

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	1559	1 1-D	8/ 5/18	PILOTS: Officers rec. for promotion Lt. Co. & Maj. Cancel rec. for prom. in P 1208-S
S	12	5	8/15/18	" Personnel asked for badly needed here.
A	1855	7	8/17/18	" 50 HP pilots for England not yet sent; 48 night flyers in three weeks.
S	33	3-B	8/21/18	" Train maximum number of pilots.
C-A	3	4	8/ 6/18	" Vaughn reports HP pilots be trained as radc operators; will comply.
S	82	1-BCDFG	9/ 4/18	" The pilot situation; 1000 RMA's not wanted but send all pilots available; send pilot books; where are the bombers? Cadets not wanted.
P	1655	Con.	9/ 3/18	" Personnel priority for October.
C-P	172			" Summary personnel wanted for October.
P	1667	2	9/ 7/18	" Cancel 2 squadrons & send 300 observers & 140 night bomb gunners for HP
P	1678	Con.	9/12/18	" Program of troops for November.
A	1932	12	9/12/18	" Can day bombing be done with only pilot & observer.
A	1942	5	9/14/18	" Can 12 bombing instructors be spared for H
P	1701	7	9/18/18	" Priority of personnel for December.
X	86	4	9/19/18	" Not sufficient bombing instructors to send with 3 HP training depot stations; can AF supply 12 men? Note: Think this is duplication of A 1942-5
X	94	5	9/21/18	" Estimated flyers to be sent; numbers in training and how divided under specialized work.
C-A	16	1	8/30/18	" Number students under training 8/22 and graduates week of 8/22/18.
C-P	189	Con.	9/21/18	" Summary of personnel & item nos. for 11/sh ship
S	186	7	9/26/18	" Description of how day bombing is done
A	1976	14	9/24/18	" 6 pursuit pilots & 6 Army observers needed for training US
S	191	2-C	9/27/18	" RMA's for England will be trained $\frac{1}{2}$ pursuit $\frac{1}{2}$ day bombing.
S	205	7	9/30/18	" If 12 night-bombing instructors needed for States we will provide them.
C-P	198	Con.	9/28/18	" Item nos. & summary of personnel for Dec. program.
C-A	19	10	9/ 7/18	" Grads. & no. in training schools US 8/28/18
C-A	21	2		" " " " " " " 9/ 5/18
A	2007	2	10/ 2/18	" 4 pilots wanted for exchange.
A	2001	4		" 18 HP pilots will come October & November.
A	2018	1	10/ 3/18	" Cable casualties pilots & observers, bombardment & observation by months.
A	2018	4	10/ 4/18	" Number pilots at Long Island
P	1744	3-A	10/ 3/18	" Recommendations for overcoming shortage of pilots & observers. No more can be spared
P	1760	1-B	10/ 6/18	" Send flyers for night bombers as per cable #25; observers are officers; no bomber officers; 20 non-coms.
C-A	26	3	9/19/18	" Grads. & in training September 2 th.
A	2053	2	10/15/18	" Reasons for shortage flying personnel & estimated output for future.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	1801		10/17/18	<u>PILOTS:</u> Austrian papers stated Allied aviators dropping propaganda will be executed; desire official reply made.
P	1790	1	10/14/18	" Casualty figures July to Sept; incl.
P	1813	1-C	10/19/18	" All items in P 1655 are additional except 1100 pilots.
C*A	34	1	10/ 3/18	" Grads. & under training week September 26th.
S	349	4-A	10/25/18	" Send all flying personnel to France except 50 RMA's monthly to England.
S	354	3	10/26/18	" Send classification of pilots & observers ordered for France.
C-X	2	35	10/ 9/18	" Graduates & under training October 3rd.
S	361	4-A	10/27/18	" 12 pursuit pilots being ordered to US; request return of Walter Lovell & Walker Ellis
P	1848	Con.	10/28/18	" Personnel priority for January.
A	2121	5	10/30/18	" Austria notified of retaliatory measures if pilots with propaganda were executed.
A	2122	Con.	10/30/18	" Personnel assigned to early convoys.
A	2132	8	11/ 1/18	" Suggest trials to be made of 134 pilots on 15 meter Nieuport.
X	236	6	11/ 2/18	" Will report figures ordered overseas every 10 da. Figures from June to October.
X	235	6	11/ 2/18	" Are pilots using 2 Lewis guns on Scarf mount or has French Tourelle replaced it?
A	2144	4	11/ 4/18	" Request casualty report flyers for Oct. and monthly thereafter.
S	432	3-A	11/ 9/18	" Casualty report flyers for October.
P	1877		11/ 7/18	" Denying rumor that American pilots with British lack training.
C-A	43	1	10/26/18	" Graduates & under training Oct. 17th
X	265	3	11/12/18	" Flying personnel ordered to France 11/1/12.
C*A	44	1	10/29/18	" Graduates & under training October 24th, 1918.
C*A	50	1	11/ 9/18	" " " " " " 31st, 1918.
S	550	9	12/ 4/18	" Casualty figures for November, 1918.
C-A	52	1	11/15/18	" Graduates & under training week Nov. 7, 1918.
C-A	53	2	11/19/18	" " " " " " 14, 1918.
S	769	5-AB	1/ 7/18	" Names of all American aces.
A	686	10	1/26/18	<u>PISTOLS:</u> QUESTIONS on Very Automatic which are answered by Ordnance.
P	574	4-C	2/ 6/18	" Drawings & sample very pistol & ammunition will be sent.
A	961	1-E	3/22/18	" Request 1 35 mm. signal pistol with drawings, etc.
A	799	4-A	3/28/18	" 35 mm. pistol not available.
S	426	1-H	11/ 8/18	" How 35 mm. pistol & ammunition is carried in DH
P	637	6-C	3/ 1/18	<u>PISTONS:</u> Magnalite unsatisfactory substitute for Duralmin for pistons.
A	1016	1-M	4/ 1/18	<u>PLY WOOD:</u> Some plywood for Spad sent; remainder will be waterproofed; is original amount still wanted?
P	924	3-B	4/15/18	" " Plywood with hide glue satisfactory; waterproof remainder; whole amount wanted.
A	1863	1-4	8/21/18	" " Cable ply wood requirements
S	165	5-B	9/23/18	" " Requirements forwarded by courier.
S	243	1-D	10/28/18	" " Requirements of plywood to June, 1919.
S	271	1-F	10/12/18	" " Tonnage allotment for November.
P	100	4-1	8/14/18	<u>POLICY:</u> Matters must not be taken up with French at Washing
P	115	2	8.29/18	" ton and here at same time; confusion will result. Do not advise French officers contrary to Bolling.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	145	5	9/ 7/18	<u>POLICY:</u> Establishment of the automatic supply of material and 90 day reserve
P	151	6	9/10/18	" Bolling has permission to send cables direct re: material, etc. Kenly re training & per Lahm requests inquiry French equipment. Must come thru Bolling not Attache
P	187	2	9/27/18	" English much disturbed over publication in "Flying" of artillery secrets.
SD	194	2	10/ 8/18	" Cannot reduce speed of troop ships
A	291	12	10/15/18	" All settlements with French to be made in US
A	302	14-A	10/19/18	" / All material must be purchased thru Purchase & Supply Section.
A	336	11	10/31/18	" Officers from US must not be called for by name but by qualifications.
P	310	9	11/25/18	" Request instructions be issued no more to military attaches re: personnel.
P	323	1-B	11/27/18	" French say very imprudent publish facts re Air Program; reaction later if not true
A	373	2	11/ 7/18	" Policy in US to commission as soon as RMA is passed.
A	404	8	11/18/18	" QM reports attempt to place orders for truck bodies direct; requirements must come to dept concerned with supply.
A	457	3	11/30/18	" Cables cancelling cadet shipment should come thru Pershing.
S	645	2	12/18/18	" Results of conferences with French re-cancellation & settlements of contracts.
A	2287	3	12/ 6/18	<u>POMATO:</u> US advised that Pomato never received A22472
P	115	6	8/20/18	<u>PONSOT:</u> Sample Joly-Ponsot plug sent.
A	1423	1	5/30/18	" 1000 Ponsot spark plugs being sent for Libet
A	1533	11	6/15/18	" Duffy spark plugs not as good as Ponsot or Champion.
S	369	4-C	10/29/18	" Best plug with Liberty is Ponsot.
A	1029	3	5/ 1/18	<u>PRATT & WHITNEY:</u> P & W Thread millers wanted for Brazier from White.
A	1298	1-D	5/1/318	" " " Parts will be obtained from them
A	1356	7-A	5/20/18	" " " Advise that milling machine for Brazier are for external work only; further information request
P	1209	2-C	5/29/18	" " " French will accept P&W machine with out internal tools, for Brazier.
P	375	1	12/10/17	<u>PREDUX LINKS:</u> Belts requested from French will be forwarded when received.
P	447	2-B	1/ 2/18	" " " Not yet satisfactory.
P	912	1	4/13/18	" " " Schedule as wanted.
A	10	6	7/11/17	<u>PRODUCTION:</u> Ready to match Americans against European for quantity production, etc.
A	21		7/10/18	" Information regarding production program will be of great assistance.
A	40	4	7/20/18	" Plans to machine parts in US assembling in Europe; could manufacture 1000 per & send special representative to discuss plans.
SD	42	1	7/ 1/18	" Suggest manufacture all planes in US & ship by combined English & American labor.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	37	14	7/11/17	<u>PRODUCTION:</u> Must assist Allies by supplying steels, alloys, etc. and wood parts; also establish assembling plants in France & England; obtain production planes & engines in Europe until our home production suffices
		4		Necessary you approve plan for manufacture of airplane parts in US; England & France read to place orders for same.
		7		Do not lose time in experimenting with types planes, production of accepted types is what is wanted.
		14		Arrange to manufacture wooden parts planes in US; must obtain planes & engines here until our production is sufficient.
P	46	7	7/16/17	Decision concerning building of engines & planes; LeRhône 80, Gnome 160, Hispano 200 Bristol Scout & Spad.
P	49	2	7/17/17	Belmont factory under French Government control so cannot deal with it direct.
A	60	1	7/27/17	Return Clark & Marmon with full information on types to be produced & standardization. Prefer to confine types to Gnome, Hispano, Rolls -Royce and LeRhône.
