	1-A	7/24/18	MULTIGRAPH:	Ship multigraph supplies.
A	1794	7	7/30/18	"	Part floated; balance not produced.
A	543	2	12/23/17	MOTOR TRANSPORTATION:	Capt. George coming to work with
A	585	5	1/ 1/18	"	George delayed acct. waiting for authority to bring men.
A	762	9	2/11/18	"	Col. George cannot be sent overseas; wish to send substitute in place of George.
P	819	9-A	3/31/18	"	Will MT be shipped as per tonnage schedule?
A	974	1-A	3/25/18	"	Capt. Slade & Lt. Church will sail with drawings for Capt 1 Colt.
A	1067	2-C	4/ 9/18	"	Tables of motor trans. for sqdn recd. in US without explanatory matter; not understood
A	1094	1-A	4/14/18	"	How much wastage per month for motor transportation per sqdn.
P	916	9-B	4/15/18	"	No report of status of orders for Air Service; request weekly rpt
P	958	2-C	4/20/18	"	Weekly report on orders for spare parts wanted.
P	968	2	4/21/18	"	Motor transportation tables not official; estimates only prepared for C in C's approval & sent thru error.
P	973	1-C	4/22/18	"	Motor trans. wastage of squadns estimated 10%

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	864	4	4/ 5/18	MOTOR TRANSPORTATION: 4 officers wanted from US.
A	1165	1-A	4/25/18	" 4 officers to take place of those asked for.
P	1012	8	4/29/18	" Catalogs of spare parts for motor trans. wtd. also manuals wanted.
P	1032	4-B	5/ 2/18	" 4 extra officers not needed.
A	1229	3-A	5/ 3/18	" Weekly report of spare part situation will be mailed.
P	1069	2-A	5/ 7/18	" Spare parts, for trailers to be shipped Air Service Motor Trans. AEF all shipments for transportation to be shipped direct to A.S.
A	1332	4	5/18/18	" Do balloon companies and other organizations require 4-wheel drive trucks?
A	1340	5	5/18/18	" Motor trans. wishes to export spare gas cans & wants tonnage.
A	1363	9	5/21/18	" New motor trans. manuals being prepared; will be sent.
P	1172	4	5/23/18	" Duties of MTS & Air Service; spare parts wanted Fords, Dodge, Cadillacs, Packards.
A	1385	3-G	5/24/18	" Instr. books & catalogs aviation trucks sent.
A	1399	1-A	5/26/18	" Lt. Colonel George & Assistant coming for MT work.
P	1209	2	5/29/18	" Weekly reports wanted.
A	1440	10	6/ 2/18	" Data on spare parts for trucks, extras, tires. Personnel for MTS not available; subs offered.
P	1268	3-A		" Send officers as per A-1440 10-A.
A	1508	5-D	6/ 8/18	" 5 Second Lts. ordered to report for M.T.
A	1563	2	6/12/18	" 2nd Lts. Gee & Griggs ordered to France for MT
P	1578	4	6/18/18	" Request specif. of all auto rolling stock.
S	49	1	8/ 9/18	" Is Motor transport figures in X 15-10 correct?
X	35	4-A	8/26/18	" 15,000 Clevelands ordered.
X	255	6	8/29/18	" Reason for short shipments is that Air Svce. space was given over to M T C.
X	274	11	11/ 7/18	" Request copy of Robertson's report on Transp. Service; contains reasons for separate service
		5	11/14/18	"

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
X	143	6	10/8/18	NEAME ILL. SIGHTS: What are requirements Neame & Norman night sights, illuminated.
X	267	1	11/12/18	" " " No illuminated sights produced. Copying Neame sight for HP & awaiting advice.
P	1266	11	6/8/18	NELSON Is Nelson synchronizing gear successful?
A	1479	3D	6/8/18	" Samples & drawings Nelson synchr. being sent.
A	1526	5	6/14/18	" Nelson Synchr. Gears not appvd. yet.
A	1585	7	6/21/18	" Shpd drawings & samples, Nelson synchr. gears June 20.
S	65	4	8/30/17	" Send Nelsons for Browning guns if spad trigger motors not available.
P	362	2	12/11/17	" Request distance to Mineola from
A	517	2	1/16/17	" Distance given.
P	517	11	1/16/17	" Distance from Mineola wanted.
A	6		6/1917	NIEUPORT Re first agreement on mfg. in U.S. Send representative with sample.
E	48	1	7/6/17	" Sending sample to U.S.
P.	41	7	7/14/17	" Certain about Nieuport
P	47	2	7/17/17	" French offer to furnish us with 1500 Breguet & 2000 Spad or Breguet all with engines we to replace raw materials & provide necessary machine tools. Expedite purchase 18 m. Nieuport with Lorraine motor.
A	65	5	7/29/17	" What types planes wanted for advanced training. French favor JN & Nieuport
P	78	101	8/7/17	" 1500 Nieuport with Gnome engine ordered from French
P	86	1	8/8/17	" Nieuport & Bristol take 80 LeR. engine
P	115	13	8/20/17	Recom. for training machine; 3 Nieuport with LeR. Engine.
P	180	2	8/20/17	" Do not take advice French officers contrary to Bolling. French advising use Nieuport.
P	184	3	9/24/17	" Nieuport 1st flight with Gnome.
P	184	10	9/26/17	" Building monocoque fuselage
P	187	6	9/26/17	" Gnome eng. will not cool. New cowl designed
P	187	1	9/27/17	" Neither Nieuport nor Spad with Gnome accepted yet.
P	204	2	10/5/17	" Status & recom. for production
E	207	2	10/15/17	" French cannot send New Nieuport till Nov. 15. Morane better than Spad or Nieuport for Gnome.
A	302	2	10/18/17	" Ship samples new Morane & Nieuport
E	240	4	11/5/17	" French sending Nieuport with Gnome & Morane with Gnome in Dec.
E	245	3	11/6/17	" French sending 1 18 meter Nieuport
P	420	2B	1/28/17	" Impossible to obtain without crippling program.
P	749	5D	3/20/18	" Status of foreign order.
P	869	6B	4/8/18	" Statement foreign deliveries to Mch. 28.
P	913	1F	4/14/18	" Will be shpd to US as single seater fighter Uses Gnome engine.
A	1142	1D	4/21/18	" Wanted in US a/c shortage pursuit planes.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
P	1149	4D	5/19/18	<u>NIEUFORT:</u>	French will answer May 27th about Nieuports
A	1399	1D	5/26/18	"	Has single seater been shpd?
A	1404	'	5/27/18	"	McDill's report states surplus of Nieuports on hand. Same should be sent to US.
P	1204	2D	5/28/18	"	Ready for shpmt. to US.
P	1213	5	5/30/18	"	French will send 150 per month to US
P	1222	2A	5/31/18	"	Deliveries (foreign) to May 1st.
A	748	2	2/18/18	<u>NACELLES</u>	H.P. Send drawings 0-100 engine Macelle
A	875	9	3/7/18	"	If tandem motors are used what is result?
P	764	5B	3/23/18	"	Loss of efficiency in Tandem Macelle is 10%.
P	502	3D	1/16/18	<u>NATIONAL ADVISORY COM. AERONAUTICS</u>	Report of propeller test wanted.
A	495	7	12/10/17	"	2 copies of report mailed Dec. 3
A	730	7	2/3/18	"	Dr. Durand sailed with reports of propellers tests made at Leland Stanford Univer. Also has reports on standardization.
A	750	5	2/9/18	"	Blueprints of hub. of Lib. & propeller for DH 4 being mailed.
A	1385	2	5/24/18	<u>NATIONAL ARMY</u>	Air Serv. has been separated from Sig. Corps & placed in National Army & all cables should be addressed Dir. Military Aero.
A	1418	6	5/29/18	"	"
A	1923		8/9/18	"	Regulars, N.A. & N.G. & Reserves all combined in US Army, hereafter only one kind of commission (U S A) & arm of service.
A	1510	7	6/13/18	<u>NATIONAL CARBON CO.</u>	Data on Manganese Dioxide
A	1273	5L	5/9/18	<u>NATIONAL REFINING CO.</u>	Grades of oil & use of each
P	78	107	8/17/17	<u>NAVY</u>	Can secure flying boats from Macchi Co. Italy.
P	86	11	8/8/17	"	Italy sending sample Macchi flying boat.
P	88	2	8/9/17	"	Requirements flying boats to Oct. 1
A	1224	Con.	5/3/18	"	May procure Hispano engines for Curtiss & Macchi boats.
P	1043	1	5/5/18	"	Data on allocation of planes & engines & program of classified sqdns to be kept on front.
		11A		"	Allocation of engines to Navy not appvd.
		1B		"	Why is Navy offering raw materials to Italy. in return for Capronis needed by Air Service.
A	1275		5/10/18	"	US Navy & Air Svce should be combined as is case with British Air Svce.
				"	War Dept. has approved all plans for allocation of Liberty engines to Navy.
A	1208	4	5/15/18	"	No change can be made.
P	1165	2F	5/22/18	"	Navy tonnage will be investigated
P	1308	Con.	6/14/18	"	Navy can procure linen from Clichy Depot
				"	Allies have preference over Navy in allocation of Lib. in order to hold air supremacy.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	1249	1E 1F	6/5/18	<u>NIEUPORT:</u> Ready to ship US (sample) Excess machines absorbed by training and svce. in France, see P 1213 5.
A	1467	2D	6/6/18	" Cable shipping dates.
A	1479	3B	6/8/18	" Cancel requests for Nieuports.
P	1358	8	6/23/18	" 1 Nieuport with Gnome engine shipped.
P	1365	1A	6/24/18	" In view of cancellation of Nieuport order send Hispano engines which were to be used to AEF.
A	1735	4	7/18/18	" Report wanted on life LeRh. in Nieu. train pl.
P	1520	3C	7/27/18	" 1 shipped
P	1539	8	7/31/18	" Data on overhauls
A	2132	12	11/1/18	" Suggest trial of 134 pilots be made on 15 M. Nieuport.
CS	334	1	11/21/18	" Supply prospects Oct. 31.
S	667	4	12/23/18	" No. on hand AEF Any wanted in US?
S	743	1A-G	1/3/18	" No, for which US may be held accountable.
X	405	3	1/7/18	" Planes to be shipped to US
P	633	2G	2/21/18	<u>NITRO COPES</u> Absolutelu rejected a/c inflammable
P	729	6	3/15/18	" Not compulsory for training machines but should be used until acetate is available.
A	1977	4	9/24/18	<u>NITROGEN</u> Nitrogen under Ordnance in US
X	183	3	10/18/18	" No Dreyer nitrogen apparatus on hand, 2 ordered. 10 Goodrich masks will be sent.
P	1255	2	6/6/18	<u>NONCOMMISSIONED OFFICERS</u> Provision should be made to commission Non coms 2nd Lieut.
A	750	3	2/9/18	<u>NON FLYING OFFICERS</u> Cable record shows 918 overseas. Is this correct?
P	603	4	2/14/18	" 918 officers correct.
P	847	1B	4/4/18	" No. overseas April 1, 1918.
A	1016		3/31/18	" Cannot commission, authority exhausted.
A	1028		4/2/18	" do.
A	1080	1H	4/12/18	" do.
P	947	1	4/18/18	" Number overseas April 15.
P	1054	6	5/6/18	" Number overseas May 1st.
P	1142	8D	5/18/18	" Semi monthly report number overseas
P	1149	4C	5/19/18	" No recommendations made but for qualified cadets.
P	1249	1G	6/5/18	" Number overseas June 1st.
A	1494	7A	6/11/18	" Policy to have all flying officers in Air Svce. No more non flying commissions to be granted except exceptional cases.
A	1605	8	6/25/18	" No distinction made between F & NF officers.
P	1413	10	7/4/18	" Number overseas.
CS	25	1	8/17/18	" Overseas figures as of Aug. 15.
A	1857	7	8/19/18	" Authority granted to fill vacancies from AEF
CS	144	1	9/17/18	" Report number overseas Sept. 15.
P	1738	8J	10/4/18	" Number of original vacancies & number wanted to Sept. 30.
X	72	2	9/3/18	<u>NORBYKE</u> Production Lib. engines for Aug.
S	295	7B	10/16/18	" Landing cables on boxes for Lib, too weak
X	200	12	10/24/18	" " " being corrected

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	672	2	1/22/18	NORWALK WINDVALE SIGHTS Data on measurements.
A	1067	2E	4/9/18	" " " Status of shpmts.
X	143	6	10/8/18	" " " What are requirements Norman III night sights.
X	128	4	10/2/18	NORWALK " 5 Norwalk hydrogen compressors available. Cable requirements
S	286	1K	10/14/18	" " " Send 10 charging sets & Norwalk compressors.

P	474	1	1/10/18	OAK Shipping dates requested.
A	645	3	1/18/18	" Amt. of propeller wodd delivered for export.
A	701	11	1/27/18	" Amt. shipped & waiting shmpt.
A	833	15	3/1/18	" Propeller situation on Oak etc.
A	924	3	3/16/18	" Data on shipments of
S	99	7A	9/7/18	" Oak propellers satisfactory on DH.
P	186	4	9/27/18	OBSERVERS Starting observers school. Send 100 students, 30 photo. 10 radio.
E	248	1	11/6/18	" What action to send student photos. etc.
A	403	8	11/17/18	" Arrangements made for students.
A	421	1	11/23/18	" Project does not include observers for sqdns per organization tables.
P	348	2	12/7/18	" S.C.will provide personnel for radio. Observers must be proficient.
P	350	3	12/8/18	" Number of men and how detailed from Arty. and Inf. for observation work.
A	517	12	12/16/17	" From Arty. & Inf. to Ft. Sill, Obs. sqd. 12 Arty & 4 Inf.
A	543	6	12/23/17	" To be supplied by Arty. or Avia. desire radio rec.sets.
A	559	5	12/25/17	" Past and present methods of Aerial gunners and observers.
A	565	8-9	12/28/17	" With Arty is French or Engl. system
A	565	4	12/28/17	" adopted observers. Should radio sets for Arty. observers be supplied by Avia. or Arty.
P	567	7A	2/3/18	" Info wanted on school at Ft. Sill & number of graduates
A	730	6	2/3/18	" Instructors school under way R.E.C. system used. Observers, gunners, flying & ground work. Will graduate Mar. 1st, Mars April 1. Meanwhile pilots instructed on Lewis gun from rear cockpit J.N.
A	746	2	2/7/18	" 34 2nd Lts. & 5 1st Lts. ordered to report fro duty.
P	589	1A	2/11/18	" Should take course at Ft. Sill
A	774	5	3/13/18	" 2nd Lts. will report as aerial obs.
A	782	1	2/14/18	" Beta on observers schl. at Ft. Sill graduates and requirements.
A	788	7	2/14/18	" Will photog. obs. be used as in French Escadrilles
A	796	2	2/16/18	" French & Brit. recommend sending balloon observers. How many wanted.
A	800	1	2/17/18	" Coast Arty. men sent to Ft. Monroe instead of Ft. Sill for training.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	812	4	2/19/18	<u>OBSERVERS:</u> Proposed increase in school, with proportions from different services.
P	643	3	2/24/18	" Appvl wanted
P	653	4E	2/27/18	" Send Ft. Sill graduates. Advise number graduates from Feb. 13 to March 15.
A	865	9	3/6/18	" Must know camera but need not necessarily have laboratory experience.
P	702	4	3/9/18	" All observers being sent when graduating. Those sent before May 1 will have ground gunnery only.
A	947	9C	3/21/18	" No. req. & approved schedules of trained observers.
P	776	1G	3/23/18	" Is it advisable to send partially trained obs. or hold them US for gunnery inst.
P	822	3C	3/31/18	" What is duration of aerial obs. for balloon observers.
A	993	1C	3/29/18	" When can aerial & fighting observers be expected in France & how many of each.
A	1012	9	4/1/18	" No. of graduates will fit schedule of P 702 4.
P	847	1D	4/4/18	" No. graduates for work of Mar. 23. 100 obs. to be sent without gunnery. Hold rest for gunnery.
A	1035	1C	4/5/18	" No. graduates week of Mar. 30.
A	1069	1A	4/10/18	" Correction of No. grad. wk Mar 23. 750 obs. & pilots output in US per month.
A	1080	1B	4/12/18	" Will ne held in US until given gunnery. Why are 100 obs. in P 847 1D wanted without.
A	1080	1E	4/12/18	" No. of grad. wk of April 6.
A	1116	1	4/17/18	" No. & classes of obs. which can be expected. in France by June 1st.
P	941	5C	4/18/18	" Report for wk of April 13. Request for observers in 847 withdrawn as need is passed & training can proceed in US
A	1142	1C	4/21/18	" Graduates specialized schools wk April 13.
A	1160	2	4/24/18	" No. grad. for wk April 20.
A	1220	1C	5/2/18	" No. " " " " 27
A	1230	5	5/2/18	" No. of balloon obs. wanted both Arty. & Signal Corps.
A	1273	5H	5/9/18	" No. grad. wk of May 4.
P	1088	9B	5/11/18	" No. balloon obs. in France.
A	1326	1C	5/18/18	" No. graduates wk of May 11.
A	1155	1	4/23/18	" Arty obs. grad. of school in France should have flying status & thus draw pay.
P	1134	1L	5/16/18	" Obs. should be attached to A S so as to draw 25% increased pay but should be retd to their organization. Occasionally to keep in touch with same