P	88	1	8/ 9/17	US to pay French only for types to be produced; interchange mfg. rights; agree to program.
P	100	3	8/14/17	Agreement planes & engines purchases with French; US deposits money with French & they deliver planes. No dealing with Mfgs
P	3	2-2	9/12/17	Necessary French begin production at once; when will raw material arrive? Need Renault crankshaft;
SD	153		9/10/17	Speed up the production. Must have big production man at once; send H. B. Clark.
A	209	105	9/23/17	Report on status program & production
P	164	3	9/12/18	Needs & duties industrial organization Paris
P	204	2	10/ 5/17	Status Spad, Gnome, Morane, Nieuport, Martin syde and recommendations on production.
SD	183			Plan to divide assembly between French shops no workmen needed
SD	193	6	10/ 9/17	Final arrangements with Italy re: production rights.
SD	194	1	10/ 8/17	Hart O. Boy submits plan to assembly 1000 planes monthly in France cost plus basis.
SD	197		10/ 9/17	Agree plan to have US build great number of day & night bomber DH & Caproni; let France build pursuit chasse.
A	260	1	10/10/17	Do not approve plans assembling in France of anything but night bombers.
A	278	1	10/15/17	Revision of program re: Gnome, Hispano, Liberty, HP, Caproni, DH & estimates
SD	257		11/12/17	Utmost speed needed; estimate French production to May.
SD	260		11/14/17	No change in views; recommendations for production.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	411	1	11/20/17	<u>PRODUCTION:</u> Send data on foreign operations of mfg. rights & percentages.
P	450	1-G	1/ 5/17	" Figures wanted on DH.
A	478	2	12/ 6/17	" Training program.
		2		" Liberty engines & training program
A	491	6	12/10/17	" Bombs, Wimpers low sights, Wimpers high sights Cameras.
A	540	3	12/21/17	" Acitate and alcohol taken by Government. Allocation discussed by foreign commission.
A	565	3	12/26/17	" Combat program.
A	570	10	12/29/17	" Spruce production for 6 mos. sent by messngr French, English & Italian requirements.
P	598	8	2/14/18	" Request latest schedule by months all types of planes; when does 50% cut in production take effect.
A	971	4	3/23/18	" Can furnish 3500 men in April, 3500 May with Mgr. & Supt., 50 officers now on training; Hq. staff taken from US & Prod. Div., France
P	1308	2	6/14/18	" Production height of airplanes reached in Aug Should be increased.
A	33	13	7/14/17	<u>PROGRAMS:</u> Program in 4 and 6 program approved & action will be taken as soon as possible.
SD	8	1	6/27/17	" General discussion of Air program for next yr relation Air Board.
SD	48	1	7/ 6/17	" Result of conference with French on production methods and agreements. which should be made
P	37	12	7/11/17	" 4500 planes contemplated Ribot's cable half bomber half fighter in addition to others.
P	47	2	7/17/17	" French Government offers 1500 Breguet bombers with Renault 300 engines & 200 Spad or Nieuport with 150 Gnome. Will have to supply crankshaft and connecting rods for Renault and also replace raw materials.
P	48	1	7/17/17	" Recommend approval of French offer of 1500 Breguet, 300 hp Renault above.
P	83	2	8/ 6/17	" US program abroad; items in order of importance
P	93	5	8/12/17	" Recommendations revised Joint Board program, materials, training. Hispano, Gnome, LeRhon
				Rolls Royce, Bristol, DH, Spad, Caproni.
P	96	1	8/22/17	" US program figure in A 97-1 too small; figure which should be attained.
P	123	4	8/23/17	" Send program of arrival in France to July 1 of Pilots, mechanics, planes, engines.
A	209	1-5	9/23/17	" Report status program & production most promg
P	164	3	9/12/17	" Needs & duty industrial organization Paris.
SD	197		10/ 9/17	" Agree plan to have US build great no. day & night bombers, DH & Caproni; let France build pursuit chasse.
A	266	3	10/12/17	" What data, plans, specifications shall Waldon bring?
A	278	1	10/15/17	" Program revision & estimate re: Gnome, Hispano Liberty, HP, Caproni, DH.
A	315	1	10/25/17	" Coffin cannot attend conference, outlines general policy.
SD	210		10/17/17	" Recommendations increase rotary & expand training with Gnome & LeRhon.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
SD	241	1	11/ 6/17	<u>PROGRAMS:</u> Request information final building plane program.
P	276	16-ABC	11/ 5/17	" Program for shipment of personnel
P	323	2	11/27/17	" French say very imprudent publish facts re': Air program; reaction later if not true.
SD	252	1	11/ 8/17	" Situation changes; recommendations for single and 2 seater planes.
SD	257		11/12/17	" Utmost speed needed; estimated French production until May.
SD	260		11/14/17	" No change in views; recommendations for prodn.
SD	273	1	11/20/17	" Building program LeRhone & Gnome.
SD	284	3	11/28/17	" Mail changes in Equipe Div. Program & order
SD	294	2	12/ 4/17	" Waldon says assembly over here of pieces shipped from US most logical
A	431	5	11/23/17	" No. of planes squadrons will need; should program be increased.
A	444		11/28/17	" Air Service program differed from project Aug.9 should have officer & balloon squadron pilots.
A	449	1	11/29/17	" Get French & English production schedule.
P	360	2	12/11/17	" No advisable increase night bombers
		3		" Pershing requests no extension Air Service program in view tonnage problem.
A	478	2		" Combat airplanes all kinds
	517	9		" Bombs gas & incendiary data wanted
A	513	1		" No steps to increase aviation.
A	540	5		" Statement of deliveries wanted by Aircraft Bd.
A	543	1	12/23/17	" Confidential sent by messenger.
R	565	3	12/28/17	" Combat DH-4, DH-9, Bristol, HP & Caproni motor production.
A	716	4	1/30/18	" Changes in; delivery of supplies cut 50% delivery on month later.
P	981	3	4/24/18	" C. in C. and S.O.R. projects as amended by Burt, Drum, Barber board give air service program; 30 Handley Page squadrons in addition to above.
P	760	1	3/21/18	" Reduction in program not desired act military importance; question being studied.
P	711	3	3/11/18	" Should originate in AEF & for proven efficiency only.
P	1208	2-A		<u>PROMOTION:</u> List of officers recommended for promotion.
P	1429	6-A		" Will look into promotions; hold promotions in US until recommendations are in.
A	1703	25	7/13/18	" Should promotions in US be held up yet
P	1559	1	8/ 5/18	" Officers rec. for prom. to Lt. Col & Major.
		1-D		" Cancel former rec. for prom. in 1208-S1.
P	1533	5	7/20/18	" Method by which officers will be promoted.
P	1596	1-B	8/14/18	" Officers recommended for promotion to COL & LtCol
A	1866	6	8/22/18	" Promotion of officers rec. in P 1559S1
P	1692	1	9/15/18	" What action taken on courier letter promotions of 114 1st Lts. & 25 2nd Lts.
A	2051	12	10/14/18	" Original vacancies in P 1738-3G confirmed; considering September allotment.
A	2055	4	10/15/18	" Permission granted to commission lower grades
A	2068	3	10/17/18	" Promotions recd. by courier letter forwarded
A	2191		11/14/18	" Policy adopted not to promote or appoint any more officers for emergency.
A	47	14	7/23/17	<u>PROPELLERS:</u> Have started conservation of Walnut & mahogany in US and use of other wood for propellers.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	833	14	3/1/18	PROPELLERS: Situation of oak, birch, cherry, mahogany,
P	768	5-B	3/23/18	Loss in efficiency when used in tandem as in HP is 10%
P	776	1-E	3/23/18	French desire know approximate price of propeller wood.
P	822	3	3/31/18	What woods are to be used as substitutes on planes & propellers.
A	1016	1-F	4/1/18	Cost of different kinds of wood.
A	1080	11	4/12/18	Woods authorized used for propellers.
P	968	2-C	4/21/18	Hub steel should be marked and shipped Brizier.
A	1238	1-B	5/4/18	Secure patent rights on Granville propeller
P	1088	9	5/11/18	French will release rights DeGranville propeller.
A	1404	8-A	5/27/18	Report on condition of DH propellers after sea voyage wanted.
P	1293	5-B	6/13/18	Report on condition of DH propellers
P	1311	5-B	6/15/18	Data wanted on built-up wooded parts, oake-lite, Duralmin products.
P	1277	1-E	6/19/18	Liberty propeller hub wrenches not strong enough.
A	1548	8-C	6/17/18	Propeller hub shrunk on; don't remove.
P	1339	4-B	6/19/18	Data on available wood supply wanted for IA council.
P	1349	4-C	6/21/18	Hub holes in DH bored wrong.
A	1589	10-A	6/22/18	Data on propeller wood, etc. will be sent
A	1622	6	6/28/18	Estimate of production spruce, fir & subs.
A	1595	3	6/24/18	What are merits of DeGranville propellers?
A	1655	1-G	7/4/18	Data on new woods & substitutes.
P	1427	1-A	7/8/18	French have good opinion of DeGranville propeller; will send details. as soon as possible
A	1709	1-A	7/13/18	Should Granville propellers be put in production.
A	1720	12	7/16/18	Is 12" clearance enough for DH propeller?
A	1754	4	7/20/18	DH propeller efficiency 76%
P	1530	8	7/29/18	DeGranville propellers under consideration; 40 per day made; all glue used
P	1532	5-C	7/29/18	6" clearance propeller too small but can be used on DH-4
C-S	72	1	8/26/18	Data on DeGranville & Valerie glues case in plywood, etc.
A	1899	9	8/31/18	Are DH propellers giving satisfaction
S	99	7-A	9/17/18	Oak propellers on DH are satisfactory
X	111	5	9/27/18	Send drawings propellers on DH-9-A
X	118	6	9/28/18	Lt. Herbert reports English propellers tried in DH with success; request information
X	143	10	10/8/18	Send definite instructions for furnishing DH propellers; wood difficulty.
S	285	1	10/14/18	No tests made of English props. on DH.
S	314	2-C	10/19/18	Send 5 Props with every DH
X	179	3	10/19/18	No. of Charavey defective Props.