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1357	4	5/20/18	OBSERVERS: No graduates wk May 18.
A	1404	8B	5/27/18	" Graduates for wk May 27.
P	1216	3	5/30/18	" 1 officer wanted as instructor.
A	1450	6A	6/4/18	" Grad. wk of June 1st.
A	1479	3A	6/8/18	" Are grad. wanted in AEF or for Allies.
A	1507	3C	6/12/18	" Grad. wk of June 8.
P	1322	4B	6/17/18	" 590 officers wanted, supply adjutants observers, pilots, etc.
A	1556	2	6/19/18	" Grad. wk of June 15.
A	1608	22	6/26/18	" " " " 22
P	1395	3C	6/29/18	" 100 fighting observers wanted.
A	1627	19	6/29/18	" 15 Lts. ordered to France.
A	1644	12	7/2/18	" Report wanted on No. of balloon obs. with Signal Corps & Arty.
A	1665	15	7/5/18	" Grad. & under training in US June 29
P	1427	1C	7/8/18	" No. of balloon obs.
A	1693	4	7/11/18	" Grad. & under training wk of July 6.
P	1454	8	7/12/18	" Wkly shpmt wanted.
A	1725	3	7/16/18	" Grad. & under training 7/13/18
A	1759	11	7/22/18	" Have ceased training fighting obs. Are more needed.
A	1781	10	7/26/18	" Are 40 balloon obs, wanted.
		13		" Cannot supply all pilots needed. Lack of pursuit.
P	1546	3	8/1/18	" No more wanted after Item A 533 W is filled.
P	1554	7A	8/3/18	" Send Arty. balloon observers.
P	1559	5	8/5/18	" Send obs. by Sept. 20
P	1573	1J	8/7/18	" Outline of policy AEF re. observers.
A	1831	4	8/10/18	" 8 observers ordered overseas, 10 within wk & balance within two weeks.
A	1932	12	9/12/18	" Can day bombing be done with only pilots & observers.
P	1701	7	9/18/18	" Priority of personnel for December.
X	94	5	9/21/18	" Estimated flyers to be sent. Nos. in training & how divided under specialized work.
CA	16	1	8/30/18	" No. students under training 8/22 & grad. wk of 8/22/18
CP	189	Con.	9/21/18	" Summary personnel & item numbers for Nov. shpmt.
S	186	7	9/26/18	" Description of how day bombing is done.
P	1722	1A	9/25/18	" Change tables to omit airplanes & balloon obs. Are to be supplied by A.S.
A	1976	14	9/24/18	" 6 pursuit pilots & 6 corps observers needed for training US.
P	1727	7	9/27/18	" No. of obs. wanted at Long Island.
S	13	5A	8/15/18	" Can mechs. be supplied to fit program
				" SCR 57 has been adopted for observers in balloon baskets.
P	1655	Con.	9/3/18	" Personnel priority for Oct.
CP	172			" " requested for Oct. shpmt.
P	1667	2	9/7/18	" Cancel 2 sqdns & send 300 obs. for HP Will HP flyers come with sqdns.
P	1678	Con.	9/12/18	" Program of troops for Nov.
CP	198	Con.	9/28/18	" Item No's & summary of personnel for Dec. program.

BINDER CABLE LETTER NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
CA	19	10	9/7/18	OBSERVERS: Grad. & numbers in training schools US 8/28/18
CA	21	2		" Grad. & numbers in " " US 9/5/18
A	2007	4	10/2/18	" 140 HP bombers & obs. not substituted for sqdns.
A	2011	1	10/3/18	" Cable casualties pilots, obs. bombardment & observation by months
A	2018	4	10/4/18	" No. observers at Long Island.
P	1744	3A	10/3/18	" Recom. to overcome shortage of obs.
P	1752	1D	10/5/18	" No more pilots or obs. can be spared
P	1760	1B	10/6/18	" Send flyers for night bomb. sqdns as per table #25.
CA	26	3	9/19/18	" Grad. & in training Sept. 12
CA	30	2	9/27/18	" " " " " 19.
A	2051	17	10/14/18	" Pursuit obs. not available until Nov. 1 50 per wk. Should repl. be cancelled?
A	2053	2	10/14/18	" Reasons for shortage flying personnel & estimated output for future.
P	1790	1	10/14/18	" Casualty figures, July to Sept. incl
CA	34	1	10/3/18	" Grad. & under training Sept. 26
S	349	4A	10/25/18	" Send all flying personnel to France except 50 RMA's monthly to Eng.
S	354	3	10/26/18	" Send classification of pilots & obs. ordered to France from June to Oct. & same 3 times a month hereafter.
CX	2	35	10/9/18	" Grad. & under training Oct. 3
P	1848	Con.	10/28/18	" Personnel priority for Jan.
S	381	8	10/30/18	" If pursuit obs. unavailable do not cancel 200 replacements.
X	236	6	11/2/18	" Will report No. ordered overseas every 10 days. No. from June to Oct.
A	2126	10	10/31/18	" Request item No. for cadets to be sent for obs. training,
A	2144	4	11/4/18	" Request casualty report of flyers for Oct. & every month thereafter.
CX	40	10	10/22/18	" Stories on obs. & heroism wanted from Lt. Woods for recruiting purposes
P	1870	1A	11/5/18	" Item No. for cadest obs. is A 1207 X
S	432	3A	11/9/18	" Casualty report flyers for Oct.
S	434	6	11/9/18	" News items bravery obs. will be sent
P	1881	10	11/9/18	" Request authority to transfer to Air Svce. officers now serving as observers.
P	1883	2	11/10/18	" Cadets for observers training urgently needed in France.
CA	43	1	10/26/18	" Grad. & under training Oct. 17.
X	265	3	11/12/18	" Flying personnel ordered France 11/1/12.
CA	44	1	10/29/18	" Grad. & under training Oct. 24.
CA	50	1	11/9/18	" " " " " 31.
S	550	9	12/4/18	" Casualty figures for Nov.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
CA	52	1	11/15/18	<u>OBSERVERS:</u> Grad. & under training wk Nov.7
CA	53	2	11/19/18	" " " " " " Nov.14
P	527	1D	1/23/18	<u>OCTANE</u> Samp.wanted from Lamb for work in Con. gasoline.
A	833	24	3/1/18	" Prof. Lamb advises none available Any substitute desired.
P	706	1C	3/11/18	" No other material can be substituted.
A	947	9	3/21/18	" Prof. Lamb will produce 3 samples
A	966	3	3/22/18	" Prof. Lamb preparing Octane. Requests quantity wanted in samples.
P	822	3A	3/31/18	" Normal octane being made here. 3 samples wanted. No synthesize samples wanted.
A	1062	2	4/8/18	" 3 samples now in process are 4 or 5 ounces each. What isomers are wanted.
P	882	2G	4/10/18	" 5 c.c. wanted. Send 3 isomers which can be prepared.quick. Synthesis other not necessary.
A	1238	1G	5/4/18	" Samples 20 gr. each being sent.
A	22		7/5/17	<u>OFFICERS</u> Authority granted to exam. & recommend.commissions in Off. Res. Corps & method of procedure to be followed.
A	36	6	7/16/18	" Authority granted to call to active duty members of O R C in Europe.
P	64	1	7/28/18	" Request auth. to modify physical exam. for Officers & to appoint 6 majors & 60 capt. & enlist in all grades.
P	91	7	8/11/18	" Auth. requested to exam. & recom. for J.M.A. & announce officers on flying duty.
A	112	1	8/18/18	" Same as P-91-7 requested from War Dept.
A	1212	12	8/23/18	" Authority above granted.
A	193	3	9/18/18	" Commissioning officers with RAF
A	194	11	9/20/18	" Send a S.C.officer to US for Gen. Staff.
A	336	9	10/31/18	" Officers from US must not be called for by name but only qualifications.
A	367	9	11/5/18	" 50 Officers for Supply training.
P	279	12B	11/10/18	" 30 officers wanted to study A S armament.
A	378	7	11/8/18	" Wording of act authorizing RMA & JMA's ranks.
P	319	1A	11/27/17	" Increase of salary for flying not warranted.
P	601	4A	2/14/18	" Conditions unchanged. Increase flying not warranted.
P	885	5B	4/11/18	" Flying officers drawing more pay than Arty.obs. doing same work. Injustice should be corrected.
P	730	1	3/15/18	" Proposed increase 25% for flying officers.

BINDER CABLE LETTER NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
P	782	4	3/25/18	OFFICERS: Confusion if officers are commd. in S.C. Rec. future officers be commd. in A.S.
A	986	1C	3/28/18	" Semi monthly report of number of flying & non flying officers overseas wanted.
A	1005	1B	3/30/18	" Total authorization of officers for A.S.
A	1016	1G	4/1/18	" Men rec. for non flying comms in P750 6A & P 756 6A cannot be commd. Authorization exhausted.
P	847	1B	4/4/18	" No. fly. N-F, balloon & cadets oversea 4/1/18
A	1077	7	4/19/18	" 3 avia. officers familiar with front line needs wanted in US to pass on designs of planes & engines.
A	1128	2	4/19/18	" Hereafter officers will be designated Avia. Sec. & lists of all ASSC USA officers. will be forwarded by mail.
A	1220	1A	5/2/18	" Data on Armament officers & other personnel to be sent.
P	1054	6	5/6/18	" No. fly, Non Fly, & balloon & cadets overseas 5/1/18
P	1083	6B	5/10/18	" Vacancies wanted fro Col, Lt. Col., Maj. & Capt.
A	1273	5E	5/9/18	" Exams for flying commissions to be resumed in US June 9. Enl. men A S have preference
A	1286	1	5/10/18	" Monthly personnel req. granted & men will be sent when selected. 1756 officer now in Europe. Those not properly trained should be sent back.
A	1287	1F	5/11/18	" Re commissioning of cadets as non flyers.
A	1314	4B	5/16/18	" Vacancies in Col. Lt. Col, Maj., & Capt. in A.B.F., A.S.
A	1120	1A	5/15/18	" Gen. Staff reorganizing sqdns. concernig radio officers.
P	1142	8D	5/18/18	" Semi monthly report number overseas.
A	1418	6	5/29/18	" Air Svce. officers to be recom. in A.S., N.A.
P	1216	3	5/30/18	" 8 officers wanted as instr.
P	1249	1G	6/5/18	" Report on no. flying & N F officers AEF
P	1255	2	6/6/18	" Provisions should be made for non coms to be commd 2nd Lt.
A	1476	3	6/9/18	" All ASSC officers will be transferred to ASNA by executive order & not recommd.
P	1281	3A	6/10/18	" Send 50 compass officers.
A	1494	7A	6/11/18	" All Air Svce. officers to be flying officers. Non flying commissions.
P	1284	4	6/11/18	" Vacancies should be held for noncoms & civilians.
A	1507	3B	6/12/18	" Total officers each grade wanted each month.
A	1515	4C	6/13/18	" Non coms being sent to ground schl for training.
		4D		" Carberry states officers were to collect data & sent to States for training.

BINDER CABLE LETTER NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER		
A	1518	2	6/15/18	OFFICERS	How many vacancies are wanted for Air Svce. A. S. F.
P	1330	2	6/18/18	"	No. by grades on June 15.
P	1339	4	6/19/18	"	No. overseas
A	1605	8	6/25/18	"	No disction made between fl & NF officers
P	1413	10	7/4/18	"	No. of officers & cadets overseas.
P	1479	3	7/18/18	"	Report of F & NF officers overseas 7/15/18
A	1735	7	7/18/18	"	Send names of NF officers as fast as they pass flying test.
A	1764	1	7/23/18	"	Acctblty for discharged officers bef. return.
A	1768	25	7/24/18	"	Officers assigned for study AEF & report to US
P	1762	2	7/23/18	"	Officers of junior grades promoted.
A	1790	5	7/29/18	"	Auth. to comm. flyers betw. ages 19 & 31
CP	90	2	8/3/18	"	2 balloon field officers wanted.
		3		"	Report No. officers in AEF
P	1533	5	7/20/18	"	Method by which officers will be promoted.
A	1823		8/9/18	"	Reg. NA & NG & Res. combined in US army. Hereafter only one class commissions USA
P	1574	1AB	8/9/18	"	New organization each type of sqdn
S	4	6	8/11/18	"	Balloon companies should be sent with full complement of officers.
P	1606	1H	8/17/18	"	Organization for Multi-Engd. sqdns.
CS	25	1	8/17/18	"	Overseas figures as of Aug. 15.
A	1855	4	8/17/18	"	Request names reg. offs. relieved from duty with Air Svce.
X	10	3	8/17/18	"	For next two months only 4 officers per balloon company can be sent.
Z	15	5	8/20/18	"	List of group & wing commanders.
A	1866	6	8/22/18	"	List of promotions above Capt.
P	1640	1	8/29/18	"	Officers relieved from duty with A S
CS	100	1	9/1/18	"	No. overseas Aug. 31
S	82	1A	9/4/18	"	More mature officers wanted for Co-Ord. Staff.
A	1905	3	9/3/18	"	Method of selection & status in A S adopted in US same in AEF
A	1922	8	9/7/18	"	Promotions to Lt Col. & Majors.
P	1692	1	9/15/18	"	What action taken on courier letter promotions of 114 1st Lts. & 25 2nd Lts
CS	144	1	9/17/18	"	Report number overseas Sept. 15.
CS	194	2	10/3/18	"	No. officers f & nf overseas 9/30
A	2007	2	10/2/18	"	2 day and 2 night bombers & 4 pilots wanted for exchange.
P	1738	3J	10/4/18	"	No. of original vacancies n-f & vacancies wanted to Sept. 30
A	336	9	10/29/17	"	Sec. War directs that officers be not called fro by name but by qualifications.
A	2051	12	10/14/18	"	Original vacancies P 1738 BG confirmed., considering allotment for sept.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
A	2005	8	10/15/18	OFFICERS	Permission granted to commission in lower grades AEF.
A	2068	3	10/17/18	"	Promotions recommended in courier letter forwarded by courier.
S	393	1	11/2/18	"	No. overseas Oct. 31
P	1881	10	11/9/18	"	Request auth. to transfer temp. officers to MP, MTC, Postal, etc. also to transfer to A S officers now serving as observers.
F	1901	11	11/16/18	"	3 officers will be returned for supply & mobilization work.
		11A		"	3 officers will be returned US for training duty.
CS	328	1	11/17/18	"	No. of flying & non flying officers AEF
A	2191			"	Policy adopted not to promote or appoint any more officers for emergency
A	2228		11/21/18	"	Change organization tables to make gunners officers.
CS	347	1	12/2/18	"	Report of officers overseas Nov. 20
F	1957	12	12/4/18	"	Situation permits sending many valuable officers to UB for organization work in supply training etc. How many are wanted?
A	2316	1-5	12/13/18	"	Outline of policy of appointing candidates to commission in Reserve Corps.
A	2325	6	12/16/18	"	Names of officers wanted for return to US
S	624	4A-0	12/5/18	"	Brief summary of Air Svce. to Armistice.
S	644	6-A	12/18/18	"	No. P & NF officers in AEF 12/16
X	355	1D	12/14/18	"	A S officers arrived without travel orders. Must have orders.
A	2345	Con.	12/23/18	"	List of statements & records to be made of each officer issued a Reserve commission.
A	2368	2	12/27/18	"	4 Air Svce. officers arrived without orders on Manchuria. Investigate and report.
S	708	5	12/28/18	"	Our proposition to return officers by qualifications. Your request by name cannot be filled. Names of those returning.
X	380	6	12/27/18	"	Send names of all aces & honors recd
S	743	1J	1/13/18	"	Overseas figures Jan 1, 1919.
A	2327		10/15/18	"	Stowaway officers reported to Exec. officer on transport that they were told to go home if room available.
X	399	5	1/4/18	"	Return of officers in A 2325 urgently desired especially Dunwoody.
S	766	1	1/7/18	"	Return 4 stowaways to Brest for Disc. action
S	769	5AB	1/7/18	"	Names of all aces.
A	2415	8	1/7/18	"	Change in Director of Air Svce.
X	406	5	1/7/18	"	Send 3 men like Hutton & Lyster.
A	2435	1	10/1/18	"	Return stowaways for trial at Brest on AVOL will be sent when caught, hold witness from Manchuria

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
A	2435	6A	10/1/18	<u>OFFICERS:</u>	Major J.E.Chaney wanted in States.
P	62	4	7/26/18	<u>OIL</u>	Requirements of oil for Issoudun.
A	66	1	7/29/18	"	Steps taken to supply monthly requirements
A	75	8	8/5/18	"	Is Bedford Paris to supply oil & gas
P	121	3	8/23/18	"	Must have good man to take charge of oil & gas storage.
P	139	17-3	9/5/18	"	Ask Peck to conduct oil tests on substitutes for castor oil
A	136	9	8/29/18	"	Arrangements made for oil & gas asst. to Bolling.
A	141	3	8/29/18	"	is Bedford Paris supplying as suggested
A	143	2	8/31/18	"	Send gas & oil into for embarkation officer. Dudley of Anglo. Amer. oil coming. Bedford expects he will be commissioned
A	159	1	9/6/18	"	US has begun to supply if Bedford cannot
A	172	6	9/14/18	"	Best to send oil & gas in bulk Distribute in France.
A	198	11	9/21/18	"	Procure oil in France. Figures oil send from US
A	224	11	9/29/18	"	Send requirements all svces. all oils & greases.
P	163	2-2	9/16/18	"	Temporary supply from Bedford Paris Must have future from US Q.M. handling.
P	251	10	10/28/18	"	Automatic requirements Nov. to Mch.
E	230	2	10/29/18	"	See Bedford re gas & oil for Italy school.
A	415	6	11/20/18	"	Gas & oil ordered cover Nov & Dec shpmts.
A	703	8	1/28/18	"	Sample of essence de Bornec wanted
P	568	2C	2/3/18	"	Motor temperature requires castor oil Mobiloil B unsatisfactory.
A	843	6	3/1/18	"	Info wanted as to necessity of castor oil Should additional provisions be made for production. Can it be used with mineral oil.
A	893	3	3/11/18	"	Schedule of req. wanted until Jan.
A	895	5	3/11/18	"	Capt. Kahle ordered to report for distribution.
P	719	1D	3/12/18	"	Engines operating under straight mineral oil
A	924	8	3/16/18	"	Are there facilities for storing in France. What containers should be used
P	808	1E	3/29/18	"	Should be shpd in steel drums AEF has facilities for storing.
A	1052	1	4/7/18	"	Specifications as required for mach. gun oil.
A	1220	1B	5/2/18	"	Low cold test oil developed called Liberty. Aero oil
A	1243	7	5/6/18	"	100 oil gauges docked before May 30.
A	1273	5L	5/9/18	"	Grades of oil as fur. by Natl.Ref.Co. & uses of each.
P	1258	2	6/6/18	"	Q.M.will handle hereafter.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1535	3	6/15/18	OIL: Paint oil under Engineers, Castor oil under S.C. All other oils C.M.
P	1365	1	6/24/18	" Q.M.will forward Avia. requirements.
A	1653	10	7/3/18	" Difficult to centralize castor oil purchase on C.Q.M. Air Svce. should handle. rec.
A	1733	12	7/18/18	" Report of Lib. Aero oil wanted
CP	4	2	7/20/18	" Any provision for heating water & oil
P	1558	4A	8/5/18	" Liberty Aero oil not yet tested. Data on use Mobiloil & castor oil in Lib. engines.
P	1573	5	8/8/18	" Rec. USD9 & DH4 be equipped with 15-gal tk. Amt on hand July 31.
X	6	6	8/16/18	" Sufficient oil capacity will be provided for DH4 & USD9. Experience in US shows 9 gal. sufficient. What is basis of 15-gal. tank requirement.
X	22	2	8/24/18	" Mobiloil "B" oil reclaimed with 40% saving. Martin coming with reclamation data.
X	23	5F	8/24/18	" Lard oil unobtainable. Where needed.
S	67	3	8/31/18	" Limit DH to 100 gal gas & 9 gal oil.
CA	5	4	8/14/18	" Gas heaters used like Bowser. Will send Penno to explain.
CS	99	1	9/1/18	" Reasons for 15 gal. capacity in DH
S	78	5A	9/4/18	" 2 Lubrication & gasoline experts wanted
S	83	2A	9/4/18	" Lard oil cancelled. Used on screw machines & drills.
S	90	1C	9/5/18	" QM has laboratory reclaiming oil. Send 15 oil engineerx.
X	61	8	9/10/18	" 2 gas & oil experts ordered to France.
X	71	6	9/13/18	" QM will transfer to AS oil reclaimers & engineers. Send new item numbers. Ennon Penno will need 6 assts.
X	152	3	10/10/18	" How many Fords equipped to carry gas, oil & water on the field wanted per sqdn.
X	168	4	10/15/18	" 200 88-gal. gas & oil tanks sent to APC 2 as spares for DHs.
S	393	1B	11/2/18	" Some Libs. recd. with 40# oil pressure 20 to 30# is limit.
X	225	2	10/30/18	" Oil & gas specialists Q5056K are AS men & want to retain rating. Request change of item number.
S	409	5A	11/5/18	" Send 2 Ford hot water & oil trucks per sqdn.
S	441	2B	11/11/18	" Oil & water heaters needed whether mounted on trucks or not.
X	259	9	11/9/18	" Lib. aero oil used for pressure tests AEF pressure probably due to different oils.
X	265	5	11/12/18	" 200 tank trucks, 2 tanks per truck, 180 gal. ordered, hot gas & oil.
		6		" QM has shpd large amt. machine gun oil. What results obtained
X	274	7	11/14/18	" MTC has available chassis for mounting hot gas and oil tanks.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
X	151	1	10/10/18	<u>ORDNANCE</u> New policy of Ord. Armament for Aircraft. Request from AEF to come from single head. Data on status of bomb contracts.
X	154	1C	10/10/18	" 9700 tons will be sent for Ord. buildings.
CX	21	1	9/22/18	" Probable shortages in Sept. priority
P	1813	2	10/19/18	" View of transferts Ord. of A.S. personnel still as in P 1541 10 US should conform. Men needed send without waiting final decision 5th MM Regt will be sent in Dec. Notenuf Ord. men to send 1925 requested.
A	2085	8	10/22/18	" Ordnnce tonnage priority for Sept. Great difficulties in shortage ord. accessories, tonnage floated must be enlarged.
S	25	1B	8/19/18	" 12 storehouses & 2 shops not needed by Ord. cannot be used by A.S. as hangars but could be used in US* Armament officers & armorers will still be supplied by Ord. but retained by A.S.
S	389	9	11/1/18	" Ord. buildings at Port of Em. will not be sent but used in US. Send no more ordn. apparatus for tests.
S	449	3DE	11/14/18	" Send no more bombs for test. Fields closing.
A	2182	8	11/13/18	" Engineering unit, aircraft Section Ord. leaves about Jan bringing info on armament
X	275	1G	11/14/18	" Cable organization French Air Svce
S	600	6	12/11/18	" Forward data showing organization Engl Avia. Svce.
S	651	5	12/19/18	" Request authority to form Air org. in Engl. as matters too numerous & too technical to be handled by Military Attache.
S	652	5	12/19/18	" Situation Paris much complicated by too many people with no definite auth.
A	33	13	7/14/18	<u>ORGANIZATION</u> Situation complicated owing to Mithell being Pershings Chief of Avia.
A	34	4	7/14/18	" Recommend establishment of Military Mission in London incl. Technical Section A.S. Aviation inspector Intelligence Section.
E	22	1	7/1/18	" Send best organizer like Stettinious to help produce & supply. Balloon tables of organization coming.
E	26	1	6/30/18	"
E	46	1	7/1/18	"
P	33	9	7/7/18	"
P	100	4	8/14/18	"
P	279	18	11/10/18	"

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
A	421	1	11/23/17	ORGANIZATION:	Project does not include observer for sqdn per tables org. How many radio men per sqdn
A	575	5	12/30/17	"	East arrived with data, will be presented to War College.
P	620	1A	3/19/18	"	Tables being prepared.
P	829	5B	4/1/18	"	" " again revised. Send later
A	1067	2F	4/9/18	"	Tables of motor trans. for sqdns recd in US without explanatory matter. Not understood.
		2G		"	No organiz. tables appvd. Jan 15 recd. When were they sent/
A	1070	4	4/10/18	"	T of O not recd & reference not understood.
P	928	5C	4/16/18	"	Item Nos. have nothing to do with tables. See P 751 for numbers C in C & S.O.R. projects as amended by Burt Drum, Barber board give Air svce program.
P	981	3	4/24/18	"	270 sqdns in A.S. program is total personnel authorized. Includes Engl training but not HP agreement
P	993	4	4/25/18	"	Item numbers understood but org. tables not recd. When sent?
A	1188	2	4/26/18	"	Org. tables mailed on Jan. 4
P	1032	4C	5/2/18	"	Copies mailed again to C. of S. & C.S.O.
P	1049	5B	5/5/18	"	Tables org. for svce. sqdns. revised will be sent with officer familiar.
P	1156	Con.	5/20/18	"	Programs of sqdns at front.
A	1568	10	6/10/18	"	Latest tables Day & Night Sqdns wanted.
P	1360	2C	6/24/18	"	Tables will be sent by 1st courier
A	1621	1	6/28/18	"	Send copy radio organization equip & supplies per sqdn.
A	1645	19	7/2/18	"	Tech. Sec. of Div. Mil. Aero. organized in US. Should co-ord. with Tech. Sec. in Europe.
P	1407	4A	7/3/18	"	Radio org. tables being sent
P	1471	2	7/16/18	"	Org. tables Sec. & plane tests will be sent.
P	1606	1F	8/17/18	"	Org. for Multi-Engd. sqdns
				"	Org. Supply Sqdn & Balloon Co. to be sent.
P	1610	5	8/18/18	"	Org. tables approd with exception of changes noted on copies sent bu courier.
A	1837	1	8/12/18	"	Are tables sent by Whitehead appvd.
A	1855	6	8/17/18	/"	All org. work held up for arvl. tables Some exceptions.
S	33	3E	8/21/18	"	Cables which will enable work to proceed.
X	24	10	8/24/18	"	What is meant by machine fitters, sheet metal workers, magneto men, cabinet makers.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE.	SUBJECT MATTER:	
A	1892	9	8/29/18	<u>ORGANIZATION:</u>	Waiting for tables. Expedite
P	1649	1A	9/1/18	"	A.S. Tables being sent in 3 days.
S	87	4A	9/5/18	"	Definitions of terms Fitters, Cabinet Makers etc. as used in org. tables.
P	1674	5	9/9/18	"	Org. of balloon wings, groups & sqdns.
P	1722	1A	9/25/18	"	Changes tables to omit airplanes & balloon observers. Are to be supplied by A.S.
A	2095	6	10/23/18	"	Org. tables A.S. #1 to #31 aprvd. & changed to #601 to 631.
P	1857	1	11/1/18	"	Enl strength of HP service & training sqdns.
P	1863	1A	11/2/18	"	Proposed reorganization of Meteorological Service by territory instead of attached to units. Above approved.
A	2178	1	11/12/18	"	Reorganize Sqdns. so that aerial gunners will be officers.
A	2228		11/21/18	"	Officers wanted to organize permanent Air Service in US.
X	297	1	11/22/18	"	Situation permits sending valuable officers to US for supply, training etc. How many wanted.
P	1947	12	12/4/18	"	Names officers wanted for return to US & duties.
A	2325	6	12/16/18	"	Gen. Mitchell returning to US via Engl. where he will get info. re workings of separate Air Svce.
P	2048	1B	1/11/18	"	Re agreement to furnish OX 5s to Canada
A	340	1	10/30/18	<u>O X 5 ENGINES</u>	Feb. deliveries wanted.
P	719	1F	3/12/18	"	Total deliveries to April 6.
A	1055	1	4/7/18	"	Can Curtiss OX 5 be used for training
A	1196	2	4/27/18	"	2000 can be shipped.
A	1238	1	5/4/18	"	Total deliveries thru April 27.
P	1067	1A	5/8/18	"	90 hp. Curtiss not wanted in France for training.
A	1256	Con.	5/8/18	"	Production to May 1st & forecast.
A	1486	Con.	6/9/18	"	" " June 6 & forecast.
A	1696	3	7/11/18	"	Report of status of Prod. & training program
A	1848	1	8/15/18	"	Forecast prod. for Aug. & Sept.
X	57	3	9/7/18	"	Status prod. & deliveries Aug. 30
X	257	6	11/8/18	"	Prod. Status Nov. 1.
X	364	2	12/19/18	"	" " No. 29, Est. to Dec. 30.
P	123	5	8/24/18	<u>OXYGEN</u>	Dreyer best oxygen outfit. Send experts to study it.
P	204	3	10/5/18	"	Dreyer best oxygen set. Ready to send inventor. Rights arranged.
A	269	5	10/12/18	"	Obtain rights and drawings from Dreyer.
E	282	11	11/26/18	"	DeLestane coming with Dreyer equip. Advise Medical Board.
E	289	1	12/1/18	"	Full report in one week. How many containers can be sent.
A	421	3	11/23/18	"	Send sample high altitude.

BINDER LETTER	CABLE NO.	FAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
A	432	11	11/23/18	OXYGEN:	How many oxygen equipments per month needed.
A	438	6	11/26/18	"	How many feet per day oxygen and hydrogen available from French.
A	461	3	12/1/18	"	No container received with Dreyer Information wanted mask, pressure and hour supply.
P	522	4C	1/30/18	"	British needs Dreyer.
P	519	1H	1/19/18	"	Recommend assembly in U.S.
A	608	6	1/8/18	"	Method of shipment.
A	703	9	1/28/18	"	More data wanted.
P	574	4	2/6/18	"	5 tanks each plane. Data on sizes weight and capacity. DeLestang familiar with
A	739	2	2/6/18	"	Arranging for production of 2,000 for British. Schedule of production at completion of test. Estimate 6-1 deliveries 6 weeks.
A	1093	1G	4/13/18	"	Information wanted on oxygen apparatus equipment.
P	1098		5/2/18	"	Data on high altitude oxygen respotator supply wanted. Lt. C.E.Smythe suggested to collect and bring data.
A	1356	11	5/20/18	"	Lt. C.E.Smythe cannot be spared. Other officer will be sent with data on oxygen apparatus.
P	447	2A	2/2/18	"	Drawings apparatus sent to U.S.
P	386	4B	12/16/17	"	Data on dimensions samples sent. Start production.
P	338	3	12/3/17	"	Amount available.
A	482	1	12/5/17	"	Balloon electrolyte plant. Gas supply in France, generating plants.
A	534	1	12/18/18	"	3500 Dreyer oxygen apparatus 2500 per month starting February.
P	1102	2H	5/13/18	"	Data on tanks and supply. Should be mounted on trucks.
A	1383	11	5/21/18	"	Data on tanks and shipments.
P	1224	7A	6/1/18	"	Ship tanks, small pumps used here.
A	1455	4A	6/5/18	"	C.L.Berrien will be sent to take charge of oxygen work. Should have three experts with him.
P	1311	3D	6/15/18	"	Lt. Turner coming with oxygen data 3 experts not needed.
A	1540	7	6/16/18	"	500 tanks being sent. Sieve Gorman have an oxygen pump.
P	1371	3B	6/25/18	"	Oxygen equipment delivered by Lt. Buckley. Report later.
A	1631	1	6/28/18	"	Major Berrien ordered to France.
P	1413	10B	7/4/18	"	Dreyer apparatus unsatisfactory. Rush.
A	1696	1A	7/11/18	"	All apparatus passed Govt. tests. Production data. Will send Major Berrien to take charge.
A	1790	2	7/29/18	"	Major Berrien sailed, now in France.
CP	98	1	8/5/18	"	Cylinders manifested as oxygen. Investigate.
A	1812	13A	8/5/18	"	Estimate of floatation for Sept.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
X	128	10	10/2/18	OXYGEN: Cannot identify oxygen material on Oct. priority.
S	256	2D	10/10/18	" Oxygen material on tonnage priority covers all material and apparatus for oxygen.
X	158	16	10/11/18	" Estimated floatations for November.
S	271	1F	10/12/18	" Tonnage allotment for November.
X	191	3 $\frac{1}{2}$	10/21/18	" Full information on cylinders not ready.
X	192	5	10/21/18	" Must start immediate production Dreyer. Send new model, prints and requirements Rusterholz and 3 Lieuts. coming.
CA	38	1	10/9/18	" Cannot secure motors for compressors. Pardee available.
A	2113	8	10/28/18	" Cannot give advice on Dreyer more than report Sept. 20. Present production covers. Will Prouty displace Dreyer.
S	374	6B	10/30/18	" 18000 cylinders oxygen gas, 300 Acetyline ordered for 6 months. Advise requirements.
X	199	9B	10/24/18	" Consolidation gas production under discussion. Send 300 oxygen and 500 Acetyline cylinders per month.
P	1289	7	6/12/18	" 8000 cylinders empty ordered. 1200 ready, 1700 per week. Filling will delay 1000 cylinders floated Oct. 4, 1000 at docks. Shipments can be met. Difficulty in securing small tanks. Valves and tubing ordered.
X	237	4	11/3/18	" 6000 apparatus order complete 2 months. Prouty and Clark app. supplement Dreyer. Which is A.E.F. Schedule.
X	237	6E	11/3/18	" Cylinder requirements will not exceed P 1289-7
X	244	3	11/5/18	" Dreyer model not to be considered. DeLestang contract cancelled. Report of Sept. 20 same as Rusterholz.
S	435	4	11/9/18	" Discontinue shipment Argon Gas cylinders. Rush 1200 empty cylinders by express for Ordnance.
S	465	1	11/17/18	" Are cylinder requirements needed. Items needed on Balloon Rec. 56U.M.D.
S	466	2A	11/18/18	" Continuing to ship 1200 oxygen cylinders and 300 Acetyline. Should these be cancelled?
S	469	5B	11/18/18	" Enough oxygen cylinders on hand in France. Will dispose of oxygen cylinders in France.
X	298	9	11/22/18	" Cancel 1200 empty oxygen and 3000 Acetyline cylinders.
CS	310	1	11/8/18	" Do not return balloons or ferro silicon.
X	329	4B	12/3/18	" Total of 18000 oxygen, 3000 acetyline cylinders ordered. Are any of these wanted and should contracts be cancelled.
S	539	4A	12/2/18	" Data on available compressors, silicon generators from Oxylithic Company.
S	550	9B	12/4/18	"
S	586	1A	12/9/18	"
X	342	9	12/10/18	"
X	367	2A	12/20/18	"
X	53	10	9/6/18	OXYLITHIC COMPANY