X	183	7	10/18/18	" " " " " "
X	217	2	10/28/18	Will ship 620 props with every 120 DH
S	369	4-C	10/29/18	Data sent on English propellers
S	432	3	11/9/18	Recommendations on finish tests & shipping of propsl.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
SD	42	1	7/ 1/17	<u>PROPELLERS:</u> Air Board suggests we manufacture propeller
P	44	4	7/16/17	England using mahogany & walnut for propellers
P	146	3	9/ 7/17	great shortage here of propeller woods.
A	198	12	9/21/17	Appears necessary to send propellers finished or material.
P	163	2-4	9/16/18	Ample factory space for propellers. Can send wood if desired or finished propellers.
SD	188		10/ 3/17	Make in US or ship material here require 3½ mo.
A	273	6	10/13/17	French propeller situation serious; shiplarge quantities all woods.
SD	212	1	10/18/17	1,000,000 ft. mahogany purchased; can spare 1½ to France.
SD	236		11/ 1/17	Estimated requirements propeller woods
P	420	8	12/28/17	Begin shipments propeller wood at once, consigning to Bolling.
P	424	5-A	12/30/17	Hub details wanted.
A	481	2		Urge every possible means of exercising Walnut supply.
P	553	1	1/30/18	Will improve motor.
P	553	1-A	1/30/18	Should have covers.
P	502	3-D	1/14/18	Is Lyon process undesirable for drying.
A	646	1	1/18/18	Report of test made at Leland Stanford wanted.
A	645	3	1/18/18	Hoyt bring data.
P	524	1-D	1/23/18	Ant. of wood delivered to White for export.
P	527	1-A	1/24/18	Inquiry on wood shipment; total requ. 2,700,000ft.
P	829	6	1/24/18	Additional requirements should include Breguet
SD	289	3	12/ 1/17	Actual shipment dates of propeller wanted as none received.
A	373	4	11/ 7/17	Sending DeGrandeville propeller expert. recommend adoption.
A	380	4	11/10/17	Need best propeller designer in Europe
A	430		11/23/17	Order for Spads built in France does not include propeller wood; for whom is wood?
A	461	2	12/ 1/17	1500 Breguet propellers wood ready; 450,000 ft. in 30 days.
A	683	4	1/25/18	Walnut for 1500 Breguet propellers ordered.
A	688	4	1/26/18	Details of Liberty hub now in transit
A	701	11	1/27/18	Humidity must be regulated in ware houses.
		12		Amount of oak & Mahogany shipped amount waiting shipment.
A	730	7	2/ 3/18	Amount of mahogany to be shipped for French Jan Feb, - more orders being placed.
P	574	4-D	2/ 6/18	Dr. Durand sailed with reports of propeller tests made at Leland Stanford University; also has report on standardization.
A	730	12	2/ 3/18	Are hub drawings dated Oct. 8 correct?
A	750	5	2/ 9/18	3 months drying process for wood is too long; more info. wanted.
A	730	13	2/ 3/18	Blueprints hub of Liberty & propeller for DH-4 being mailed.
P	595	2	2/13/18	Covers will be provided for 1
A	822	5	2/23/18	Percentage of spares to follow.
A	830	2	2/27/18	Mahogany, cherry, walnut used to interchange No. of ft. per propeller & estimate to 7/1/.
				250,000 ft. spruce shipped to France, 1,000,000 ft. available at Galveston, 500,000 ft. fir ready at Baltimore.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	624	1	2/19/18	<u>PROPELLER HUBS:</u> 132 tons steel wanted for propeller hubs; data on its quality.
A	791	5	2/16/18	" " Drawings slightly modified; will be mailed.
P	706	1-A	3/11/18	" " 20 wanted for Liberty.
A	933	1-H	3/17/18	" " 20 will be shipped for Liberty.
A	962	1-B	3/22/18	" " 20 for Liberty delivered at embarkation
A	974	1-E	3/25/18	" " Confusion in terms of steel ordered P-624-1-S
P	857	7	4/ 6/18	" " Repeat of P 624-1-S.
A	1080	1-F	4/12/18	" " 35 tons steel order in 1616-1-D ready for dely. name of consignee & marking wanted.
P	968	2-A	4/21/18	" " Steel should be marked & shipped Brazi er on JGWhite contract 1694.
A	1387	1-C	6/28/18	" " Fiat has a motor firing thru propeller hub
P	374	6-B	10/30/18	<u>PROUTY:</u> Will Prouty oxygen apparatus displace Dreyer?
X	244	3	11/ 5/18	" Will supplement Dreyer apparatus
S	28	5-B	8/19/18	<u>PUMPS:</u> Send 5000 Universal nozzles for tire pumps
X	30	8	8/27/18	" Cannot locate universal nozzles
S	87	4-B	9/ 5/18	" Are for pump connections.
X	239	7	11/ 4/18	" Selsdon pump unknown; Marmon working in wind driven pump for IH-4 gas
P	651	2-A	2/26/18	<u>PURCHASE ORDERS:</u> Copies should be mailed to C.A.S.- not C.SO.
P	513	1-A	1/15/18	<u>PUTEAUX:</u> No drawings for
P	575	2-B	12/ 6/18	" Drawing of Puteaux 37 m. sent to carriage Div Req. copy 6S0 from Capt. Maly.
A	828	11	2/25/18	" Send Prince US with drawings Put. Aut. Gun.
P	794	9	3/28/17	" 37 mm. Puteaux not ye t satisfactory. Do not manufacture until further tests
A	999	1-M	3/20/18	" 37 mm. cannon being delveloped in US Coventry & Puteaux drawings & requisition. wanted; also a Puteaux expert like Balleu.
A	870	1-A	3/ 7/18	" Were tests of 37 mm. satisfactory enough to start manufacture?
P	912	1-B	4/13/18	" Lt. Purington has drawings; request made for Mr. Bellue.
P	971	4	4/22/18	" Drawings being collected on cannon. P. can spare no engineers for Arsenal
A	1585	5-B	6/21/18	" Drawings being revised; ready in 1 week.
P	1384	2-F	6/27/18	" Not yet satisfactory; no data on scarf mtg.
A	1746	5	7/19/18	" Not yet satisfactory as full automatic
X	20	2	8/23/18	" Send latest dfawings with oil device for Pute aux.
X	23	5-E	8/24/18	" Report wanted from Lt. Otis on firing test Puteaux mounted on Hispano; Bugatti & Renault
S	91	2	9/ 5/18	" Drawings Puteaux not finished; fuse adopted.
S	99	6	9/ 7/18	" No 60 mm. Puteaux cannon; 75 mm. flying test Sept. 10th 37mm. tested in Hispano
A	1181	1-A	4/26/18	<u>PYROTECHNICS:</u> Information on illuminating devices wtd.
P	1387	1-G	6/28/18	" Requirements of each type per squadron per mo
A	1620	1-J	6/28/18	" Are types green, red and white to be used with parachute?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	590	2	1/4/18	<u>RADIATORS:</u> Directed to ship CUAU & MONTBARDON.
P	410	8-A	12/23/17	" No decision on location of DH; idea favored.
A	530	4	12/17/17	" Liberty & Dh contain, etc.
A	1094	1-F	4/14/18	" CUAU radiator not recd; send another.
A	1097	5-	4/14/18	" Disregard request for CUAU radiator.
A	1181	2-D	4/26/18	" Hughes LePere want sample CUAU radiator.
P	1046	1-E-1	5/4/18	" CUAU sent 4/10; another to be sent.
X	118	2	9/28/18	" Any development in anti-freezing mixture
S	235	5-B	10/7/18	" Reports on sodium & alcohol as diluents
S	256	3-A	10/10/18	" for glycerin in anti-freezing mixtures sent
S	313	5-E	10/19/18	" Send 100 latest type radiators for DH-4
X	196	18	10/23/18	" No radiators yet recd, with elongated holes
C-X	40	2-9	10/2/18	" radiator brackets
S	426	2-B	11/8/18	" Send new book by Capt. Hirschauer on radiator;
A	51	1	7/24/17	" 100 radiators for DH floated, 100 more 10/31
P	44	8	7/16/17	" Capt. Hirschauer's book on radiators being
P	93	1	8/12/17	" sent.
P	139	17	9/5/17	<u>RADIO:</u> Report on sound ranging forwarded.
P	148	3	9/8/17	" England sending expert on wireless to US; to
SD	133	C	9/28/17	" advise on difficulties at the front.
A	102	4	8/12/17	" Experts on wireless wanted.
A	130	3	8/2/17	" Wireless here much better than US; send best man
A	141	1	9/29/17	" to study.
A	194	8	9/20/18	" Send expert wireless man.
P	180	6	9/24/17	" Major Oxenham, English expert coming; use his
P	184	5	9/26/17	" advice to limit; stay 1 month.
P	186	4	9/27/17	" Communicate with Dr. Rousset, Paris.
A	243	2	10/3/17	" Sound ranging developed; 2 DuFort apparatus com-
A	315	9	10/25/17	" ing with personnel.
A	347	3	10/31/17	" Sets developed give communication 2 miles
SD	248	7	11/6/17	" Culver coming with best types; send foreign types
SD	254	11/10/17	11/10/17	" Oxenham sailed with all data.
SD	282	13	11/26/17	" Rouget sets sent already out of date.
SD	295	12/4/17	12/4/17	" No officers in US competent; use Oxenham; send
A	421	1	11/23/17	" experts here.
P	343	2	12/7/17	" Starting observers' school send 100 students; 30
P	338-5	3	12/3/17	" photo, 10 radio.
P	348	2	12/8/17	" Culver coming brings all data (radio)
P	403	5	12/21/17	" Hold opinion till arrival of Culver.
A	543	6	12/13/17	" What proportion planes equipped radio
A	549	1	12/21/17	" Equip no planes until radio tested here.
A	552	3	12/23/17	" Did Oxenham bring radio samples? sending & receiv-
A	565	4	12/26/17	" ing?
				" List of sets and equipment needed.
				" No French type transmitter available.
				" How many radio men per squadron?
				" S. C. will provide personnel for radio; observers
				" must be proficient.
				" Two instructors needed.
				" Personnel under consideration.
				" Full French sets being shipped.
				" Received set for contract with aerial artillery
				" observers; should aviation provide personnel?
				" Organization and development.
				" Information coming by messenger
				" Shipment of apparatus.
				" Receiving sets for Artillery observers; should
				" they be supplied by artillery or aviation?