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT NUMBER:
A	1486	3	7/11/17 PENGUIN Report of status of pro. and training program.
A	1848	1	8/15/18 " Forecast production for August and September.
X	57	3	9/ 7/18 " Status production and delivery August 30th.
X	145	5	10/ 8/18 " Status production and delivery Sept. 27th.
X	257	6	11/ 8/18 " Production status November 1st.
A	13	2	7/ 2/17 PERSONNEL Send names of personnel Air Service Administration in England and France.
A	28	1	7/ 9/17 " 200 enlisted men will leave soon for construction Aviation School in France.
A	40	10	7/20/17 " 10 officers, 60 students, 600 mechanics assembling New York to go across.
		13	" Expect 100 students, 600 mechanics per mo. at Juneau Alaska beginning Aug. 1st.
SD	1	1	6/26/17 " Bolling and mechanical men arrived London.
SD	4	4	6/26/17 " When did 10 trained and 60 untrained pilots sail?
P	33	9	7/ 7/17 " Recommend establishment of Military Mission in London including Technical Section, Aviation Inspector and Intelligence section.
P	54	3	7/20/17 " Request for personnel for organization and Training sections.
P	56	1	7/21/17 " Correction in list personnel called for in P 54.
P	54	1	7/20/17 " Destination of personnel requested, with plans concerning training.
P	62	1	7/26/17 " Send 8 Ordnance Officers to study machine gun question.
P	64	1	7/28/17 " Authority requested to modify physical examination for officers, to recommend 6 Majors, 60 Capt. and to enlist in all grades.
P	71	1	8/ 1/17 " Bolling gives conclusions to program and recommendations for establishing Board of Expr.
A	73	12	8/ 2/17 " Authority granted to enlist in all grades Aviation Section Signal Corps.
A	88	1	8/ 9/17 " What personnel wanted for Paris Office with Bolling?
P	93	1	8/12/17 " Bolling in charge all production needs 2 good assistants and 1 expert Balloon, wireless, photo, meteorology, engine and plane men and 25 stenographers.
P	100	2-5	8/14/17 " Send timber designer and draftsmen for Lyster.
		4	" Send best organizer, like Stettinius to help production and supply.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	106	122	8/17/17	PERSONNEL Send 4 stenogs, Supt. and 8 assistants and 1200 construction mechanics.
P	123	4	8/23/17	" Send program of arrival in France to July 1 of pilots and mechanics.
		5		" Send experts to study Dreyer oxygen apparatus.
P	139	17	9/ 5/17	" Send 400 untrained pilots per month.
P	148	3	9/ 8/17	" Must have experts every line at once.
SD	133	D	9/28/17	" England offers train 2000 mechanics, half on metal half on wood. Send them
SD	149	3	9/10/17	" Draughtsmen need for Issoudun.
SD	151		9/10/17	" Arrange for commission and transfer of Flight commanders with R A F.
SD	173		9/21/17	" Need business men. Send Mcnell.
+	112	1	9/18/17	" Authority requested from War Dept. to examine officers AEF for A.S.S.C.
A	121	12	8/23/17	" Authority given to make M.A. and JMA and place flyers on active duty.
A	139	11	8/29/17	" Authority granted to enlist in all grades.
A	143	3	5/31/17	" Stenographers coming. All clerks drafted.
		6		" 200 coal miners (pilots?) ready Sept. 1.
A	172	13	9/14/17	" 175 men sent to handle Italy supplies
A	162	1	9/18/17	" Preparing to send business men. Must have Pershing priority for others.
A	146	2	9/ 2/17	" Organize 2000 mechanics for England in 12 squadrons.
A	165	2-3	9/11/17	" Send status needs for Paris organization.
P	164	3	9/12/17	" Needs and duties of industrial personnel organization in Paris.
P	177	13	9/24/17	" Plan to send over 16000 mechanics, chauffeurs to replace French Auto mechanics to work on airplanes.
P	179	2	9/24/17	" Have business men bring stenographers and clerks with them.
P	186	5	9/27/17	" Difficult arrange program not knowing what personnel coming.
P	193	1	9/30/17	" Supts. & personnel needed to construct roads.
P	211	11	10/10/17	" Demand for 16,000 mechanics to replace French workers reduced to 12,000. French will supply tonnage if speed limit is reduced. Send as M.T. battalions.
P	216	IC	10/15/17	" Send 25 non-flying officers.
P	221		10/15/17	" Need growing more pressing for business men. See Rosenwald of Sears Roebuck.
P	236	1	10/16/17	" Send copies all orders governing aviation personnel.
P	259		10/31/17	" British offer train 50 Supply Officers.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
SD 193	4	10/ 9/17	PERSONNEL	Students diverted to England to avoid flooding Italy. Must leave arrangements to Bolling.
A 246	IF	10/ 5/17	"	Why were students for Italy diverted to England?
A 266	1	10/12/17	"	Transfer from 1 force to another authorized.
A 291	9	10/15/17	"	Candidates for commissions not entitled foreign service pay as law only allows 100 per month.
A 295	1	10/18/17	"	5000 skilled men assigned A.S. from draft. 15,000 additional listed.
A 306	2	10/22/17	"	Industrial men and 10 business men leaving.
A 317	3	10/25/17	"	All regulations re personnel sent by Col. Burt.
A 336	9	10/31/17	"	Officers from U. S. must not be called for by name. Qualifications only.
A 347	12	10/31/17	"	No further arrangements for foreign training to be made U.S. Assign personnel abroad.
A 367	9	11/ 5/17	"	50 officers coming for supply training.
A 368	2	11/ 6/17	"	Cannot carry S.C. Reserve and A.S. men on same rolls. Suggest transfer.
P 268		11/ 3/17	"	Request authority to carry S.C. and A.S. men on separate rolls.
P 276	16ABC	11/ 5/17	"	Program for shipment of personnel.
P 284	5A	11/13/17	"	Organize personnel temporary squadrons only. Will organize here permanent after training.
P 290	12C	11/18/17	"	Confusion between requests for mechanics for Air Service and 12,000 for French.
P 295	5	11/21/17	"	All personnel to England must report Drexel.
P 310	10	11/25/17	"	Request no more instructions issued to Military attaches re. personnel.
P 322	2-4	11/27/17	"	Is priority schedule being followed. Urge use of draft.
SD 277	4	11/23/17	"	Send 6 mariners expert compass work.
A 428	1	11/23/17	"	Propose American personnel be sent England for mechanics training, to transfer later to France.
A 426		11/25/17	"	Priority schedule will be sent Start Jan. Squadrons and Balloon Cos. Nov. Dex. shipments.
A 444		11/28/17	"	Air Service program differs from project Aug. 9. Should have officer pilots and Balloon squadrons.
A 449	4	11/29/17	"	Need 6 expert gunnery officers England.
A 457	2	11/20/17	"	Cables cancelling cadet shipments should come thru Forshing.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	474	2	11/30/17	PERSONNEL Priority schedule followed except when items ready before others.
P	340		12/ 4/17	" Request all troops bring service records.
P	342	6A	12/ 5/17	" Recommend 2nd Lts. as pilots, Balloon groups commanded by Majors. Will provide in Tables.
P	399	3	12/20/17	" Ambulance repair service not part of Medical Dept.
A	580	3	12/31/17	" New arrivals will have supply of blank forms and service records etc.
A	630	6	1/14/18	" C.S.O. wants copy of all orders con Air Service personnel.
A	721	14	2/ 3/18	" A list of all those requested not belonging to organizations since arrival in France.
A	721	15	2/ 3/18	" In all requests for personnel tell to what prospects they are to be added.
A	750	4	2/ 9/18	" Confusing regarding requests for personnel. Monthly statement of those required should be sent.
A	336	9	10/31/17	" Secretary of War directs that officers be not called for by name but by qualifications.
P	696	8A	3/ 9/18	" Air Service will need bookkeepers, accountants and stenographers.
A	933	3	3/17/18	" Twelve officers who are suggested as administration officers.
P	751	4 IABC	3/20/18	" Photographic personnel sailed March 6. New scheme to be used in requesting personnel.
A	962	IA	3/22/18	" 9 men sailing for radio. 10 more to sail Apr. 1.
A	971	4	3/23/18	" Can supply 3500 men April 3500 men May for production Dept. with manager & Supt. 50 officers now on training. Hq. staff officers to be taken from U.S. and Prod. Div. in France.
P	768	5C	3/23/18	" When was first contingent Industrial personnel sent? Req. brief table of Organ. of Units. 924 p.l. not understood. Report mentioned in 833-R, p. 26, not received.
P	782	4	3/25/18	" Confusion if officers are commissioned in S. C. Rec. future officers comd. in A.R.
P	770	3B	3/23/18	" List of Adm. officers approved. Expedite sailing.
P	808	10	3/29/18	" Recommendations by mail in 971-R just received.
A	1005	IB	3/30/18	" Total authorization officers for air service.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1013	2	3/31/18
P	830	LA	4/ 1/18
A	1016	IL	4/ 1/18
A	1003	3A	3/30/18
A	1021	4	4/ 1/18
P	750	IA	3/19/18
A	1025	2	4/ 3/18
P	844	IB	4/ 4/18
P	847	ID	4/ 4/18
A	1039	2	4/ 5/18
A	1047	5 9	4/ 6/18
P	864	4	4/ 7/18
A	1054	2	4/ 7/18
A	1062	3	4/ 8/18
P	869	6A	4/ 8/18
A	1069	1	4/10/18
		IA	
		IB	
		IC	
		2	
P	898	2	4/13/18
P	891		4/12/18
P	928	LAB	4/16/18

PERSONNEL Personnel shipped week of March 30 th.
 " Schedule of required personnel for radio.
 " Bricklayers and Laborers increased to 27 Comps. 9750 men, 273 officers, placed on priority list.
 " Scheme of shipments in 751-S will be followed.
 " Monthly report of squadrons and aviators must be sent.
 " Personnel as wanted for ground service photography.
 " 3rd and 4th Motor Mechanics Regt. should be used for Prod. Center #2, being well trained for plane work. Others will be sent French.
 " Number officers, flying, nf, balloon and cadets os
 " 100 observers to be sent without gunnery training. Rest to be held for gunnery.
 " 77th division units embarked in March.
 " Admin. officers ordered to sail.
 " 10 radio officers will sail April 15 isn. of 1st.
 " Request for miscellaneous personnel for month ending March.
 " Detailed shipments week April 6th
 " Technical representatives should be stationed at each Air experimental stations for observation. Have they been appointed?
 " Monthly report of squadrons, planes and pilots OS.
 " Personnel will be shipped acc. priority schedule.
 " Out put 750 pilots & observers per month US.
 " 106 sqdns. to be shipped prior to Nov. 1st, kinds of machines for which trained, etc.
 " Is any change in above desired? No agreement should be made with allies for men without conferring with US.
 " Additional personnel shipped week of April 6th.
 " Personnel question in 1069-R IC should be settled by adherence to 891-S, I B.
 " Priority schedule as wanted by Pershing. 10 paragraphs showing necessity for shipments and reasons for reductions.
 " Schedule of personnel as needed for armament requirements.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	TO: (UNIT)	FROM: (UNIT)	DATE	STATUS	REMARKS
		5A		PERSONNEL					Total personnel requirements for meteorological work 21 officers, 214 men. Some now en route.
A	1116	1	4/17/18	"					Graduates for week of April 13.
P	930	3C	4/16/18	"					When can balloon replacements be expected?
P	941	5B	4/18/18	"					Balloon instructors will leave for US in 1 mo.
P	947	1	4/19/18	"					Number of officers & Cadets overseas April 15th.
A	1142	1B	4/21/18	"					Information wanted on strength of enlisted personnel Oct. Nov. Dec. 1917 same for Jan. Feb. Mar. by mail and every month hereafter.
		IC		"					Graduates specialized schools week of Apr. 13.
A	1145		4/21/18	"					Shipment of personnel week of April 20th.
P	959	8	4/20/18	"					Send weekly lists to identify radio personnel.
		8A		"					4 Tech. reps. to be appointed by U S and ordered abroad.
A	1149	4A	4/22/18	"					6 officers ordered overseas for radio work.
A	1160	2	4/24/18	"					Graduates for week April 20th.
A	1171	2K	4/25/18	"					All officers wanted in 864-S 4 not available. Addl. info. wanted to pick substitutes.
P	1016	3B	4/29/18	"					What officers in April 1. for AEF not available?
P	1018	6C	4/29/18	"					Information on strength of enlisted personnel cannot be given. Data req. from Squad. cmdrs.
P	1035	3	5/ 1/18	"					Have superintendent and engineer foreman been selected for salvage and repair shops?
A	1215	3	5/ 2/18	"					Are expert balloon riggers wanted?
A	1215	3A		"					Should 12 clerks for Training Dept. be civilians or enlisted?
		3B		"					Is one compass officer per squadron desired?
A	1220	1	5/ 2/18	"					300 RMA's will be sent, 200 trained for pursuit, 60 bombing, 40 observation
		1A		"					Data on armament officers & personnel to be sent.
		IC		"					Graduates week of April 27th.
A	1222	3	5/ 2/18	"					Difficulty in obtaining personnel for APC #2, embargo. Gill of Dayton Wright can be secured but cannot get him commissioned.
P	1054	6	5/ 6/18	"					Number of officers, flying, nf and balloon May 4.
		6B		"					12 Clerks for Training Dept. should be Enlisted.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	1061	5 5B	5/ 6/18	PERSONNEL Request of personnel for month of April. 8 officers wanted in England.
P	1065	8	5/ 5/18	" Balloon rigger men wanted at once.
A	1260	1C	5/ 8/18	" HP construction troops 2 mos. late. HP parts 4 mos. late. Should squadron personnel be sent without waiting for delay.
P	1083	6B	5/10/18	" Vacancies wanted in rank Col., Lt. Col., Maj., Capt.
A	1271	12	5/11/18	" 8 officers ordered to England.
A	1273	5E	5/ 9/18	" Examinations for flying comms. to be resumed, men in A.S. to have prefer- ence.
P	1107	1	5/13/18	" Send ordnance men mention in 1220-R IA
A	1273	5H	5/ 9/18	" Graduates for week May 4.
A	1286	1	5/10/18	" Personnel called for on monthly re- quest will be sent when selected. 1756 officers already o.s. Those who are not well trained should be sent back to complete training.
A	1295	3	5/12/18	" 29 Officers ordred to report in reply to 864-S4.
A	1299	1	5/13/18	" Data on organization and personnel for APC 2. 3rd & 4th M M regts. to be sent if approval recd.
A	1300		5/13/18	" Con. Shipments of personnel for week May 11th.
P	1098	2A	5/12/18	" No large photo personnel wanted. 3 sec. to July 1 18 to 1919. No Chemicals or E cameras wanted.
P	1118	4E	5/15/18	" 4 admn. officers and 1 civilian wanted.
A	1314	4E	5/16/18	" Number of Vacan. Col., Lt.Col, Maj. and Capt. in A.S.
		4G		" London officers at port of embarkation
A	1318	1C	5/18/18	" Graduates week May 11th.
A	1326	1D	5/18/18	" All personnel in 864-S 4D & 1016-S 3B ready except armament personnel.
P	1124	1L	5/17/18	" Observers should be attached to Air Service so as to receive 25% increase pay, but should be returned to their organizations occasionally so as to keep in touch with same.
P	1140	5C	5/17/18	" Cancel sailing of 300 RMA's if not too late and all flying personnel until further notice.
P	1142	8D	5/18/18	" Semi monthly report officers and cadets ABF.
A	1350		5/20/18	" Con. Shipments for week May 19th.
A	1357	4	5/20/18	" Graduates week of May 18th.
P	1080	3	5/ 9/18	" Need 3rd group Meteorology personnel immediately.

BINDER NUMBER	CABLE NUMBER	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
P	1181	1C	5/24/18	PERSONNEL Rules and regulations wanted concerning flying personnel.
A	1383	7	5/21/18	" Weekly report of organizations wanted
A	1399	1G	5/26/18	" Capt. Wade & Lt. Blakeman wanted in U.S. for training.
A	1394	2	5/25/18	" When can reports on strength personnel be expected?
A	1399	1C	5/26/18	" Suggests replacements be sent to England and AEF draw from there when needed.
A	1404	8B	5/27/18	" Graduates for week May 25th.
A	1401	Con.	5/27/18	" Shipments for week May 26.
A	1418	6	5/29/18	" ASSC officers will be recommissioned A.S., N.A.
P	1208		5/29/18	" List of Air Service officers rec. for promotions.
P	1209	2A	5/29/18	" Not enough tech. personnel to send back one from each division.
		2H		" Not understood what report is wanted. Station list or strength list?
		2J		" Approve plan to send all mechanics to England and draw from there.
P	1215	7	5/30/18	" Reports on strength of personnel ready 1 week.
		7D		" Complete squadron program will be sent when emergency in moving troops is over.
P	1226		6/ 1/18	" H.P. personnel should be coordinated with HP parts sent.
A	1440	3A	6/ 2/18	" Personnel for MTS not available. Subs. offered.
A	1443	1A	6/2/ 18	" Personnel to be sent for Armament.
A	1442	Con.	6/ 2/18	" Movement of troops overseas for week.
P	1237	4	6/ 3/18	" Request 6 balloon cos. immediately.
P	1241	2C	6/ 3/18	" Send 3 photo sections immediately, 1 later.
P	1241	6	6/ 3/18	" Send 5 Supply officers to collect data on equipment manuals and lists of purchases.
A	1445	4	6/ 3/18	" 50 Compass officers ready.
A	1450	6A	6/ 4/18	" Graduates for week of June 1st.
A	1452	6	6/ 4/18	" Names of instructors will be cabled. Regulations on aviation personnel mailed June 3rd.
A	1455	5	6/ 5/18	" Items of Armament personnel ordered to report.
P	1249	1G	6/ 5/18	" Number of officers & cadets overseas June 1st.
A	1467	2E	6/ 6/18	" Weekly station lists desired.
		2J		" Commissions for Managers, etc. APC#2 will be arranged.
A	1476	3	6/ 8/18	" ASSC personnel will be transferred to AS,NA.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
A	1260	8B	6/7/18	PERSONNEL Liberty experts wanted sent to France direct.
P	1277	1C	6/9/18	" Report by months strength enlisted personnel.
A	1479	1D	6/8/18	" Confusion on 864-S 4 due to S.C. and Armament acting separately.
A	1479	3A	6/8/18	" BMA bombers & observers graduating. Are they wanted?
P	1281	7	6/10/18	" 3 Marlin experts wanted.
P	1286	2	6/11/18	" 2 American & 5 French balloon instructors will sail.
A	1492	6A	6/10/18	" Monthly report squadrons & planes not received.
A	1504	1	6/12/18	" Data on all kinds radio personnel which can be furnished.
A	1509	1A	6/12/18	" Could J R Christie lend 2 French stenographers for a Mission to France.
P	1267	2	6/8/18	" Personnel shipments requested for June and July.
A	1316	1	5/14/18	" May schedule cannot be changed. 6 balloon and 3 photo sections coming.
A	1507	3B	6/12/18	" Total officers and men in each grade wanted each month.
A	1508	3C		" Graduated for week of June 8th.
A	1508	2	6/12/18	" 5 2nd Lts. ordered to report for M.T.
P	1291	8A	6/12/18	" Authority and numbers wanted for 6 photo sections to be formed from men now here.
		8B		" Photo sections and repair men wanted.
P	1293	5C	6/13/18	" Weekly station list will be mailed.
A	1515	4C	6/13/18	" Non coms. being sent to ground school for offs.
A	1518	2	6/15/18	" How many vacancies wanted for Air Service ABE?
A	1526	6	6/14/18	" U.S. wants to interchange high officers in training every four months.
A	1530	15	6/15/18	" Replacement program set forth in 1156-S and 1219-S cannot be met.
A	1537	4	6/15/18	" 8 officers who will be sent as instructors.
P	1322	4B	6/17/18	" 590 officers wanted, Supply, Adjutants, Observers, Pilots, etc.
P	1330	2	6/18/18	" Report on total numbers & grade officers & men as of June 15.
A	1555	10	6/18/18	" Do not form photo sections in France as much trained personnel is available in U.S.
		13		" Photo specialists will be sent.
A	1556	2	6/18/18	" Graduates week of June 15.
P	1339	4	6/19/18	" Number officers & cadets overseas.
P	1347	5	6/20/18	" 5 older officers like Capt. Sanger wanted.
P	1349	4A	6/21/18	" Request 6 balloon companies now.
P	1351	3	6/21/18	" Requirements Radio personnel & training & replacement to Jan. '19.

BINDER NUMBER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	1353	2A	6/22/18	PERSONNEL 4 British inspectors being sent to coordinate inspection of HP parts in America.
A	1568	16	6/20/18	" Capts. Sweet & Waterman ordered to report.
A	1569	2	6/20/18	" 24 Lieutenants ordered to report. Armament
P	1365	IC	6/24/18	" 8 Capts. and 12 Lieuts. wanted as Admins. officers.
		IE		" Send outline of training also 50 pilots to England per mo. for HP Squadrons.
A	1556	1	6/19/18	" Promotions result in jumping older officers.
P	1372	ID	6/25/18	" Promotions will be held up for investigation.
A	1602	3	6/25/18	" Capt. Norton etc. ordered to report.
A	1603	4	6/25/18	" All promotions above 2nd. Lt. held up.
A	1604	1	6/25/18	" List of Technical Board.
A	1605	8	6/25/18	" No distinction made between flying and Nonflying officers.
A	1600	Con.	6/24/18	" Shipments of personnel for week.
A	1608	22	6/26/18	" Graduates week of June 22nd.
P	1379	Con.	6/27/18	" Send 43 Squadrons to England, balance to France.
P	1386	11C	6/28/18	" Have the 4 technical representatives sailed?
P	1395	3	6/29/18	" When can cordage and rigging men be expected?
A	1627	19	6/28/18	" 15 Lieuts. ordered to France as observers. 75 Engineer officers ordered to France.
P	1397	2C	6/30/18	" Train 20 flyers for radio telephony. 5 monoplace and 15 HP. Send in Nov. and Dec.
A	1005		6/29/18	" Total personnel authorized per staff per service.
P	1189		5/25/18	" Personnel as wanted by AEF for it's staffs.
P	1240	5ABC	6/ 3/18	" Personnel as wanted by AEF for new Gas and Transportation services.
P	1402	4	7/ 1/18	" Officers will be exchanged with U.S.
P	1403	3C	7/ 2/18	" Advise number of students under training in U.S. Same to be included in weekly report hereafter.
A	1469	5	6/ 6/18	" Junior officers of services.
A	1641	11	7/1 /18	" 43 squadrons will be sent England and 20 France.
A	1642	7	7/ 1/18	" 15 balloon eos. will sail June & July
A	1644	3		" Technical man wanted for airplane dope
A		12	7/ 2/18	" Report no. balloon observers with S.C. & Art.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A 1647	8	7/ 2/18	PERSONNEL Personnel for A.P.C. does not include staff QM Ordnance and Surgeons.
P 1407	4C	7/ 3/18	" Number of vacancies desired for AEF.
P 1408	6A	7/ 3/18	" 5 Supply officers for Supply wanted.
	6		" Major Berrien not wanted as rank too high. Lt. Wanted for Gas Engineer with Capt. Fleiss.
P 1403	3	7/ 2/18	" Advise number of students under training in U.S. in weekly reports of graduating cadets.
A 1653	4	7/ 3/18	" First officers sent for APC #2.
P 1413	10E	7/ 4/18	" Report of planes & Squadrons overseas June 30th.
A 1672	10	7/ 6/18	" 1120 men to England, completes 15000 agreement.
P 1424	2	7/ 6/18	" Designate A.S. personnel as A.S. and not S. C.
	7		" Replacements for August.
A 1680	29	7/ 8/18	" Officers being sent to AEF in exchange for Men to be returned US for training instructors.
	14		" London wants 20 Radio Officers. Are they in addition to 25 wanted by AEF?
P 1435	4B	7/ 9/18	" R.G.Dort sent as Dope man.
P 1692	12B	7/11/18	" Riggers coming first transportation.
	12		" What is item A 719 K?
A 1695	4	7/11/18	" Graduates and under training in US week of July 6.
	9		" Will ship 30 July and 20 August and 15 Sept. (Photo section units)
P 1449	5	7/12/18	" Cable number for 1 balloon Company to be org. here.
A 1701	5	7/11/18	" List of squadrons assigned to sail. 4th Motor Mechanics Regt. to sail next convoy.
A 1703	25	7/13/18	" Should promotions be hold up still?
A 1679	Con.	7/ 8/18	" Shipments of personnel for week.
A 1716	"	7/14/18	" " " " " "
P 1471	2F	7/16/18	" No need of Staff or Hospital at APC2
A 1718	13	7/15/18	" Data on personnel shipments will go by Navy courier.
P 1479	3	7/18/18	" Report of Flying & Non F. officers overseas 7/15.
P 1481	4A	7/18/18	" Continue to cable troop shipments.
A 1722	20	7/16/18	" 30 Ambulance sections, 1 R.G. Hospital sent to Italy with years supply.
A 1725	3	7/16/18	" Graduates and under training week July 13th.
A 1732	10	7/18/18	" How many pilots attached to each English, French and Italian squadrons?
A 1735	7	7/18/18	" Send names of NF officers as fast as they pass IMA test.
	9		" Radio personnel does not agree with 830-S LA.

BINDER NUMBER	CABLE NUMBER	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
GA	52	1	11/15/18	PERSONNEL Graduates and under training week Nov. 7th.
GA	53	2	11/19/18	" Graduates and under training week Nov. 14th.
A	2316	1-5	12/13/18	" All candidates and flyers deserving may be granted commissions in Officers Reserve Corp
A	2325	6	12/16/18	" Names of officers wanted for return to U.S. and duties.
S	624	4A-0	12/ 5/18	" Brief summary Air Service up to Armistice.
S	644	6A	12/18/18	" No. flying and Non Flying Officers AEF. 12/16
X	355	1D	12/14/18	" Air Service Officers arrived without travel orders. Must have orders.
X	365	2	12/19/18	" Collect \$200 each from Aero Sqdns 153 and 222 for erroneous ration settlement in Eng.
S	652	5	12/19/18	" Engineering Unit, Aircraft Section Ordnance leaves about Jan. bringing information on all subjects.
A	2345	Con.	12/25/18	" List of records and statements to be made on each officer issued a Reserve Commission
X	373	10	12/23/18	" Property accounts being procured in States from outfits who did not render in AEF.
A	2356	2	12/27/18	" Brig. Gen. Mitchell wanted in States with stall picked by him.
		7		" 4 officers 2 privates found on Manchuria, without orders. Investigate and report.
S	708	5	12/26/18	" Our proposition to return officers by qualifications. Your request by name cannot be filled. Names of those returning.
S	717	6	12/30/18	" Aero Sqdns. 153 and 222 have complied with request to set aside \$200.
X	380	6	12/27/18	" Send names all aces and honors received.
S	743	1J	1/ 3/19	" Overseas figure officer Jan. 1, 1919.
A	2372		1/ 4/18	" Stowaway officers reported to Lie. Officer on transport that they were told to go home if room was available on transport.
S	769	5AB	1/ 7/19	" Names of all aces.
P	749	5 D	3/20/18	PEUGEOT Eng. Status of foreign order.
P	808	1 E	3/29/18	" Schedule of foreign orders.
P	869	6 B	4/ 8/18	" Statement foreign deliveries to March 28th.
X	91	5 B	9/21/18	PEYERU Can Peyeru stadia be used trench sights
S	198	5 B	9/29/18	" Peyeru stadia are satisfactory for sights
A	702	19	1/28/18	PHOSPHOR BRONZE 7 strand wire developed. Tensile strength 215 lbs.
A	51	1-4	7/24/17	PHOTOGRAPHY Request recommendations on length and speed of lenses.
P	44	6	7/16/17	" Suggest U.S. commandeer all German lenses. Very hard to obtain here.
P	93	1	8/12/17	" 1 expert on photography wanted
P	123	5	8/24/17	" DeRam will be future camera.
P	141	1	9/ 5/17	" Dey here. Request permission of Eastman Kodak Co. to use him.
		2		" Request Eastman Co. to release day for duty
P	148	1	9/ 8/17	" French DeRam appears best. Dey agrees.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
	3		PHOTOGRAPHY
A	115	8/20/17	" Send expert on photography.
			" Photostat shipped. Photo men awaiting passage.
A	172	9/14/17	" 4 men coming with Graflex
A	204	9/23/17	" Get data Cook-Avlar lenses.
P	165	9/16/17	" J.H.Hare, photo expert wanted here.
P	184	9/26/17	" Doy came well recommended. What are reasons for his return to U.S.
P	186	9/27/17	" Stratling Observers School. Send 30 photography students.
P	249	10/24/17	" Send 12 Eastman Co. enlarging outfits.
SD	189	10/ 3/17	" Agreement made with DeRam. Is ready to come to U.S. To produce cameras.
A	249	10/ 5/17	" Photo section wants sample DeRam before ordering. Mfg. British type C and E
A	260	10/10/17	" Ship half order Para Mantois glass to Wallensack.
A	273	10/13/17	" Section organized. Experts coming
	4		" Directions for shipping prints.
A	278	10/15/17	" Cable cost 700 magazines metal aero cameras.
A	302	10/19/17	" Reason for delay Kodak equipment.
A	327	10/27/17	" Deliver Wallensack glass to Bolling
	10		" How about Cook lenses.
A	340	10/30/17	" Get Para Mantois glass.
	4		" U.S. Cameras all automatic.
A	359	10/ 5/17	" Enlarging outfits ordered.
SD	214	10/18/17	" Any progress on glass for Wallensack thru Para Mantois.
SD	216	10/20/17	" No use send DeRam is inventor. Request accept this camera.
SD	227	10/25/17	" Results long focal photos. Do not shorten lenses.
SD	231	10/29/17	" Are U.S. Cameras automatic?
SD	237	11/ 2/17	" 5 lenses for Wallensack, 3 weeks. Balance in two months.
SD	248	11/ 6/17	" Recommend types of cameras to build and criticisms.
P	272	11/ 5/17	" What action to send Student Photogs. etc.
P	287	11/15/17	" Program for shipment of personnel.
SD	249	11/ 7/17	" Qualifications of men in Photo Sections
			" British Type C and E out of date.
SD	255	11/12/17	" Recommendations.
SD	276	11/22/17	" Recommendation types lenses wanted.
			" Barnes recommends cancel British type L orders. Build long focal lengths
SD	286	11/28/17	" Gilbert Doy leaving with samples
A	285	11/11/17	" Misunderstanding focal lengths type C, E and L
A	289	11/14/17	" Bring pressure French Govt. on Para Mantois to get heavy glass. Delay