(P)

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	478	4-B	1/12/18	RAMIO: S.C. will provide personnel ground receiving sets.
P	495	3	1/15/18	Artillery is to provide personnel ground receiving sets.
A	580	5	12/31/18	" Culver's recommendation on radio been adopted? 18gt 10officer for each unit.
P	439	6-B	1/ 3/18	" Partial shipments requested.
P	490	3	1/11/18	" Culver's recommendations not adopted.
P	520	3-C	1/20/18	" Amount of receivers & transmitters estimated; Culver has data.
A	672	11	1/22/18	" Development proceeding rapidly; Lt. Stokes leaves with data
		12		" Major Culver wanted in the United States.
P	538	5	1/23/18	" Data on approved types for each type of plane; samples have been shipped.
A	703	9	1/28/18	" Detail for gauges for DH and Bristols. More data wanted.
A	716	4	1/30/18	" Program cut 50% delivery 1 month later.
A	721	12	2/ 1/18	" Type A. R.6 has failed to test; request information if you still want them.
		13		" 100 trench sets ready March 1st.
P	574	4	2/ 6/18	" Letter Jan. 9th covers all requirements.
A	730	15	2/ 3/18	" Approved types in cable 538-S P -5
P	589	6-E	2/11/18	" Unintelligible; repeat requested.
		6-E		" No A.R.-6 wanted; should read A.R.7
A	786	8	2/15/18	" Six 2nd Lts. ordered to report for duty on radio.
A	791	1	2/16/18	" 10 men to sail; does this fill requirements?
A	796	11	2/17/18	" Four 2nd Lts. will sail for duty on radio
A	817	14	2/22/18	" Recommendations on storage batteries for radio wanted; Edison type ordered.
A	828	9	2/25/18	" 2 mos. before planes can be equipped with app.
A	627	4	2/20/18	" What action will be taken on radio for intelligence section?
A	850	1-B	3/ 2/18	" Equipment for intelligence section cannot be shipped before May.
A	867	3	3/ 8/18	" Cannot be shipped before May 15th.
A	887	7	3/10/18	" Information wanted on qualifications of personnel for squadrons and balloon companies
P	626	1-A	3/ 8/18	" Radio sets should be expedited.
P	719	1-C	3/12/18	" 10 men should sail at once, -10 more March 15th for installation of radio.
A	962	1-A	3/22/18	" 9 men sailing; 10 more to sail about April 1st.
P	815	2-A	3/30/18	" 4 men per balloon company to be trained as radio men
				" Type of radio to be used by each company.
P	830	1-A	4/ 1/18	" Schedule of required personnel for radio.
A	1031	7-A	4/ 4/18	" Lt. Lee & all radio liaison officers will be instructed regarding sample radio.
A	1047	9	4/ 6/18	" 10 officers will proceed April 15th instead of 1st.
A	1054	4	4/ 7/18	" Ford chassis and trailers shipped to radio equipment
P	882	2-C	4/10/18	" Rad. Ofers. not trained in telephone work; this is essential.
P	913	1-J	4/14/18	" What apparatus has been shipped since Jan. 1st; must be clearly marked.
P	924	3	4/15/18	" Data on how repairs will be handled.
		3-A		" Complete equipment wanted for fire control 6 Div.
P	959	8	4/20/18	" Send weekly lists for identification radio person.
A	1149	4-A	4/22/18	" 6 officers ordered overseas for radio.
A	1119	2	4/18/18	" Information wanted on wave length range
		2-B		" When is Lt. Stokes to return to U.S. as radio ofcr

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1174	1-M	4/25/18	RADIO: List of apparatus shipped since Sept. 1917.
A	1175	1-A	4/25/18	Discussion of cooperation of radio & artillery wanted.
P	1001	2-B	4/27/18	" What radio apparatus can be expected; will DH and Bristols be equipped.
A	1051	2-E	4/ 7/18	" What organizations are to be equipped for radio repairs?
A	1220	1-C	5/ 2/18	" DH & Bristols will not be equipped with radio; sets to be shipped separately; production data
P	1052	2-B	5/ 5/18	" Code operators must be telephone & radio oprtrs
A	1229	3-B	5/ 3/18	" 830-S 1A says 1 radio officer per squadron training tables show none; correct wanted?
P	1059	7-A	5/ 6/18	" Samples of all radio apparatus wanted by CAS; will all air service radio be marked "147"
P	1061	5	5/ 6/18	" 5 radio telephony officers, 20 radio mechanics wanted; also information as to nos. of such personnel.
		5-A		" Discussion of radio cooperation with Artillery being sent by Lt. Hoyt.
P	1102	2-B	5/13/18	" Are DH & Bristol wings being metalized: Estimates wanted on delivery radio sets.
A	1318	1-A	5/15/18	" Samples of all radio sent AEF. Figures 147 not understood.
A	1339	3	5/17/18	" DH and Bristol wings to be metalized; estimate May and June AEF requirements wanted.
P	1129	1-A	5/15/18	" Gen. Staff reorganizing squadrons concerning radio officers.
P	1146	1-G	5/19/18	" Recdpts from foreign sources during April.
A	1363	11	5/22/18	" Suggestions wanted on new motor Lorry for radio
P	1165	2-C	5/22/18	" Disregard No. 147; construed error as symbol.
P	1181	1-A	5/24/18	" Have balloon radio sets been shipped?
P	1195	7-C	6/26/18	" Schedule of monthly requirements; radio.
A	1423	1-F	5/30/18	" Test sheet wanted airplane generators.
A	1424	5	5/30/18	" Data on radio sets for balloon section
P	1211	1-E	5/29/18	" Priority schedule for July and August
P	1217	1-G	5/31/18	" Receipts from foreign sources for May 15th.
P	1222	2-A	5/31/18	" 25 SCR Sterling transmitter wanted.
P	1241	6-A	6/ 3/18	" What radio mechanics & operators are available?
		6-B		" What are prospects SCR 73 Fire control sets?
A	1455	4	6/ 5/18	" Production arranged, now ready; SCR 57 and SCR 68.
P	1249	1-A	6/ 5/18	" Specification sheets being sent.
		1-B		" DH & Bristol should have radio generator sets.
A	1461	4-B	6/ 5/18	" Tonnage loaded.
P	1137	1-A	5/17/18	" Data on batteries.
P	1271	2	6/ 8/18	" 1 radio truck per sqd. per 18 planes
P	1277	1-F	6/ 9/18	" Aero reels wanted with guides
A	1399	X-2	5/26/18	" Information wanted on Edison batteries for radio telephones.
A	1500	5-A	6/11/18	" Generators on Bristol & Dh not understood.
A	1504	1	6/12/18	" Data on radio personnel which can be furnished.
P	1267	2	6/ 8/18	" Personnel requested shipped for June & July.
A	1504	2	6/12/18	" Status deliveries SCR 73, Requs. AEF wanted.
A	1507	3	6/12/18	" 25 SCR 65 sets ready June 20th.
A	1526	5-F	6/14/18	" Aero reels and leads ready June 25th.
P	1316	1	6/16/18	" DH and Bristol should have generator seats on wings for radio.

(P)	BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
	A	1548	14	6/17/18	RADE O: Should F.A. operators be trained by Signal Corps or Air Service?
	P	1330	2-E	6/18/18	" Shipments of SCR types as wanted by AEF.
	P	1341	2	6/19/18	" Eliminate ignition noise in SCR; short trailing aerial used.
	P	1340	1-F	6/19/18	" Supply prospects May 31st.
	P	1351	3	6/21/18	" Requirements radio personnel and training & replacements to Jan. 19th.
	P	1356	5-A	6/23/18	" Requirements for SCR 73 sets until October '18.
	A	1366	1-E	6/24/18	" Priority list for July.
	A	1602	9-C	6/25/18	" SCR production delayed; shipping schedule.
	P	1378	3-F	6/27/18	" Supply prospects as of June 15th.
	A	1621	1	6/28/18	" Send copy radio organization equipment per sqdn.
	P	1397	2-C	6/29/18	" Train 20 flyers for radio telephony; for monoplane and 15 HP; send in November and December.
	A	1595	2	6/24/18	" Are 85, 100 and 115 meter wave lengths satisfactory for airplane telephones?
	P	1407	4-A	7/ 3/18	" Radio training data and organization tables being sent.
	A	1675	3	7/ 8/18	" No noise in DH if ignition kept clean; aerial trailers 50' long.
	P	1413	1	7/ 4/18	" Wave length 85 m. approved; lightens apparatus.
	P	1421	8	7/ 8/18	" Ship 26 sets for tuning SCR 68
	P	1427	2-B		" Radio operators for F.A. trained by F.A. & S.C.
	P	1427	1-B	7/ 8/18	" Report on SCR 67 for training wanted.
	A	1680	14	7/ 8/18	" London wants 20 radio officers; are they in addition to 25 requested by AEF?
	A	1709	2	7/13/18	" May use universal type for all planes SCR 91.
	A	1699	6	7/11/18	" Is SCR 68 wanted for tuning on ground; list of radio officers equipment will be sent.
	A	1700	4	7/11/18	" 20 Radio men will be trained
	P	1454	10	7/13/18	" What action taken on Delco on Liberty?
	P	1467	1	7/15/18	" Supply prospects as of June 30th.
	P	1471	1-1-C	8/16/18	" Status of radios to be developed
	P	1480	7	7/18/18	" Ship 600 SCR 73 to make up shortage of DH.
			7-B		" Tuning sets for ground tests; need test equipment.
	A	1725	3-A	7/16/18	" SCR 67 necessary to increase power;
	A	1735	9	7/18/18	" Radio personnel does not agree with 830-S 1A
	P	1489	3-B	7/19/18	" Want man to direct Eng. Div. Radio
	P	1500	4	7/23/18	" Send all radio officers to France; selection for England to be made there.
	A	1770	12	7/24/18	" Should HP radio officers be trained as Pilots.
			13		" Have Vaughn bring information on training of radio officers and personnel.
	A	1775	14	7/25/18	" Equipment for tuning sets.
			18		" 100 SCR 73 sets weekly in-place of SCR 65's
	P	1507	1-D	7/24/18	" August tonnage priority.
	A	1770	14	7/24/18	" Design Delco on low voltage generator.