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	2103	14	10/25/18	PERSONNEL Not understood what kind of squadrons needed Nov. and Dec. priority. Elucidate.
A	2113	7	10/28/18	" Authority granted to form 10 photo sections
P	1848	Con.	10/28/18	" Sailings of 15 photo sections.
S	381	8	10/30/18	" Priority schedule for January.
S	391	5	11/ 1/18	" If pursuit observers unavailable do not cancel 200 replacements.
S	393	1	11/ 2/18	" Capt. Norton has data qualification Eng. OFFs
X	239	1	10/31/18	" Number officers overseas October 31.
		4		" All cables to be sent D. Air Service.
				" Difficulty procuring men, cannot furnish A 977 K until A 838 K complete. Orders issued to personnel sailing. October.
X	234	6	11/ 2/18	" 6 copies DMA weekly progress report sent in addition to weekly letter and reports to Colonel Hatten.
A	2122	Con.	10/30/18	" Personnel assigned to early convoy
A	2134	1	11/ 1/18	" Cannot keep up with priority schedule. sending personnel on following month when left over.
P	1857	1	11/ 1/18	" Enlisted strength of H.P. service and training squadrons. Send in charge of attached officers. Will be officered here.
A	2116	13	10/29/18	" 40 observers wanted for balloon training US.
P	1863	14	11/ 2/18	" Proposed re-org. of Meteorological Service.
A	2132	8	11/ 1/18	" Are 6 flight surgeons wanted?
X	232	6	11/ 2/18	" Will report figures on flyers shipped every ten days. Method of ordering overseas. Figures on shipments June to Oct.
A	2126	10	10/31/18	" Request item numbers for cadets to be sent for observer training.
A	2144	4	11/ 4/18	" Request casualty report flyers October and each month thereafter.
CA	40	1	10/15/18	" Names of liberty experts sent. Can they now be identified.
X	240	1	11/ 5/18	" Officers of MA. Regts. are picked factory men and should be used for HP assembly and APC.
S	410	6B	11/ 5/18	" Request 4 Liberty ignition experts.
		6C		" Difficult to fill request for balloon officers for training U.S. Sending a few complete next month. Send replacements.
S	432	34	11/ 9/18	" Casualty report flyers for October.
S	437	7A	11/10/18	" Send all radio personnel and graduates to England for training and assignment.
P	1877		11/ 7/18	" Pershing reports to Ryan denies rumor that England turn out US pilots not fully trained.
A	2147	10	11/ 5/18	" 5000 untrained men per month coming, also pursuit wings first brigade in November.
		11		" U.S. cannot furnish MA. priority radio personnel if required to fill previous request first.
A	2158	8	11/ 7/18	" 4 men mobilization and supply knowledge etc. wanted in US.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLES	SUBJECT
P	1881	10	11/ 9/18	PERSONNEL Request authority to transfer temporary of ficers to M.P. MTC, Postal, etc. Also to transfer A.S. officers now serving as observers.
X	263	4	11/11/18	" Sailing dates of 192 radio operators.
CA	43	1	10/26/18	" Graduates and under training October 17th.
X	265	3	11/12/18	" Flying personnel ordered to France Nov. 1-12
A	2178	1	11/12/18	" Reorganization meteorological service approved.
A	2182	8	11/13/18	" Armament officers and armorers will still be supplied by Ordnance but trained by A.S.
A	2199	4	11/15/18	" Has arranged between Air Service and C.S.O. by approved by C in C? re radio personnel.
A	2206	Con.	11/16/18	" Authority granted to designate units to be returned to U.S. Cable unit numbers for routing to home camps.
A	2211	Con.	11/16/18	" When casualties are to be shipped to same section of U.S. form Temp. detachment for routing to camps.
X	219	5	10/29/18	" 2 branch research laboratories ready, send priority for same.
P	1887	3	11/11/18	" Send laboratories mentioned above.
P	1897	Con.	11/15/18	" Request authority to send home corps and army troops. gas, tank, A.S. etc.
P	1901	11	11/16/18	" 3 officers being returned to U.S. for duty re. supplies and mobilization.
		11A		" 3 officers being returned to U.S. for training duty.
CS	328	1	11/17/18	" No. flying and non-flying officers with AEF.
CA	44	1	10/29/18	" Graduates and in training week October 24th.
S	477	3	11/20/18	" Report of squadrons on front by types 10/31
A	2215	10	11/18/18	" Authority granted to C-in-C to give JMA's for distinguished service in action.
P	1905	Con.	11/18/18	" Army cut to 30 Dis. Scheme of returning troops to America. Not ready 4 to 6 weeks.
A	2219	1	11/19/18	" Above scheme approved.
P	1904	6	11/18/18	" Agreement between CAS and CSO re radio personnel approved by C-in-C.
S	480	6	11/21/18	" Request for men for APC and Hp projects cancelled.
A	2191		11/14/18	" Policy adopted not to promote or appoint any more temporary officers for emergency.
P	1914	LAB	11/20/18	" 87th Div. being sent back. Numbers of Divs. involved in skeletonizing.
P	1917	1	11/21/18	" Cancel all priority and shipments except as given herein.
CA	50	1	11/ 9/18	" Graduates and under training week of Oct. 31.
S	508	ZE	11/26/18	" Cancel requests personnel for tests.
S	550	9	12/ 4/18	" Casualty figures for November, flyers.
CS	347	1	12/ 2/18	" Report of officers overseas Nov. 30th.
P	1957	12	12/ 4/18	" Situation permits sending home valuable officers for organization, training, etc.
S	564	6	12/ 5/18	" Only 2500 DA Form 1 Recd. Are more coming?
CK	60	1	11/19/18	" U.S. desires report of summary A.S. activity in France, training losses, aces, etc.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	2017	6	10/ 6/18	PERSONNEL 38 Liberty Mechanics sent in Aug. replacement. Can they be distinguished without names?
X	146	2	10/ 6/18	" New balloon company number is 102.
CA	26	3	9/19/18	" Graduates and in training week 9/12.
CS	227	1	10/12/18	" Squadron Engineer, Repair and Machine Shop officers wanted.
P	1785	Con	10/12/18	" Serious shortage of balloon companies. 52 requested and only 1 received to Oct. 1.
A	2036	Con	10/ 9/18	" 5 photo sections and 1 balloon Company assigned to early convoy.
A	2043	Con	10/11/18	" 3 Balloon companies assigned early convoy.
S	265	5A	10/12/18	" New list of Technical personnel needed AEF.
X	159	1	10/11/18	" 46 Radio officers, 225 mechanics & 144 operators will be sent October.
A	2051	9	10/14/18	" Pursuit observers not available until Nov. 50 per week. Should repl mts be cancelled?
A	2053	2	10/14/18	" Reasons for shortage flying personnel & estimated output for future.
P	1793	1	10/14/18	" List of men to be sent as req. in A 2007-2.
A	2056	4	10/16/18	" Is personnel requested in Oct. program P 1655- 1B additional to previous requests?
A	2061	7	10/16/18	" 7 Balloon companies sailed, 8 at Port of Embarkation.
A	2062	2-2A	10/17/18	" Influenza epidemic causing delay in shipment of balloon companies.
		1		" Assignments to early convoy.
P	1790	1	10/14/18	" Casualty in flyers July to Sept. incl.
S	285	1E	10/14/18	" Report of squadrons and planes on front Sept.
S	287	7	10/14/18	" All radio personnel A977K needed.
S	291	2	10/15/18	" 40 Officers wanted spare parts depots. like Nelson C. Hyde and Gerald H. Simon.
S	309	10	10/16/18	" 5 Lieuts. telephony wanted in England.
		10A		" Dont confuse A 977K (Aug. and Sept.) and 4838K (Oct). radio personnel. None arrived. Expedite.
X	177	9	10/17/18	" 6 reports progress production and training sent. Are 6 more wanted?
X	182	3	10/18/18	" 6 Copies production on and progress and training will be sent.
X	191	2	10/21/18	" Stenos and typists at port of embarkation.
X	192	6	10/21/18	" Have Col. Woods bring back program prepared by Col. Mauldin on personnel and equipment.
		8		" 76 Radio officers 460 mechanics, 81 operators under orders to sail.
P	1813	10	10/19/18	" All items in P 1655 except 1100 pilots are additional.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
		ID		PERSONNEL
		2		6 squadrons reorganized as Air Parks. Approval and authority to organize squadrons from replacements requested.
		2		" View on transfer to ordinance of A.S. personnel still held as in P 1541-10 U.S. should conform. Disregard final decision and send.
A	2075	2	10/19/18	" Include place and person to whom personnel should report with item no. in request.
CS	250	2	10/18/18	" Flying and non-flying officers overseas as of September 30th.
CP	216		10/18/18	" History of JMA and MA ratings and recommendations re abolishing or changing conditions for obtaining.
CA	34	1	10/ 9/18	" Graduates and under training week 9/26.
		2		" Request organization of H.P. flying crew & England. 80 ready to start.
P	1761	2D	10/21/18	" Request permission to commission in lowest grade be granted to C in H.P.
S	341	5xxx	10/24/18	" 6 squadrons mentioned arrived in England direct. 226th in England and Ireland.
P	1829	IF	10/22/18	" Request authority to organize photo sections from casuls.
		10		" New arrangement of S.C. taking over radio.
		14		" Cable probable floatations soldiers to Jan. None arrived. Send Long Island provisional wing and 5000 untrained to England if necess
CP	217	1	10/23/18	" Full report covering radio with artillery, airplanes, balloon and personnel organization.
A	2085	8	10/22/18	" 5th M.M. Regt. will be sent Dec. Not enough armament men to send 1925. Schedule they can be furnished.
S	349	4A	10/25/18	" Send all flying personnel to France except 50 RMA per month to England for H.P.
S	354	3	10/26/18	" Send classification of pilots and observers ordered to France from June to Oct. and 3 times per month here after.
CX	35	2	10/ 9/18	" Graduated and training week Oct. 3.
		4		" Addition data on A-1021-4 monthly report on squadrons at front classified by plane type
A	2095	6	10/23/18	" Organization tables A.S. #1 to # 31 approved and numbers changed to #601 to #631.
		11		" Cannot supply more mechanics. Must draw from trained personnel in England and will replace. Send figures needed by Col. Woods.
A	2100	Con.	10/24/18	" Personnel assigned to early convoy.
S	361	4B	10/27/18	" No training or personnel report received except weekly summary letter. Is this all?
K	211	6	10/26/18	" Use 4 extra officers sent under A 5123 K for 4 requested under A 5141 K.
S	366	1	10/26/18	" Instructions as to calling for Officers by name limit requests to particular qualifications.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
S	8088	3B	8/13/18	PERSONNEL: Expedite coordination staff personnel reqmts.
P	80125	4	8/14/18	" Reg. AC Clark Co. men be commissioned ordered here for duty under Major Berrien.
S	4	6	8/11/18	" Balloon companies should be sent with full complement of officers.
S	12	5	8/15/18	" All personnel asked for badly needed here.
A	1849	18	8/13/18	" 125 RMA's ordered overseas.
A	1842	4	8/13/18	" What is organization for Supply Squadron and Balloon company?
A	1844	9	8/14/18	" Replacements will be sent as soon as possible including specialists. Majority probably not before middle of month.
P	1596	1B	8/14/18	" Rec. for promotions to Lt. Col. & Col.
P	1606	1H	8/17/18	" Organization for Multi engine squadron. Organization of Supply squadron and Balloon Company being arranged.
CS	25	1	8/17/18	" Overseas figures as of August 15th.
A	1846	17	8/17/18	" When can Strength reports for May & June be expected?
A	1857	7	8/19/18	" Authority granted to fill vacancies from ANF.
S	33	3C	8/21/18	" Send 7 construction squadrons available.
		3E		" References to tables of construction.
		3F		" 5 officers wanted familiar with oxygen app.
		3H		" Send man to take charge of drop bombs in place of Capt. Ewell.
X	15	5	8/20/18	" List of officers for group & wing commanders.
A	1870	Con.	8/23/18	" P 1569 calling for 41,000 men cannot be met. Send reason for need of all this personnel.
P	1623	Con.	8/24/18	" New program and needs to July 1919.
A	1873	1	8/24/18	" Status of supply of pilots and observers. Are cadets wanted. Reported in America that officers held at base port.
A	1874	2	8/24/18	" P-155-1 amended reads A.S. Aeronautic
A	23	1	8/24/18	" Have 6 Cpts. & 14 Lts. reported to Co-ordinate?
		3		" Rigger and cordage men shipped. F.S. lahm departure uncertain a/c physical condition.
A	1860	11	8/20/18	" Col. Dodd & Maj. Page wanted in U.S.
		12		" 12 photo sections sailed, 14 on priority.
S	33	3	8/21/18	" May & June strength reports mailed Aug. 12.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT SUMMARY:	
X	24	3	8/24/18	PERSONNEL Cable recommendations on list Technical personnel delivered by Northrup.
A	1887	Con.	8/27/18	" Squadrons assigned to convoy.
P	1643	Con.	8/30/18	" List of priority cancellations. Send replacements. Extend training. Personnel needed urgently.
S	72	8A	9/ 2/18	" Want to retain Lt. Col. Hall as Chief of Technical Section.
CS	100	1	9/ 2/18	" Officers and Cadets overseas. Aug. 31.
A	1899	10	8/31/18	" Draw as needed from England and organization new units will go on in U.S. to replace. Draw 10 squadrons per month.
X	41	3	8/31/18	" Cannot supply 7 construction sqdns. a/c short.
S	82	1	9/ 4/18	" Arrangements made for drawing on England about 5000 per month.
		IA		" Officers sent not mature enough for Co-Ord. Staff.
S	82	1H	9/ 4/18	" Send 6 representatives of Airplane Mfg. concern to England and France.
A	1904	Con.	9/ 1/18	" John D. Ryan coming to investigate needs for personnel requested in P 1623.
S	87	4A	9/ 5/18	" Definitions of Fitters, Cabinet makers, and Electricians used in Tables of Organization.
S	90	IC	9/ 5/18	" Send 15 lubrication engineers.
S	100	2C	9/ 7/18	" Send personnel as per Northrup report X24-3
S	105	6B	9/ 8/18	" Monthly report planes and flying personnel.
S	109	3A	9/ 9/18	" Divide balloon companies of 200 in halves & add 70 recruits to each & send over.
P	1655	Con.	9/ 3/18	" 4 page cable personnel priority for October.
P	1667	2	9/ 7/18	" Cancellation of squadrons in order to send 300 obs. and 140 night bomb gunners H.P.
A	1905	3	9/ 3/18	" Method of selection and status air service adopted in U.S., should apply to A.E.F.
CA	7	5	8/16/18	" List of RMA's ordered to France A 899 K.
A	1922	6	9/ 7/18	" Promotions to Lt. Col. & Col.
CP	172		9/ 7/18	" Summary of personnel various cables and as wanted in October with Strength figures.
P	1674	5	9/ 9/18	" Organizations of balloon wings, groups and squadrons.
P	1678	Con.	9/12/18	" Program of troops for November.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
S	117	IC	9/11/18	PERSONNEL Borrien's report and request for personnel approved.
S	131	ID 4	9/14/18	" 40 typists and 25 stenos wanted. Send 50 RMA to England per month for training.
X	73	4	9/14/18	" Is A1048 K duplicate of A 5021 K ?
P	1680	1	9/12/18	" Needs for propaganda balloon work.
A	1940	1	9/12/18	" Reconsideration wanted on transfer of Ordnance men to A.S. & reasons.
A	1945	Con	9/14/18	" Item numbers assigned to Oct. Replacements.
S	145	6	7/17/18	" Request for three officers like Rowe, Quinlin.
CS	144	1	9/17/18	" Report number overseas Sept. 15.
A	1948	1	9/17/18	" Is a 5th M.M. Regiment wanted?
P	1701	Con.	9/18/18	" Priority of personnel for December each service.
A	1961	Con.	9/19/18	" 4 Balloon Cos. assigned convoys.
X	84	6	9/18/18	" Tables being changed to 170 men Balloon Cos., U.S. 11 under orders.
P	1712	7	9/21/18	" 5th M.M. Regt. wanted in Oct. If not available send in Nov. & Dec. substitute equal number troops Oct.
A	1964	11	9/20/18	" List of officers as wanted in U.S. for specialized schools.
S	164	3	9/22/18	" 12 Technical officers & 5 stenographers needed.
X	92	6	9/23/18	" Stenographers & typists being selected from field.
X	92	9	9/23/18	" 1st 50 RMAs ordered to England. Send copy Training agreement & cable nature of same.
X	94	5	9/21/18	" Estimated flyers to be sent. Numbers in training and how divided under specialized work.
A	1969	8	9/21/18	" Error in totals of squadrons P1623-8
P	1713	1	9/21/18	" Monthly shipping phase of troops combatant & S.O.S. to June 1919.
CA	16	1	8/30/18	" Number students under training 8/22 and Graduates week of 8/22.
Cp	189	Con.	9/21/18	" Summary personnel & item numbers for Nov. shipment.
S	183	9C	9/26/18	" P1569 - IF asks for radio mechanics & operators. A1855-6 acknowledges only operators.
P	1722	1A	9/25/18	" Change tables to omit airplane & balloon observers. Are to be supplied by A.S.
A	1975	3	9/24/18	" Motor Mech. Regt. Changed to A.S. Mech. Regt.
A	1976	14	9/24/18	" 6 Pursuit pilots & 6 corps Army observers needed for training U.S.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	1727	7	9/27/18 PERSONNEL Number of observers at Long Island wanted. Can mechanics be supplied to fit program.
A	1986	Con.	9/26/18 " Personnel assigned to convoys.
A	1993	1	9/27/18 " Impossible to ship 5th M.M. Regt. Oct. Not enough men to ship troops in their place.
S	191	2C	9/27/18 " EMA for England will be trained for pursuit and 1 day bombing.
X	110	2	9/26/18 " Electricians trained on telephone work. Separate course for ignition men. Change classification.
X	110	3	9/26/18 " No technical personnel list received from Major Northrup. Note: This is contrary to X 24-3 which states list was received.
CA	19	10	9/7/18 " Graduates & number in training schools U.S. 8/28.
CA	21	2	9/11/18 " Graduates & number in training schools U.S. 9/5.
S	207	3	10/1/18 " Lt. Robb familiar with electrician & trades of squadrons.
CP	196	Con	9/28/18 " Item numbers & summary of personnel for December program.
CS	194	2	10/3/18 " Number officers flyers & non-flyers overseas 9/30.
S	221	4D	10/3/18 " Send number for 1 balloon company.
X	139	3	10/5/18 " Disregard 11942. Only 12 HP instr. wanted.
A	2007	2	10/2/18 " 2 day bombers and 2 night bombers & 4 pilots wanted for exchange.
		4	" 140 HP bombers and Observers not substituted for squadrons. 18 pilots & 18 bombers will come October and November.
A	2011	1	10/3/18 " Cable casualties pilots, observers, bombers and observations.
A	2018	4	10/4/18 " No. pilots & Observers at Long Is.
P	1738	3	10/4/18 " No. original vacancies now held by A.S. Are 2nd Lts. flying unlimited? Vacancies wanted to Sept. 30.
P	1744	3A	10/3/18 " Shortage of observers and pilots and recommendations for overcoming it.
P	1753	ID	10/5/18 " Names of officers to be returned to U.S. as instructors.
P	1760	1	10/6/18 " When can balloon companies be expected. Using 6 French Balloon companies now.
		IA	" All A.S. troops and replacements must go to England.
		IB	" Do not assign commanders to HP units. Send flyers as per table #25.
P	1766	2	10/8/18 " Send 5th M.M. Regt. December, sending 1925 Ordnance men for armament in place. Urgent. Cancel squadrons if necessary.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1738	13	7/19/18	PERSONNEL Casual Ballon Company's number 69.
P	1489	3A	7/19/18	" Want authority to accept cand. below 21.
		3C		" List of officers to be sent US as instructors.
P	001		7/19/18	" Reason for cabling sailing reports.
P	004	1	7/20/18	" 10 flying officers wanted for Group and Wing Commanders.
		4		" Data on Photo sections. 10 men wanted per section to bring up to required number.
A	1743	10	7/19/18	" Assignments of troops to convoy by cable discontinued.
A	1760	8	7/22/18	" Shipment of troops will be cabled until your reasons for cabling are received.
A	1767	5	7/23/18	" What are photo personnel requirements after July?
A	1759	9	7/22/18	" Is personnel wanted for Ground School in France?
		10		" All A.S. personnel will be so designated.
A	1769	7	7/24/18	" What is composition of Caproni sqdn?
		8		" When can strength return be expected?
A	1764	1	7/23/18	" Accountability report and affidavit to be made by discharged officers before return to U.S.
A	1768	25	7/24/18	" Officers assigned for study AEF and return U.S.
P	1491	8	7/20/18	" Grades of enlisted personnel for Photo sections.
A	1774	IP	7/25/18	" Should Ordnance Personnel with Armament Div. be transferred to Air Service?
A	1778	Con.	7/25/18	" Squadrons assigned to early convoys.
A	1781	13	7/26/18	" Cannot supply all pilots need. Lack of Pursuit.
P	1527	2A	7/28/18	" Data on pilots attached to foreign squadrons.
A	1789	18	7/29/18	" 1 HP squadron ready. Other as per priority.
A	1790	3	7/29/18	" 3 pilots for Caproni & 3 for HP wanted.
		5		" Authority to commission flyers between 19 and 21.
P	1536	11B	7/30/18	" Letter on strength returns not received.
A	1803	Con.	8/1/18	" Personnel assigned to early convoys.
P	1533	1	7/29/18	" Troops will come without unit equipments. Same should be sent separately to be issued in France after arrival of units.
P	1551	3C	8/2/18	" Squadrons returns August 31. Earlier returns not available.