	A	1781	4	7/26/18	" What is meant Eng. Radio Division? How many ofers wanted?
	A	1783	14	7/27/18	" Some officers and men shipped; more in August; contradiction in English requirements.
	A	1760	5	7/22/18	" Data wanted British finders and wave lengths.
	P	1532	5-B	7/29/18	" Ship 500 Delco boxes
	P	CP-56	1	7/29/18	" Supply prospects July 15th.
	P	CC-57	1	7/30/18	" Monthly statement wanted of radio orders & delivery status.
	P	1539	8-D	7/31/18	" Train radio officers as HP bombardiers only; Vaughn took training data.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	1549	4-A	8/ 2/18	RAD O: Ship 100 SCR 65 and reserve 500.
P	1552	3-A	8/ 2/18	Radio personnel requirements in Organization tables; Vaughn has information on training.
P	1556	3-F	8/ 4/18	" Enemy can interfere any wave length
P	1557	2	8/ 4/18	" Cancel request for officer English Division radio.
		2-A		Remaining 10 officers are for France.
A	1812	13	8/ 5/18	" Estimate of floatation for September
P	1560	4-B	8/ 6/18	" Phantom antenna 300 feet on LH; not Curtiss.
A	1816	7-E	8/ 7/18	" 125 SCR 65 sets to be floated August 10th.
		8		Air Service in US directed to train Artillery Radio operators; C. A. requested A.S. to train radio personnel.
P	1569	1-F	8/ 7/18	" Personnel scheduled to sail in August & Sept.
P	1571	3-G	8/ 7/18	" For answer to 1809-R2C see 1341-S2B
A	1831	6-B	8/10/18	" Care taken in soldering Bowden cable; no acti
C-P	123	2	8/10/18	" Send copies each weekly report to Radio (on Division.
S	13	5-A	8/15/18	" SCR 57 has been adopted for observers in ball oon baskets.
X	5	4	8/14/18	" Maj. Kirby en route for studying appli ation voice commanded flying to combat tactics; SCR 67 set working OK; changes to be made; Lt. Lynch & Adams, efficient these, en route
X	12	7	8/20/18	" How will SCR 68 be used in balloon baskets?
P	1618	3	8/21/18	" A.S. cannot take over training Art. Radio.
S	25	1	9/19/18	" Tonnage priority for September.
S	33	3-H	8/21/18	" When was 300 SCR 57 sets shipped. 800 more needed.
S	35	6-A	8/22/18	" What balloon or radio equipment lost on Tippecanoe?
S	45	4	8/24/18	" SCR 57 and not SCR 68 used in Balloon baskets
		4-D		Standard 19 wave length adopted; revise at once-manufacture.
X	17	7	8/21/18	" Light mask to be produced until satisfactory radio and oxygen mask developed.
X	34	1	9/29/18	" 400 SCR 57 floated Hercules July 5; 500 more now.
C-A	3	4	8/ 6/18	" Vaughn reports HP pilots be trained operators; will comply.
X	40	4	8/31/18	" Send scales for wave lengths; production on SCR 73 halted by S 45-4D
S	87	1-D	9/ 5/18	" Defects in SCR 74's
S	104	4	9/ 8/18	" Wave length schedule adopted after conference new developments wave lengths.
P	1655	Con.	9/ 3/18	" Personnel priority for October.
C-P	172			" Personnel wanted send during October.
X	48	2	8/ 5/18	" Both S45-4 & X12-7 should read SCR57
		4		Shipments to date and estimated production SC SCR 73, 59, 68, 54, 65
		8		Statement radio orders being sent.
X	53	8	9/ 6/18	" How many lighting, photo and radio trucks wtd Data on those in production.
X	57	4	9/ 7/18	" If wave lengths changed production delayed; why conform to French if AEF is an Army?
S	117	1	9/11/18	" Method of using SCR 57 with balloons
X	63	11	9/11/18	" Defects remedied in SCR 74.
S	125	1	9/12/18	" Tonnage priority for October.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
S	133	7	9/14/18	RALE O: How wave length changes must be adopted; send the SCR 73 per schedule.
A	1936	11	9/13/18	" Full report wanted on duties Radio Section & apparatus ground and air. (ng)
P	1701	7	9/18/18	" Priority of personnel for December
S	151	3-A	9/19/18	" Requirements lighting, photo, & radio trucks to 1-
X	83	3	9/18/18	" Estimate to be floated November
S	160	1	9/21/18	" Provide tank antenna SCR 78 not field.
S	164	9	9/22/18	" Defects in SCR 79.
S	170	1-D	9/23/18	" V T -1 & 2 will meet AEF needs.
S	170	1-E	9/23/18	" Relays & transformers needed.
X	82	6	9/19/18	" 200 V. T. tubes ready.
X	82	6-A	9/19/18	" Samples of masts; SCR-54 sent
		6-B		" Production storage batteries.
X	83	2	9/18/18	" Coils not manufactured by DeForest
X	86	6	9/26/18	" Results tests SCR 73 - SCR 54.
		5		" Are Torary converters needed?
		5-B		" Information wanted on dry battery supply
X	89	5	9/20/18	" SCR 61 wave meters ordered.
		5-A		" Buzzer receivers furnished 80-ohms.
X	96	8-C	9/23/18	" Types of non-spill lead batteries.
C-X	3	7	8/31/18	" Results of work on land direction finders.
S	178	4-A	9/25/18	" Send samples jointed poles.
S	163	9-C	9/26/18	" P 1569-1-F asks for radio mechanics & operators; A 1855 -6 acknowledges only operators.
X	104	16	9/25/18	" October availability changed.
A	1974	11	9/23/18	" Tests completed SCR 84
C-S	172	1	9/27/18	" Data on training, artillery, etc. being collected
S	193	7	9/28/18	" SCR 81 data by courier; 10 sets wanted.
X	83	2	9/18/18	" DeForest cannot produce coils without dimensions
X	108	7	9/26/18	" Requirements all V T tubes AEF & US
X		7-B	9/26/18	" Alternating relays necessary; high speed satisfactory test.
X	113	3	9/27/18	" Promised shipment radio & field lighting trucks.
A	1995	4	9/28/18	" 2 officers trained on direction finding HP radio needed US for instructors.
C-P	198	Con.	9/28/18	" Item numbers & summary of personnel for Dec. program
C-X	11	6	9/10/18	" Estimate of A.S tonnage available October.
C-X	13	4	9/13/18	" Results tests antenna reels and white pine masts.
X	125	5-B	10/ 1/18	" No trouble US with SCR 79; set considered very good
S	218	5	10/ 3/18	" 24 SCR 68 sets unserviceable defective cords.
S	228	1-C	10/ 5/18	" Change in October priority.
S	229	3-B	10/ 5/18	" SCR 73 tests results will be sent.
X	129	2-F	10/2 /18	" Sample pine masts sent October 8th; spruce later.
X	137	11	10/ 5/18	" If special photo planes are built would they be used for reconnaissance? Would radio be needed?
S	243	7	10/ 8/18	" Needs of S.C. and A.S.V.T. tubes per month.
S	252	3-B	10/ 9/18	" Data on what spares should be furnished.
S	254	5	10/ 9/18	" Antenna mast test show spruce better than pine; use spruce until bamboo is obtainable.
X	145	5	10/ 8/18	" Production status September 27th.
X	150	2-A	10/ 9/18	" Item 27 not correct; is for longer range.
X	158	16	10/11/18	" Estimated floatations for November.
X	159	1	10/11/18	" 46 radio officers, 225 mechanics, 144 operators will be sent in October.
S	271	1-F	10/12/18	" Tonnage priority for November.
S	273	6	10/12/18	" Change in SCR 79-99 approved if no delay results; must be designed for two antennae.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
S	284	5	10/14/18	RAI O: What action has been taken on unit radio equipment for squadrons?
S	285	1-C	10/14/18	" Direction finders and navigation Officer Nagle ordered to U. S.
S	287	6-C 7	10/14/18	" Photo planes will need radio.
S	291	4-A	10/15/18	" All radio personnel on A 977 K needed. Major Bulkey leaving for US to give final apparatus judgment radio apparatus
S	305	2-A	10/17/18	" Cancel #27 on list 244.
S	306	4	10/18/18	" Disregard former requisitions and use this cable as basis; ship all to S.C.
S	309	10 10-A	10/18/18	" 5 Lts. telephony wanted England Do not confuse A 977 K (Aug. & Sept.) and A 838 K (Oct.) none arrived. expedite Cords for SCR 68 coming.
X	164	1	10/14/18	" Estimate spares being prepared. Weekly reports will be send A. E. F.
X	176	13 13-A	10/16/18	" When will #242 be sent?
X	183	10	10/18/18	" Complete unit equipment's to be sent; all available parts being sent.
X	187	9	10/20/18	" Spruce masts will be sent tapped with insulat or holes.
X	192	8	10/21/18	" 76 radio officers, 460 mechanics, 81 operator under orders.
C-A	34	2	10/ 3/18	" Can HP flyers receive radio training in Eng?
S	331	3-A	10/23/18	" Advance requisition 242 sent.
X	194	16-A 16-B	10/22/18	" Req. #242; wave meter 60-c supercedes 60-B. New transmitter SCR 79, SCR 99 equivalent of E-3 bis; no delay in production.
P	1829	10	10/22/18	" New arrangement S.C. taking over radio.
C-P	217	1	10/23/18	" Full report covering radio with artillery airplanes, balloon and personnel organiztn.
S	361	3	10/27/18	" Recommend SC.(AER) communicate direct with CSO regarding radio, CSO to furnish information to Air Service.
X	208	2 17	10/26/18	" Is 12,250 SCR 67's correct? No item 68 on requisition 244.
S	366	10	10/28/18	" Send 2 radio telephony officers. like Murphy and Stevens of Columbia
A	2103	17	10/25/18	" Development radio trucks nearing completion 100 per month January.
P	1848	Con.	10/28/18	" Personnel priority for January.
S	87	1-A	9/ 5/18	" Proceed with batteries in callulois containr
X	222	4 4-A	10/30/18	" Req. 242 received and approved. Req. 242 reserve wastage & consumption.
X	221	12-G	10/30/18	" SCR 113 completed; cable requirements.
X	229	4	10/31/18	" Difficulty procuring men; cannot furnish A 977 K until A 838 complete; orders issued to personnel sailing October.
X	232	4	11/ 1/18	" Capt. Murphy & Lt. Stevens available 11/15
A	2116	11	10/29/18	" Request Capt. Shumaker for United States.
A	2122	Con.	10/30/18	" Personnel assigned to early convoys.
P	1864	Con.	11/ 2/18	" Wave operations of Interallied system.
S	397	5-B 5-C	11/ 3/18	" Item 2 is 2250 SCR 57, item 4 is 200 SCR 67 Cancels item 27 req. 244.
C-X	40	7	10/22/18	" Training as given in voice control flying, drill, etc.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:	
S	408	3	11/ 5/18	RAIL O:	Radio truck must have SCR 108 & 99-67-54-79 sets and small oil burner still.
S	410	6-A	11/ 5/18	"	Cannot spare Capt. Shumaker; can send Squadro officer from front.
S	415	4-B	11/ 6/18	"	Non-spill lead storage batteries adopted.
S	423	3	11/ 7/18	"	Shipment HP interphones as needed.
X	257	4-A	11/ 8/18	"	4 accumulators for each set suggested.
S	435	5	11/ 9/18	"	Production status November 1st
X	258	7-A	11/10/18	"	Req. 242 does not include reserve
A	2147	11	11/ 5/18	"	Send all radio personnel and graduates to England for final training and assignment.
S	439	8-C	11/11/18	"	US cannot furnish January priority radio personnel if required to fill former requests first.
X	263	4	11/11/18	"	Lt. Nagle being sent to US direction finding.
A	2199	4	11/15/18	"	Sailing dates of 192 radio operators
S	273	11-C	11/14/18	"	Has agreement between CAS and CSO re radio personnel been approved by Pershing?
S	472	6-D	11/19/18	"	Non-spill lead storage batteries adopted for all radio sets.
P	1904	6	11/18/18	"	4 sets accumulators needed, each radio set.
X	364	2	12/19/18	"	Agreement CAS & CSO re radio personnel is approved by C. IN C.
A	2363	3	12/26/18	"	Prod. status Nov. 29; estimate to December 30th.
S	728	4	1/ 1/18	"	Report of tests of telephone apparatus in France wanted.
X	124	2	10/ 1/18	"	Complete reports all radio telephone tests to CSO.
A	159	4	9/ 6/17	RAILROAD	All track & switches & cars in HP equipment should be procured in France from D. of L.R.ed) & R.
A	225	2-2	9/29/17	RATEAU:	Send drawings of Rateau Turbo.
P	163	1-4	9/16/17	"	Turbine steel shipped September 27th.
P	410	8-I	12/23/17	"	Complete drawings refused; will send complete apparatus.
P	494	8-D	1/15/18	"	2 Tungsten steel bars not received; when were they shipped?
P	568	2-B	2/ 2/18	"	Waldon has no record. of steel
A	602	1	1/ 6/18	"	Sizes & amount soft steel bars wanted for turbine
A	683	1	1/25/18	"	Information wanted.
P	574	4-A	2/ 6/18	"	If data on turbine is sent will duplicate order
A	1169	4	4/25/18	"	Steel bars found; cancel order.
P	1131	1-B	5/17/18	"	Battu says US intends to use turbo blower; give US representative all information.
S	183	9	9/26/18	REAMERS:	Rateau refuses to give information until difficulty between Battu & S. C. is adjusted.
X	153	2	10/10/18	"	Send 2 sets Martel reamers for Liberty & Hispano
S	315	4-C	10/20/18	"	Will send reamers for Liberty; send specifications for reamer for Hispano.
X	221	8	10/30/18	"	Will produce Hispano reamers here.
C-X	40	10	10/22/18	"	2 sets Martel reamers floated October.
P	424	2-A	12/29/17	REMINGTON AUTOMATIC RIFLE:	2nd Lt. Jos. Wood should collect and report on stories on observers for recruiting purposes, etc
P	452	2-B	1/ 6/18	"	Self loading automatic is necessary; Remington preferred; 20,000 required-500 at once.
A	984	1-L	3/27/18	"	Preference, bullets, required & replacement data.
				"	Can only be made for 5 rounds

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	48	1	7/23/17	RENAULT: Have not completed arrangements yet for production; should have lists machine tools, etc.
P	48	1	7/ 6/17	" Sending sample of 300 HP.
P	47	1	7/17/17	" Recommend Renault be included among mfrs. receiving \$100,000 for manufacturing rights for engines.
P	48	1	7/17/17	" Recommend approval of offer of French to furnish 1500 Breguet bombers with 300 HP Renault, -we to furnish crankshafts & connecting rods and replace raw material later.
A	72	2	8/ 2/17	" Do not include Renault for production.
A	91	2	8/ 9/17	" What is price of Renault to French?
P	78	101	8/ 7/17	" 1000 Breguet planes ordered from French with Renault engines.
P	86	4	8/ 8/17	" Renault contract depends on sending tools.
P	88	2	8/ 9/17	" May procure Renault engines for flying boats
P	106	122	8/17/17	" Start dies for crankshafts & rods.
P	123	2	8/23/17	" French offer Gnome & Renault for training US
P	139	17-5	9/ 5/17	" Who is building Renault shafts & rods? Shipments when?
P	141	3	9/ 5/17	" Price is 30,000 francs.
P	146	7	9/ 7/17	" Marmon has detail Renault & Isotta.
P	148	2	9/ 8/17	" When will machine tool Renault be ready?
P	3	2-2	9/12/17	" When will raw material arrive? Need shafts.
SD	171		9/20/17	" What action on crankshafts? What firm? Renault sending expert.
A	220	1-2	9/27/17	" Grinders ordered for Renault.
A	299	3	10/19/17	" Must have drawings, jigs & other necessary tools, Filloux guns.
SD	282	4	11/26/17	" Ship crankshafts semi-finished to expedite
SD	297	1	12/ 5/17	" Use Renault or Fiat for tanks.
A	408	1	11/19/17	" Crankshafts & rods complete August 1st. Recommend semi-finished.
A	472	2	12/ 3/17	" Manufacturers instructed to make crankshafts semi-finished.
P	408	5-D	12/21/17	" Estimate was based on American deliveries; crankshafts must be furnished; Breguet planes with Renault engines will not be available until July.
P	424	5-G	12/29/17	" Brazed brass tubing may be substituted.
A	471	2		" Shipments by May 1st.
P	450	1-J	1/ 5/18	" Refusal to set gauges.
A	536	4	12/18/17	" Can braised or seamless brass tubing be substituted?
A	586	4	1/ 1/18	" Crankshafts & rods.
A	581	18		" Were any offers made Renault for patents, - engines, designs? If so, how much? Has no important patents; designs only for sale. Recommend offer of \$75,000 for right to manufacture.
A	624	1	1/12/18	" Crankshafts & rods to be finished by makers
P	568	2-D	2/ 3/18	" Temperature of motors required castor oil; Renault 300 HP uses it.
A	730	9	2/ 3/18	" Some Liberties now in factories for installation.
A	833	11	3/ 1/18	" Crankshaft production proceeding; complete May 1st.
		12		90% tools delivered to port of embarkation.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	719	1-D	3/12/18	<u>RENAULT:</u> Requires castor oil.
P	749	5-D	3/20/18	" Status of foreign order.
P	808	1-E	3/29/18	" Schedule of foreign orders.
A	999	1-N	3/30/18	" Marlin guns will be used on Renault tanks.
A	1057	11	4/ 7/18	" Changes being made in Renault crankshafts will delay shipment 60 days.
P	869	6-B	4/ 8/18	" Statement foreign deliveries to March 28th.
A	1080	1-C	4/12/18	" Computation of castor oil req. from no. del.
P	920	E	4/15/18	" Number on hand with AEF April 1st.
P	1067	1-C	5/ 7/18	" Ship Renault shafts & rods rough forged to save delay.
P	1277	5-G	6/ 9/18	" Is Liberty to have articulated rod like Renault?
A	1526	5-G	6/14/18	" Liberty will not have art. rod like
X	23	5-E	8/24/18	" Report wanted firing test Puteaux on Renault?
X	105	4	9/25/18	" Did all 283 crankshafts with defects arrive tagged?
X	117	6	9/28/18	" Have all Renault crankshafts arrived & accepted? Holding up payment pending acceptance.
S	221	4-A	10/ 3/18	" 1393 Renault crankshafts received; acceptance in one week.
S	314	2-A	10/19/18	" 350 Renault crankshafts tested; must await completion before acceptance by French.
X	182	8	10/18/18	" Send receipt from French that Renault crankshafts have been accepted.
S	369	4-D	10/29/18	" Sending receipt for 500 crankshafts; more to be tested.
S	430	3	11/ 8/18	" Acceptance forwarded 700 more crankshafts-total 1200.
X	285	13	11/19/18	" Do 700 accepted include 283 defective crankshafts?
C-S	334	1	11/21/18	" Supply prospects October 31st.
S	553	3	12/ 4/18	" French destroyed tags on crankshafts so it is impossible to identify.
X	361	5	12/17/18	" Can't US inspector look over crankshafts & advise about rejections?
S	694		12/26/18	" Status of 1591 crankshafts received; some lost, rejected. Delivery receipts for all.
X	405	3-A	1/ 7/18	" Suggests pay contractors less 8 rejected & adjust about missing ones later.
A	1150	6	4/22/18	<u>REPAIR STATIONS:</u> Does equipment manual show outline of repair stations & lists needed
P	1035	3	5/ 1/18	" " Have superintendents & engineer foremen been selected for repair & salvage shops?
P	1083	6-D	5/10/18	" " Lists of equipment for repair stations being compiled.
P	635	1	2/23/18	<u>REPLACEMENTS:</u> Plan of forming replacement organizations
A	839	1-D	2/28/18	" Plan approved.
P	1188	LABCDEF	5/25/18	" Plan for making replacement of materials to Allies for Supplies furnishd.
P	1350	1-E	6/21/18	" Aluminum is replacement for 30,000 Lewis magazines.
P	1351	3	6/21/18	" Req. of radio personnel & replacements to January 19th.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	13	1	6/26/17	REPORTS: Understand R.B. price has excellent report on Kite balloons.
A	65	3	7/29/17	" Fowler presented Billing report to Board & resolution passed expressing appreciation of efforts.