BINDER CABLE LETTER NUMBER	PAR. NO.	DATE OF CLAIMS	SUBJECT MATTER:	
P	1552	3A	8/ 2/18	PERSONNEL Radio personnel requirements in Org. tables.
P	1554	7	8/ 2/18	" No ground school personnel wanted.
P	CC90	3	8/ 3/18	" Send Aerial Gunnery school personnel.
P	1559	1	8/ 5/18	" Report on number of officers overseas. August 1.
		ID		" Officers rec. for promotion to Lt. Col and Major.
		5		" Cancel recommendations for promotions in 1208-S 1 in view of later recommendations.
P	1533	5	7/20/18	" If pilots cannot be sent, send best IMA's for Sept. 20th.
A	1816	8	8/ 7/18	" Method by which officers will be promoted.
		11		" Radio operators for Artillery to be trained by A.S.C.A. requested A.S. to train it's radio operators.
A	1824	Con.	8/ 9/18	" Balloon Co. No. 68 cancelled request.
A	1827	1	8/ 9/18	" Troops assigned to early convoys.
F	1568	8	8/ 7/18	" What personnel is required for propaganda balloons?
F	1569	IAB IF	8/ 7/18	" Capts. Boerse and Hoscart will go as experienced calibration calculation (See 1685-R 7)
P	1573	IJ	8/ 8/18	" Priority Schedule for August and Sept.
P	1574	IAB	8/ 9/18	" Air Service priority schedule August and Sept.
P	1577	4A	8/ 9/18	" Outline of policy AEF regarding observers.
P	1573	IJ	8/ 8/18	" New organization of each type of squadron.
P	1577	4A	8/ 9/18	" None of Photo section in 1265 have arrived. Renew request to organize 6 sections here.
P	1578	3A	8/ 9/18	" Outline AEF policy regarding observer
A	1831	2	8/10/18	" Renew request to organize 6 photo sections.
		4		" Hangar sqdn. #496 probably in error, 496 here now.
P	1588	1	8/12/18	" Aerial gunner personnel ordered overseas.
P	1590	LA 4	8/12/18	" 8 observers ordered O.S. 10 more within week, balance two weeks.
S	SOS1	6B	8/ 9/18	" Replacements wanted for Aug. & Sept.
S	SOS6	8A	8/12/18	" Specialists wanted with replacements.
				" Request 5 rep. Sqn. each Aug. & Sept. to England. Req. 10 repair & 5 supply each Aug. Sept. to France.
				" Request 2 officers with Adm. experience like Major JR Moulthrop and Lt. Co. JR White.
				" Item A 939 K urgently needed.

BINDER LETTER	CABLE NUMBER	PAR. NO.	Date of CABLES	SUBJECT MATTER:
				PHOTOGRAPHY:
X	295	3	11/21/18	123 type L cameras floated Sept. 23rd.
X	303	4	11/23/18	Change in specs. photo trucks will delay advice.
Y	327	6	12/2 /18	Film "Fit to Fight" shipped Dec. 3rd.
S	535	7	12/1 /18	No more photo trucks or trailers wanted.
CX	60	1	11/19/18	Report desired activities in France
S	639	8	12/17/18	Some outfits neglected to make property return. Got return in U. S.
X	373	10	12/23/18	Property accounts being procured in States from units failed render same in AEF
X	668	7	12/21/18	34 DeRams on hand. Orders cancelled. Are any wanted in U. S?
X	380	6B	12/27/18	Cancel DeRam contract. None wanted U. S.
A	764	10	2 /11/18	PICK AXES: Shovels, pick axes and wheel barrows being shipped U.S. has no info on tool situation in Europe
A	7		6/27/18	PIERCE ARROW: Suggest you send man from Pierce Arrow to Lorraine Dietrich factories
A	2078	23	10/19/18	" Hoyt advises changes in contract Wright Martin for Hispanos a/c extension of Pierce Arrow contract.
S	72	8	9/ 2/18	PIERCE BERTSCHE Device for balloon inflation not suitable.
A	51	1-2	7/24/17	PIGEONS: Information will be cabled regarding men and officers pigeon fanciers.
SD	232	4	10/30/17	" What is status shot guns, shells & Pigeons?
A	373	9	11/7/17	" Clay pigeons and shot gun shells sent Sept.
A	35	2	7/15/17	PILOTS: Training of pilots in England not decided
				Orders requested for 70. Matter of students being handled expeditiously.
A	40	1	7/20/17	" Italy offers facilities for training 500 of our pilots, also 2 balloons at Bordeaux.
A	10	3	7/11/17	" Programs for pilots & mechanics approved
SD	1	1	6/26/17	" When did 70 pilots sail?
SD	6	1	6/26/17	" Send 100 pilots per month until schedule of training in France is met.
SD	16	1	6/28/17	" Air Board agrees to train 100 pilots England and 100 Canadian schools continuously. Important take advantage this offer.
SD	25	1	6/30/17	" Cable regarding pilots for training France
P	37	10	7/11/17	" Holding vacancies in French schools for 70 flyers requested in 4 Have they sailed?
P	54	1-3	7/20/17	" Information relative to pilots requested and plans for training.
P	78	101	6/7/17	" Push training to limit. Send every available pilot.
P	118	1	6/22/17	" Send more, either trained or untrained.
P	123	4	6/23/17	" Send program arrivals in France to July 1.
P	139	17	9/5/17	" Send 400 untrained pilots per month.
P	151	3	9/10/17	" Cannot estimate how many pilots can turn here until U.S. informs how many will send.
A	102	1	6/12/17	" Contradiction in number of pilots to be trained abroad. How many will be trained and when.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CLAIM	SUBJECT MATTER:
A	134	2	8/26/17	PILOTS: Will send 100 per month to England and France starting with September.
A	165	2-1	9/11/17	" 500 students for Italy coming. 150 at once.
A	182	3	9/18/17	" Cannot transport students, lack of clothing 150 for Italy sent.
P	319	1A	11/27/17	" Recommend abolish increased pay for flyers and ranks of M.A., J.M.A., etc.
A	373	8	11/7/17	" Policy in U. S. to commission as soon as R M A passed.
A	444		11/28/17	" Air Service program differs from project Aug 9th. Should have officer pilots.
A	474	9	12/5/17	" Recommendations on pay civilian and enlisted candidates. \$312 per month.
P	342	6A	12/5/17	" Rec. 2nd Lts. as Pilots. Will provide in tables.
P	373	1	12/10/17	" Italy considering plan of training in US
A	993	1C	3/29/18	" No. graduates will fit schedule in P702-4
A	1035	1C	4/5/18	" Number graduates week March 30th.
		1C		" Correction no. graduates week March 23rd.
P	869	6A	4/8/18	" Monthly report no. overseas.
A	1069	1A	4/10/18	" 750 pilots & observers per month output US
A	1080	1E	4/12/18	" Number graduates week April 6th
A	1116	1	4/17/18	" Report for week of April 13th
A	1142	1C	4/21/18	" No. graduates specialized school wk.4/13
A	1160	2	4/24/18	" No. graduates week April 20.
A	1214	2B	5/2/18	" 6 experienced pilots wanted for duty for new testing squadron to be formed in U.S.
A	1220	1-C	5/2/18	" No. graduates week April 27, 1918.
A	1273	5-H	5/9/18	" No. graduates week May 4th.
P	1096	1-D	5/11/18	" 6 pilots will return for testing squadron
A	1326	1-C	5/18/18	" No. graduates week May 11th.
A	1357	4	5/20/18	" No. graduates week May 18th.
A	1366	3	5/22/18	" Is Medical Board for classification of pilots?
A	1404	8-B	5/27/18	" Graduates for week of May 27th.
A	1419	5-A	5/28/18	" Have 6 pilots sailed?
P	1225	2-B	6/1/18	" Samples of pilot equipment being collected
A	1450	6-A	6/4/18	" Number graduates week June 1st
P	1268	5-C	6/8/18	" 6 pilots will be sent charge Maj.C.A.Rice
A	1507	3-C	6/12/18	" Graduates week June 8th.
P	1322	4-B	6/17/18	" 590 officers wanted; Sup. Adj.pilots, etc.
A	1556	2	6/19/18	" Graduates week June 15th.
P	1365	1-E	6/24/18	" Send outline of HP training & also 50 pilots for HP training in England
A	1608	22	6/26/18	" Graduates week June 22nd.
A	1665	15	7/5/18	" Graduates & total under training US 6/29/18
A	1695	7	7/17/18	" Send pilot with knowledge calibration calculation
		4		" Graduates & under training week 7/6/18.
P	1454	8	7/12/18	" A weekly shipment wanted.
A	1725	3	7/16/18	" Graduates & under training July 13th.
A	1733	10	7/18/18	" How many pilots attached to each English, French & Italian Squadron.
A	1781	13	7/26/18	" Cannot supply all pilots needed; lack of pursuit.
A	1783	12	7/27/18	" Cannot furnish all on account of monthly requirements
P	1527	3-A	7/28/18	" Data on pilots attached foreign squadrons
A	1790	3	7/29/18	" 3 pilots trained on HP and 3 on Capronis wanted
P	1556	3-G	8/4/18	" No pilots trained on HP; will send 3 pilots trained on Capronis

BINDER NUMBER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	403	5	11/17/17	PHOTOGRAPHY Return Day with samples approved cameras.
A	408	6	11/16/17	" Plate cameras being copied.
		7		" 3 types cameras being build High grade lenses important.
A	421	6	11/23/17	" Instruction given in British system. Will send 20 men to England.
A	438	1	11/26/18	" No cause to cancel orders. Standardizing schools.
A	443	4	11/28/17	" Advise re shipment Lewis gum cameras
P	382	2	12/11/17	" 4 Lts. and 5 supply sergeants wanted.
P	286	4B		" Bloomfield will sail with 2 experts.
P	410	8E	12/23/17	" Info. on shipments of cameras and laboratories.
P	410	8F	12/23/17	" 20 Lewis gum cameras shipped
P	421	6	12/28/17	" DeRam cameras considered best. Study and proceed with production. Deg. bringing data.
A	530	1	12/20/17	" Still and motion Col. Willis and Maj. Barnes fail to read reports.
A	530	12 AB	12/20/17	" Organization method recommended.
A	540	11	12/21/17	" Does Day bring last word Shall we follow his ideas.
A	552	6	12/23/17	" Shipment of supplies
A	575	6	12/30/17	" Have adopted 10"20"40" lenses. No English equipment adopted.
P	524	1E	1/23/18	" Personnel per schedule earnestly urged.
P	533	4B	1/25/18	" Drawings wanted to study installation of armament. Wireless photography.
P	453	4		" Air and land to be separated.
P	459	5C	1/ 6/18	" Five (5) Officers wanted and fifteen (15) laboratory men.
A	663	4	1/21/18	" Two Lieut, ordered to report for duty.
A	608	8	1/ 8/18	" Metric standard adopted.
A	703	7	1/28/18	" Order placed with M.A. Leese Wash. D.C. Details later.
A	716	4	1/30/18	" Program cut 50 %. Delivery one month later.
P	573	1A	2/ 5/18	" Date on kinds of personnel wanted for each unit. Number of sections wanted Mar. April. May. June.
A	645	P.7	1/18/18	" Officers and laboratory men being sent.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
P	573	IB	2/5/18	PHOTOGRAPHY: Long focus lenses wanted. Make effort to produce crown barium glass. French have none. Infor. wanted on camera and laboratory apparatus.
P	575	2F	2/8/18	" Report received that Bausch & Lomb have solved heavy barium. Information wanted.
P	579	6A	2/7/18	" Personnel program sent 2nd time as 573-P IB.
A	764	.2	2/11/18	" Number wanted of trucks and trailers required. Mail report of progress.
A	764	.5	2/11/18	" Amt. of trucks ordered, and estimate on delivery.
A	771	6	2/13/18	" Barium crown glass not available. Schedule of shipments for Bausch & Lomb lenses.
P	518	1 C	1/21/18	" Requirements for long focal lenses wanted. Request status order placed July 23 for photographic material. Material not rec'd.
A	615	8	1/10/18	" Maj. Decker not in charge. No reports have been mailed.
P	620	1	2/19/18	" French behind on production. Data given on amounts and kinds of cameras wanted.
A	788	7	2/14/18	" Will observers be used like French Escadrilles
A	828	9	2/25/18	" 5 weeks required to equip planes with cameras.
P	653	4 D	2/27/18	" Camera suspensions can be installed over here. Day brought drawings. Will send duplicates.
		4 E		" Observers must know camera but not necessary have laboratory experience.
A	855		3/3/18	" 2 sections equipped will leave shortly. Data on cameras which are being built.
P	691	7 E	3/7/18	" Tardieu cables that US can produce lenses. French unwilling to give up lenses in view of this. Is Bausch & Lomb making lenses from imported stock or US stock?
P	700	5 A	3/10/18	" Contradictory information making trouble. Facts and specifications on lenses wanted.
A	953	4	3/17/18	" Photographic personnel sailed Mar. 6th.
P	755	9	3/21/18	" List of supplies which should be brought as personnel baggage.
P	764	5	3/21/18	" Request for lenses for DeRam. Also request 15 Mottlau cameras. Report wanted on Eastman film camera. No more officers wanted above Lieut.
P	799	1	3/28/18	" Investigation wanted of McIntyre automatic photo printer.
A	966	1 D	3/28/18	" Are hand held cameras wanted? DeRam still experimental.
A	1016	1 E	4/1/18	" Equipment req. in 755 S9 will be sent
P	750	1 A	3/19/18	" Equipment, and personnel wanted as for ground service, photography.
P	827	2	4/3/18	" Are lab, trucks included for air service? If so rec. equipped with electric plant.
P	858	7A	4/5/18	" List of supplies wanted.
A	1053	1	4/7/18	" Lenses and cameras as requested in 764P will be shipped. Poor showing on Eastman camera.