A	306	2	10/22/17	" White will mail weekly report of progress.
SD	272	2	11/20/17	" Send 12 copies Nat'l. Adv. Comm. report.
SD	276	1	11/21/17	" Arrival of Waldon shows many reports & information sent US not received by proper authorities.
P	751	4	3/19/18	" All requests for personnel should be sent once a month.
A	1021	4	4/ 1/18	" Monthly report must be made of numbers of squad fliers & planes, with AEF
LA	986	1-C	3/28/18	" Semi-monthly report number of flying & non-flying officers & flying Cadets requested.
P	916	9-B	4/15/18	" Request weekly report of status of orders for Air Service; none have been coming.
A	1245	6	5/ 6/18	" Monthly report wanted from each S.C. Disbursing officer.
P	1102	2-F	5/13/18	" Monthly report Squadrons & planes overseas.
A	1432	4	5/31/18	" Has report of board of officers by approval by C. in C. and C. S.
P	1249	1-D	6/ 5/18	" Air Service report mailed June 2nd.
A	1492	6	6/10/18	" Monthly report squadrons & planes not recd.
A	1494	7	6/11/18	" Weekly copies Liaison reports wanted.
A	1504	3-B	6/12/18	" Total officers & enlisted in each grade wtd. each month.
P	1293	5-A	6/13/18	" Monthly report no Squadns. & planes on front & in training.
P	1330	2	6/18/18	" Report of number of officers & men in Air Service AEF, by grades on June 15th.
P	1345	12-G	6/20/18	" Liaison reports weekly hereafter.
A	1621	2	6/29/18	" Send monthly report building construction.
A	1644	12	7/ 2/18	" Report wanted on no. of balloon observers with Signal Corps & Artillery.
P	1403	3-C	7/ 2/18	" Advise number of students under training in US in weekly reports of cadets.
A	1700	5	7/11/18	" Intelligence report of Major Henry for March wanted.
LA	1733	5	7/18/18	" British Technical reports received irregularly wanted as issued.
A	1769	6		" 2 copies of Inf. Sec. bulletin wanted.
A	1764	8	7/24/18	" When can strength return be expected?
P	1571	3-D	8/ 7/18	" Accountability report to be made by officers discharged before their return to US.
C-P	123	2	8/10/18	" Bi-monthly report planes & Squadns. AEF
A	1848	4	8/15/18	" Send 3 copies each weekly report of radio Div
A	1846	17	8/17/18	" Is report desired to be continued on training planes and engines for the United States.
X	10	12	8/17/18	" When can strength reports for May & June be expected?
S	33	3	8/21/18	" Mat. Div. weekly report on airplane & motors wanted.
X	23	5-E	8/24/18	" May & June strength reports mailed Aug. 12th.
X	24	7	8/24/18	" Want d on firing test Puteaux mounted on Hispanos, Bugatti & Renault engines.
				" Send copy all Tech. reports to Dayton, Ohio

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:	
S	105	6-B	9/ 8/18	REPORTS	Monthly reports planes & squadrons.
S	117	1-C	9/11/18	"	Berrions oxygen report & personnel request approved.
X	81	4	9/17/18	"	Send statement of plane & deliveries.
S	235	5-B	10/ 7/18	"	Reports on sodium & alcohol as diluents for glycerin in anti-freezing mixtures sent.
S	273	9-E	10/12/18	"	Send 6 reports weekly on Progress training production personnel.
S	285	1-D	10/14/18	"	Report of plane & engine accessories ordered & delivered sent Oct. 6; next one by Major Creighton.
X	177	9	10/17/18	"	6 reports of progress production & training being sent, are 6 more wanted?
X	183	8	10/18/18	"	6 copies production progress & training will be sent.
C-S	250	2	10/18/18	"	Flying & non-flying officers o.s. Oct. 15th.
C-X	35	4	10/ 9/18	"	Additional data wanted on report re: A1021 Squadrons at front classified by types.
S	361	4-B	10/27/18	"	No training or personnel reports rec'd. except weekly letter summary; is this all?
X	216	2	10/28/18	"	Send copy of coordinate staff weekly report.
X	234	6	11/ 2/18	"	6 copies DMA weekly progress report sent in addition to weekly letter & reports to Col. Hutton.
S	402	5-D	11/ 4/18	"	Weekly reports Cord. Staff will be sent.
X	236	6	11/ 2/18	"	Will report number flyers ordered overseas every 10 days; method of ordering described number ordered June to October.
A	2144	4	11/ 4/18	"	Request report casualty flyers Oct. & each month thereafter.
C-X	41	4	10/24/18	"	Are extra copies monthly progress reports desired for sections?
X	274	5	11/14/18	"	Request copy of Robertson's report for Transportation Division; contains reasons for separate service.
S	477	3	11/20/18	"	Squadrons on front by types October 31st.
S	501	2	11/25/18	"	Robinson's report Trans. Div. being sent.
S	508	3-D	11/26/18	"	No monthly summary reports received. Weekly summary reports satisfactory.
S	564	6	12/ 5/18	"	Only 2500 DMA form 1 received; are more coming
C-X	60	1	11/19/18	"	US desires report of summary AS activities in France, training, aces, combats, etc.
C-X	63	1	11/23/18	"	Are further estimated tonnage & production reports wanted by cable?
S	608	6	12/12/18	"	Discontinue reports in Courier X 63 except 1 more production.
S	614	2	12/13/18	"	Secure histories from squadns. who have not submitted same in AEF
X	343	10	12/10/18	"	10,000 DMA forms sent for Personnel Section.
S	624	4-A-0	12/ 5/18	"	Brief summary AS up to Armistice, Office soldiers, squadrons, combats, training, airplane and casualties.
S	629	3	12/16/18	"	Worden wants special paper from Wadding Co. to make his reports on his return.
S	644	C-C	12/18/18	"	Discontinue reports to Lt. Col. Arnold & Major Reynolds, sailed for US
A	2435	6	1/10/18	"	Haye officer make tour & report on lighter-than-air machines.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	886	5	4/11/18	REQUISITIONS: Record of all unfilled requisitions for material wanted monthly of all equipment not aviation.
A	573	8	11/ 7/18	R. H. A'S: Policy in US to commission as soon as RMA passed.
A	578	7	11/ 8/18	" Wording of act which authorizes RMA & JMA
P	346	3-A	12/ 7/18	" Send monthly information cable on RMA's
		3-A		" Data wanted every month.
P	420	2-A	12/ 6/18	" Send 146. Hold Dec. graduates.
P	498	3-A	12/28/18	" Reasons for few recommendations.
A	517	5	12/16/17	" 120 sailed 11/15 & 12/1; 146 awaiting orders, 171 will graduate in Dec; no more will sail until C.A.S. requests.
A	539	8	12/21/17	" Cadets who graduated from ground school before Oct. 13th & how they should be commissioned.
A	552	3	12/23/17	" Date on coms. of those who passed after 12/5
A	602	5	1/ 6/18	" No more to be sent.
A	640	7	1/17/18	" Number completing training.
A	683	7	1/25/18	" Request complete list of cadets who have passed RMA test in US & not yet commissioned
A	703	12	1/28/18	" Number graduating week of January 26th.
P	568	2-E	2/ 3/18	" Have 146 sailed yet? If not, send them & 100 more February 15th.
A	745	7	2/ 7/18	" Number of graduates for week.
A	788	3	2/16/18	" Data on those available & proposed sailing
A	817	1	2/22/18	" No. of graduates for week of 2/16
A	835	1-E	2/27/18	" No. of graduates for week of 2/23
A	850	1	3/ 2/18	" Repetition of Par. 3, 788-R.
A	873	4	3/ 7/18	" No. graduating week of 3/2.
A	883	4-A	3/ 7/18	" Output of RMA's for Feb; est. of Mar.&Apr.
A	908	2-C	3/14/18	" No. of graduates for week of 3/9.
P	742	7-A	3/17/18	" No. under advanced training wanted on weekly report.
A	959	3	3/21/18	" No. graduated week of 3/16.
A	1012	9	4/ 1/18	" No. graduated week of 3/23.
P	837	2-A	4/ 3/18	" 300 RMA's can be accommodated for training AEF
A	1035	1-C	4/ 5/18	" No. graduates week of 3/30.
A	1067	2	4/ 9/18	" Output March; estimate April and May.
A	1080	1-E	4/12/18	" No. graduates week April 6th.
A	1106	3-B	4/16/18	" Item number in 837-S 2 not understood.
A	1116	1	4/17/18	" No. graduates for week of April 13th.
A	1160	2	4/24/18	" No. graduates for week of April 20th.
A	1220	1	5/ 2/18	" 300 RMA will be sent; 200 pursuit, 60 bombing, 40 observation training.
		1-C		" No. graduates week of April 27th.
A	1241	15	5/ 6/18	" Paul B. King ordered to report with 300 RMA's
A	1273	5-H	5/ 9/18	" No. graduates week May 4th.
A	1298	1-A	5/12/18	" Output for April 648; estimate May & June
A	1326	1-C	5/18/18	" No. graduates week May 11th.
P	1140	5-C	5/17/18	" Cancel sailing 300 RMA's and all flying personnel until further notice.
A	1357	4	5/20/18	" No. graduates week of May 18th.
A	1404	8-B	5/27/18	" No. week of May 25th.
A	1413	1-G	5/30/18	" 116 already sailed on A-528-K; rest cancelled
A	1450	6-A	6/ 4/18	" Graduates week of June 1st.
A	1462	8-C	6/ 6/18	" Estimate graduates for May & June & July; graduates week 6/4 should be 363 in lieu 70.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1479	3-A	6/ 8/18	R.M.A's: Observers & bombers graduating; are they wanted
A	1507	3-C	6/12/18	Graduates for week of 6/8/18
A	1556	2	6/19/18	Graduates for week of 6/15/18.
P	1347	5	6/20/18	5 older officers wanted like Ralph Sanger.
A	1608	22	6/26/18	Graduates for week of 6/22/18.
A	1665	15	7/ 5/18	Graduates & under training week of 6/29/18.
A	1695	4	7/11/18	Graduates & under training week of 7/ 6/18.
A	1725	3	7/16/18	Graduates & under training week of 7/13/18.
A	1735	10	7/18/18	Output June; estimate July & August.