BINDER NUMBER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	TO/FR	NO.	DATE	REMARKS
A	1062	1 B	4/8/18	PHOTOGRAPHY:				Investigation of McIntyre Printer being made
P	882	2	4/10/18	"				Stiles of Bausch & Lomb has pictures of Rhine cities taken from Balloon which are needed by Air Service AFP.
		2 D		"				No hand held cameras needed. Long focal lenses wanted.
A	1094	1 C	4/14/18	"				1 photo truck and trailer per section. Shipping schedule.
P	910	1	4/14/18	"				Equipment for land photo S C must be kept separate from Air Service photo.
A	1104	6	4/16/18	"				933 Ap. 4 refers to land not air photography.
A	1085	1 A	4/24/18	"				Data on construction of McIntyre printer.
A	1174	1 B	4/25/18	"				90% of supplies will be shipped May 1st.
A	1175	1 B	4/25/18	"				Lenses to be sent. Information wanted on proportion of planes in France for photography.
A	1181	2	4/26/18	"				Send equipment lists for squadrons and photo supplies.
A	1230	8	5/2/18	"				Stiles of Bausch & Lomb has photos of 13 cities Will be sent.
A	1251	10 B	5/6/18	"				No reports received. Capt. Gordon wanted U S
P	1067	1 B	5/8/18	"				Lenses and cameras wanted. Data on cameras per squadron.
A	1253	1	5/8/18	"				Tonnage shipped during April.
A	1265	3 A	5/8/18	"				Photos of Rhine cities being sent.
P	1098	2A	5/12/18	"				No large photo personnel wanted. 3 sections b July and 18 to 19191. No chemicals wanted.
				"				No E cameras wanted.
P	1102	2	5/13/18	"				Allotment of cameras and lenses. Maj. Cousins, Capt. Proctor and Gordon bring reports. McIntyre printers wanted.
A	1273	5 G	5/9/18	"				No more 2nd hand celluloid films wanted.
P	1156	Con	5/20/18	"				Program of sections needed
P	1165	2E	5/22/18	"				Status DeRam wanted. Lenses to be mounted here with British cones.
A	1298	2	5/13/18	"				5 officers wanted to collect photo lists.
A	1399	1 B	5/26/18	"				4 sections ready. Should arrange to train overseas.
		1E		"				3 cameras shipped in 3 weeks. Type L is only perfect.
A	1316	Con	5/16/18	"				Not on hand. States 3 photo sections sailed
A	1413	1 H	5/30/18	"				DeRam camera not complete. Details in 1 month
P	1209	2 F	5/29/18	"				Paper and plates are scarce. Send samples
P	1211	1 EQ	5/29/18	"				Priority schedule for July & August
P	1216	3	5/30/18	"				1 officer wanted as instructor
A	1432	4B	5/31/18	"				How many photo trucks wanted in France?
A	1373	4 A	5/23/18	"				Maj. Barnes ordered return to U.S.
P	1241	2 C	6/3/18	"				Send 3 photo sections immediately, 1 more : later.
P	1242	7	6/4/18	"				50 gross films wanted.
P	1241	6	6/3/18	"				Send 5 supply officers to collect lists
A	1462	8 F	6/6/18	"				18X24 plates can be had in U.S.
P	1260	8	6/7/18	"				Ship 6 photo trucks with spares.
P	1267	2	6/8/18	"				Personnel requested shipped June & July.
A	1316	1	5/14/18	"				May Sche. cannot be changed. 3 Photo sections
A	1510	7 B	6/13/18	"				Request equipment and photo section #3 coming. be held. Section assigned later.

BINDER LETTER	CABLE NUMBER	PAR. NO.	Date of CABLES	SUBJECT MATTER:
P	1291	8 A	6/12/18	PHOTOGRAPHY: Authority and numbers wanted for form 6 photo sections from men now here.
		8 B		" Photo specialists and repair men wanted.
A	1515	4 E	6/13/18	" Is Bromide paper or Wellington wanted.
A	1526	5 D	6/14/18	" 3 sections sent. Is it still desired to organize more in France?
P	1326	7 D	6/17/18	" DH will not take DeRam camera without alterations.
P	1330	2 C	6/18/18	" Plates and paper samples wanted.
A	1555	10	6/18/18	" Do not form photo sections in France as there is much available personnel in U S
A	1555	13	6/18/18	" Photo specialists will be sent
P	1340	1 F	6/19/18	" Supply prospects May 31st
P	1345	12 B	6/20/18	" No bromide or Wellington paper on hand.
P	1353	2 B	6/22/18	" Photo conference adopted 18 X 24 cm. as standard.
P	1354	3 ABCDEF	6/22/18	" Order for 3 mos. supply plates, paper and films.
P	1355	7	6/22/18	" Photo sections will not be organized France
P	1366	1 E	6/25/18	" Priority list for July
A	1602	9 A	6/25/18	" Samples plates and paper will be sent.
A	1612	8	6/26/18	" How many photo trucks wanted immediately?
P	1378	3 F	6/27/18	" Supply prospects as of June 15th
P	1393	7	6/29/18	" Ship 65 complete photo equipment units.
A	1641	12	7/1/18	" 18 x 24 cameras will be standard.
A	1644	10	7/2/18	" 18 x 24 ready for production Negative lenses will provide for pilots.
		11		" Films for stereo ready shortly.
A	1655	1	7/4/18	" What is correct size paper wanted for Model L
A	1659	4	7/4/18	" Supplies being procured.
P	1435	4	7/9/18	" 3-7/8 x 5 plates used in British model L
A	1685	8	7/9/18	" Photo section should have 2 chauffeurs instead of 8.
		10		" Assign #3 equipment to section #12.
A	1695	9	7/11/18	" Will ship 30 equipments July, 20 August, 15 September, also 6 photo trucks.
A	1699	7 C	7/11/18	" Photo supplies sent except tools. What progress with DeRam. How many lenses received? How many photo trucks received?
P	1460	8	7/14/18	" What is photographic DH?
P	1467	1	7/15/18	" Supply prospects as of June 30th.
P	1470	7 A	7/16/18	" When were McIntyre printers shipped?
P	CC-4	4	7/20/18	" Data on men in one photo section. Send 10 men per section to make up deficiency.
A	1753	11	7/20/18	" Maj. O'Brien being sent.
A	1767	3	7/23/18	" Data on photographic DH planes.
		5		" What are photo personnel requirements after July?
P	1501	6 A	7/23/18	" Data on general photo outlook AEF
A	1762	15 A	7/23/18	" No McIntyre printers available until Oct.
P	1491	7 B	7/20/18	" Grades of non-coms for photo sections.
P	1507	1 D	7/25/18	" August tonnage priority.
P	1621	2 B	7/27/18	" Do not send type E cameras. Sent type L

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BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF: CABLE	SUBJECT MATTER:
A	1790	8	7/29/18	PHOTOGRAPHY: Were photo trucks complete? What delivery DeRams? No 18 x 24 yet.
P	1532	5	7/29/18	" Send standard printers until McIntyre in production. Send 1 McIntyre for test.
P	CC-55	1	7/29/18	" Supply prospects as of July 15th.
A	1789	17	7/29/18	" Any gun cameras wanted for training
A	1770	17	8/24/18	" What are qualifications for non-coms?
P	1542	6A	7/31/18	" Personnel photo sections in monthly priority Equipment includes 1267 P
A	1802	9	8/3 /18	" Type L cameras will be sent in future
A	1803	Com	8/1 /18	" 4 photo sections assigned early convoy.
A	1809	2B	8/3 /18	" 4 McIntyre printers Sept. 1st Can American Printers be used meanwhile?
P	1558	4B	8/5 /18	" Can U S furnish 500 negative lenses for schools?
A	1812	13	8/5 /18	" Estimate of flotation for Sept.
P	1560	4	8/6 /18	" Ship 100 camera guns.
A	1816	7	8/7 /18	" Folmer camera in production. First delivery in 60 days. Experimenting with film finishing apparatus
A	1827	3	8/9 /18	" Status of camera orders.
P	1569	1F	8/7 /18	" Personnel scheduled to Aug. & Sept.
P	1571	3C	8/7 /18	" Four photo trucks and trailers ready with dark room. 10 DeRam cameras delivered by end of August. Total 150 by Nov. 1st.
P	1577	4A	8/9 /18	" None of photo sections requested in 1265 have arrived. Renew request to organize 6 sections here.
A	1831	6	8/10/18	" Shipping 100 gun cameras & 6000 rolls film Will ship 12 dev. outfits & 100 gun cameras Can furnish 500 negative lenses.
S	SOC 1	6A	8/9/ 18	" Will use French printer until McIntyre ready
S	SOC 2	1	8/10/18	" Supply prospects July 31st
S	13	5	8/15/18	" Approve production of 18 x 24 Folmer. Request brief specs. be cabled London for conference
X	10	14A	8/17/18	" 60 lenses 13 x 24 focus shipped June 29th
S	28	5	8/19/18	" Changes in ests. for September shipments
A	1860	13	8/20/18	" Send 500 negative lenses
X	13	5	8/20.18	" 12 photo sections sailed, 14 on priority.
S	25	1	8/19/18	" Folmer camera data wanted.
S	35	6E	8/22/18	" Tonnage priority for Sept.
X	17	10	8/21/18	" Ship 100 type L cameras with spares & kits
CS	65	1	8/25/18	" How much bromotype paper wanted for gun cameras
X	24	4	8/24/18	" Supply prospects of August 15th.
X	27	4	8/27/18	" Cannot secure condensers for 18x24 Is 9" condenser satisfactory?
S	52	3A	8/27/18	" 500 lens sights will be freighted Sept. 1st
S	58	1	8/28/18	" Float 30 photo unit equipments less transportation.
S	64	1B		" Send 3 developing outfits for Motlau camera
		7A	8/30/18	" Adopting film cameras for long distance reconnaissance
		7C		" Revision of S 13 5
		7D		" Secure 18x24 condensers for enlargements.
				" Are mirrors available for oblique photography
				" Ship 5000 rolls bromotype paper

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
X	1731	8	8/28/18	PHOTOGRAPHY: DeRam deliveries Nov., Folmer Oct.
CA	1	4	8/8/18	" Cable requirements of both 40 photographers and 10 draftsmen ordered to France.
S	71	2E	9/2/18	" Device wanted on Folmer for numbering films
S	78	5	9/4/18	" Send DeRam and Folmer production estimate so we can cable requirements.
P	1665	Con	9/3/18	" Personnel priority for October
CP	172		9/7/18	" Photo sections requested for October
X	48	1	9/5/18	" Type I camera and repair kits on Sep. priority
		12		" 500 negative lenses & cross hairs for DH freighted Oct. 1st.
X	53	8	9/6/18	" How many lighting, photo and radio trucks wanted. Data on those in production.
X	55	2	9/7/18	" No prism or magnalium mirrors available
		6		" No film numbering device on Folmer, will try to devise same.
X	55	1	9/7/18	" Only 1 Motlau film developer available
		3		" Few large condensers. Reflector cones satis.
CS	122	1	9/11/19	" Supply prospects August 31st
P	1678	Con	9/12/18	" Program of troops for November
X	63	4	9/11/18	" DeRams available Dec., Folmer Oct.
		9		" July, 15 photo equipments sent, Aug., 20, Sept., 15. Are more wanted?
S	125	1	9/12/18	" Tonnage priority for October.
X	70	7	9/13/18	" Bromo paper to be shipped as requested.
S	138	3	9/16/18	" 300 Eastman gun cameras extra wanted.
S	138	3C	9/11/18	" Increase bromo paper order to 15,000 rolls
P	1701	7	9/18/18	" Priority of personnel for December
S	151	3A	9/19/18	" Requirements lighting, photo, radio trucks to January
S	151	3C	9/19/18	" Monthly supply of paper wanted.
X	83	3	9/18/18	" Estimate to be floated Nov.
S	161	2B	9/21/18	" Shipping tests indicate photo equip parked old manual & not as per courier revision
X	92	3	9/21/18	" 100 gun cameras to be sent by Oct. 15, 200 Nov
CP	189	Con	9/21/18	" Summary personnel & item nos. for Nov shipments
X	99	2	9/26/18	" Will meet 15,000 roll reqs. Bromo paper
CS	176	1	9/29/18	" Supply prospects Sept. 15 (Clothing)
X	115	5	9/27/18	" 217 photo equipments sent old standard
X	122	5	9/30/18	" Revised standard orders given. How many needed
CP	198	Con	9/28/18	" Flotations photo trucks to late & future program
CX	11	6	9/10/18	" Item numbers & summary personnel for Dec. program
S	226	6	10/4/18	" Est. A.S. tonnage available Oct
S	228	1A	10/5/18	" Captain Proctor's report states USD 9 built to carry DeRam. Request information.
		1G		" Photo material shortage serious. Have man follow photo orders to flotation
S	230	4	10/6/18	" X 115-5 not understood. Are equipments pkd on old or new manual. Send enough for 65 se
X	132	4	10/3/18	" Send 100 Eastman 4x5 cameras and kits
		4A		" Reqs. DeRam & Folmers, Nov. Dec. Jan
		4		" 500 lens frames delayed until Oct. 20th

BINDER CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER		
X	137	11	10/5/18	PHOTOGRAPHY	If special photo planes are built would they be used for reconnaissance? Radio needed?
S	232	3	10/7/18	"	Send 1 photo shutter testing apparatus
A	2036	Con	10/9/18	"	5 Photo sections assigned early convoy.
X	158	16	10/11/18	"	Est. Floatations for November
X	160	1	10/11/18	"	65 unit equipments floated per Jan. list
S	271	1F	10/12/18	"	25 per revised will be sent Oct.
X	158	5	10/11/18	"	Tonnage allotment for November
		6		"	Supplies being traced.
A	2062	1	10/17/18	"	USD 9 will carry DeRam or Film camera
X	166	2	10/14/18	"	Assignments to early convoy
S	287	6C	10/14	"	1 photo shutter testing apparatus will be sent
S	302	5A	10/17/18	"	Photo planes if built would be used for reconnaissance. Need radio.
X	164	8	10/14/18	"	Now in London. Need Photo Sec. in France
X	170	2	10/16/18	"	Will float 150 Eastman, 250 Folmer & 150 DeRam cameras
S	323	3	10/22/18	"	Is propeller or motor drive wanted for camera
CS	253	1	10/19/18	"	When will "Fit to Fight" be sent?
S	330	4	10/23/18	"	Supply prospects Sept. 30th
S	331	6	10/23/18	"	Float sufficient items to bring 65 units to new standard
S	342	4A	10/24/18	"	Send 2 photo planes & USD 9A for test
P	1829	1F	10/23/18	"	Desire Folmer & DeRam equipped with interchangeable propeller and motor drive.
A	2100	Con	10/24/18	"	Request authority to organize 10 photo sects from casuals
X	208	19	10/26/18	"	Personnel assigned to early convoy
X	214	10	10/28/18	"	Lt. Enright released for Photo Section, France
A	2113	7	10/28/18	"	Re-equipping USD9A with Folmer, observation with DeRam, bomber with type L & DH with 50"
P	1848	Con.	10/28/18	"	Authority granted to form 10 photo sections
X	221	4A	10/30/18	"	AEF 15 sections sailed.
X	232	11	11/1/18	"	Priority schedule personnel for January
A	2122	Con	10/30/18	"	Necessary items will be sent to bring 65 photo equipments to completion.
X	239	10	11/4/18	"	How many type L cameras wanted to June.
X	252	13	11/7/18	"	Personnel assigned early convoys
X	258	9	11/7/18	"	In photo planes is dual control necessary?
S	424	4	11/8/18	"	How about gas, oxygen tanks, phone, etc.
		4A		"	Is film "film" "Fit to Fly" meant?
CS	313	1	11/8/18	"	Of 2 special DH planes (photo) 1 crashed, other needed for tests. 1 USD9A will be sent, 2nd in 10 days with Capt. Bragg.
S	439	8A	11/11/18	"	If Folmer is successful, no more type L needed
		8B		"	Can US supply 10" lenses for 18x24 cm DeRam and Folmer.
		8D		"	Supply prospects Oct. 15th
X	276	14	11/15/18	"	Photo truck generators not satisfactory
CS	334	1	11/21/18	"	1 KW not satis. req 3 KW 110 V
				"	Dual control advisable in photo planes
				"	Equipment is Oxygen, phone, 75 gal gas cap.
				"	Recommendations on types of cameras for each type of planes.
				"	Cannot furnish 12" lenses for 18x24 DeRam and Folmers.
				"	Supply prospects Oct. 31st.