C-P	47	1	7/27/18	No information on use of RM Aeronaut's Insignia
P	1559	5	8/ 5/18	If pilots cannot be sent; send best RMA's by 9/20.
S	12	5	8/15/18	Personnel asked for badly needed here.
A	1849	18	8/13/18	125 RMA's ordered overseas.
A	1895	14	8/30/18	Are 1000 RMA's without gunnery wanted?
C-A	6	3	8/15/18	No rating for Reserve Military Aeronaut; will be for balloon service.
S	82	1-C	9/ 4/18	1000 RMA's not wanted.
C-A	7	5	8/16/18	List of those ordered to France on A 899-K
S	151	4	9/14/18	Send 50 RMA's per month to Eng. for training.
X	92	9	9/23/18	1st 50 RMA'S ordered to Eng. Send copy training agreement & cable nature same.
X	94	5	9/21/18	Estimated flyers to be sent; numbers in training & how divided under specialized work.
C-A	16	1	8/30/18	Number students under training 8/22 and graduates week of 8/22.
S	191	2-C	9/27/18	RMA's for Engl. will be trained $\frac{1}{2}$ pursuit & $\frac{1}{2}$ day bombing.
C-A	19	10	9/ 7/18	Graduates & no. in training schools-US-8/28/18.
C-A	21	2	9/ 9/18	Graduates & no. in training schools-US-9/ 5/18
C-A	26	3	9/19/18	Graduates & no. in training schools-9/12.
C-A	30	2	9/27/18	Graduates & no. in training 9/19/18.
A	2053	2	10/14/18	Reasons for shortage flying personnel & estimated output for future.
C-A	34	1	10/ 3/18	Graduates & under training 9/26.
S	349	4-A	10/25/18	Send all flying personnel to France except 50 RMA's monthly to England.
S	354	3	10/26/18	Send classification of pilots & observers ordered to France, June to Oct. & send some report 3 times a month hereafter.
C-X	35	2	10/ 9/18	Graduates & under training 10/3/18
C-A	43	1	10/26/18	Graduates & under training 10/17/18.
C-A	44	1	10/29/18	Graduates & under training 10/24/18.
C-A	50	1	11/ 9/18	Graduates & under training 10/31/18.
C-A	52	1	11/15/18	Graduates & under training 11/ 7/18.
C-A	53	2	11/19/18	Graduates & under training 11/14/18
P	410	8-A	12/23/17	Those not on active duty arrive without equipment; should be issued equipment & blankets.
A	583	3		Those not on active duty being equipped as enlisted men.
P	1293	1-Q	6/13/18	REVILLI: Revelli gun not completed yet.
P	1353	2	6/22/18	RICHARD BAROGRAPHS: 15 Richard barographs different ranges sent.
P	424	2-A		RIFLE: Self-loading automatic is necessary; Remington preferred; 20,000 required, -500 at once.
A	576	5		Information requested on a self-load sporting rifle for use as auxiliary.
P	702	1-A	3/ 9/18	What rifles adopted for emergency use?
A	961	1-A	3/22/18	In future #30 caliber rifles will be used for aircraft purposes only.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	984	1-L	3/27/18	RIFLE: No emergency rifle decided; Remington is 5 round only; Springfield 10 round; Browning available July.
P	915	8	4/14/18	" Springfield should be used in emergency until Browning is available.
A	1253	1-A	5/ 8/18	" What provisions should be made for emergency guns, besides 825 Springfields in 1187-R-1D.
A	1500	5	6/11/18	" Cancellation of emergency rifles is contradictory.
P	1367	2	6/24/18	" No emergency rifles will be used.
S	9	7-A	8/14/18	" Revision of spare parts list for 1917 model
P	46	4	7/16/17	RIGHTS: US pledged not to use any information unless where we build in US
P	47	1	7/17/17	" Approve plan to pay \$100,000 to each mfr. for 3 engines and 3 planes for rights to manufacture in US
P	1029	3	5/ 1/18	RIVETT: Rivett grinders wanted for Brazier from White
A	655	2	1/20/18	ROAD ROLLER: Order placed with Allied Construction Machine Corporation
P	573	1-D	2/ 5/18	" " Not needed; second-hand machines can be purchased here.
A	655	2	1/20/18	ROCK CRUSHER: Order placed with Allied Construction Machine Corporation.
P	573	1-D	2/ 5/18	" " Not needed; second-hand machines can be supplied here.
A	840	7	2/ 1/18	ROCKETS: Information wanted on Saterau Dupont Rockets
P	737	10	3/16/18	" French preparing drawings; none available two months.
P	837	2-B	4/ 3/18	" Data & specifications on Saterau Dupont rockets.
P	1309	1	6/14/18	ROEBLING & SONS: Request shipment of steel cable for Caproni from them expedited.
A	1585	8	6/21/18	" " " Steel cable shipped from Roebling & US Steel Co.
P	589	6	2/11/18	ROLLER BEARINGS: Impossible to obtain roller bearings for Bugatti; information later
P	703	5	3/10/18	" " Information wanted from Hoffman Mfg. Co. on deliveries for Bugatti Engine; amount wanted immediately.
P	606	4	2/15/18	" " Data on bearings available & monthly schedule; Bugatti eliminates these.
A	36	3	7/16/17	ROLLS ROYCE: Johnson of Rolls Royce in Washington, arranging for 3 plants to produce 270 hp RR. immediately and 360 HP later; cable your suggestions.
A	47	1	7/23/17	" " Have you chance to receive original report on production of Rolls Royce?
P	38	1	7/ 1/17	" " Rolls Royce very good engine but cannot be put in quantity production; suggest as many as possible be produced.
A	75	1-7	8/ 5/17	" " All dealings for production must be between Governments free from royalties; prefer to confine types to Gnome, Hispano, Rolls Royce and LeRhone.
A	91	6	8/ 9/17	" " What is price to English?
P	86	8	8/ 8/17	" " Do not include in quantity production, but encourage manufacture in US.

(R)

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	86	9	8/ 8/17	<u>ROLLS ROYCE:</u> Strike off Rolls Royce from Board report
P	88	1	8/ 9/17	Interchange mfg. rights; agree to program.
P	93	5	8/12/17	" " Recommendations revised Joint Board pro- gram.
P	121	1	8/23/17	" " Cost of 1600 pounds.
P	3	2-4	9/12/17	" " Not suited for quantity production; Brit- ish will take it for DH-9.
		5		" " Urgent need big horsepower engine, but Rolls-Royce is too heavy.
A	112	1-3	9/18/17	" " Forward Contract Board's price.
A	146	1	9/ 2/17	" " Will British take over American contracts Rolls-Royce? Desire faster production en- gine.
P	163	2-5	9/16/17	" " Report test Martinsyde with Rolls Royce.
P	168	5	9/19/17	" " Record climb Martinsyde with Rolls Royce.
P	192	1	9/30/17	" " Figures comparative strength of Liberty, Bugatti and Rolls Royce.
P	599	5	2/14/18	" " Delay in manufacturing party; please expe- dite.
A	822	2	2/22/18	" " All possible assistance given to him by Cormack.
P	719	1-D	3/12/17	" " Requires castor oil.
P	904		4/13/18	" " Confirmation priority in Liberty allocat- ion to England as they have allotted all Rolls Royce to US.
P	913	1-F	4/14/18	" " Martinsyde & Vickers planes use Rolls Royce or Loreine Dietrich engines, single seaters.
P	1277	1-A	6/ 9/18	" " Is Liberty to have articulated rods like Rolls Royce?
A	1526	5-G	6/13/18	" " Liberty will not have articulated rods like Rolls Royce.
X	127	11	10/ 2/18	" " Performance Bristol with 300 Hispano will exceed Rolls Royce Bristol performance.
A	539	10	12/21/18	<u>R.O.T.C.:</u> 250 are available for instruction as Adjutants, Supply Officers and Engineers.
P	1222	2-B	5/31/18	<u>ROULEUR:</u> Foreign deliveries to May 1st.
P	17	1	6/28/17	<u>ROYALTIES:</u> Make no arrangements with private firms pend- ing conclusion of negotiations.
P	23	1	6/30/17	" " Negotiating matter of mfg. rights sending samples, etc.; in meanwhile with understanding will not be used until question settled.
P	47	1	7/17/17	" " Approve arrangement to pay \$100,000 each for rights to manufacture 3 engines and 3 planes, recommend Renault be included among engines manufacturers receiving sum.
SD	256	5	11/12/17	" " Royalties paid by French; better stop royalties after certain no. produced avoid large profits
A	590	2		<u>RUMPLER AIRPLANE:</u> Directed to ship 1 comp. with 400 hp Mercedes engine.
P	502	3-C	12/12/17	" " Can obtain shortly.
P	1788	3	10/13/17	<u>RUSSIA:</u> Lt. Mann wanted by Military Attache in Russia.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	983	3-C	4/24/18	SPAD: Plane designed by Becherer for Hispano is called S.A.B.; now under production at Spad factory.
A	1165	1	4/25/18	" Hispano 300 to be supplied to Becherer's Spad when drawings are received.
P	1204	2-D	5/23/18	" Becherer's Spad design unfinished.
P	1443	4	7/10/18	" Only 10% complete; req. 3 months to finish sample.
S	202	Con.	9/30/18	" Becherer S.A.B. ready Oct. 20; very good plane; production difficult
P	749	5	3/20/18	SAILMAKERS: Some squadrons arriving without sailmakers; 200 tailors should be recruited for this service; urgent.
A	1031	6	4/ 4/18	" 200 tailors will be supplied as sailmakers from draft; will sail in May.
A	13	2	7/ 2/17	SALARIES: Salaries of Motor Mechanics from Detroit, Indianapolis and New York fixed.
A	19	3	7/ 1/17	" Payment of \$4.00 per diem to motor mechanics for subsistence allowed; authority mailed.
P	41	5	7/14/17	" Arrange for fund Eng. for pay 30 Motor Mechs.
P	151	1	9/10/17	" Send information on pay & allowance of flying cadets.
A	336	1	10/29/17	" LePere & Demarier salaries not to exceed \$10,000 per annum.
P	319	1-A	11/27/17	" Recommend abolish increased pay for flyers & ranks of JMA, MA, etc.
A	389	6	11/14/17	" Cadets entitled to \$100 per month & 60¢ day rations in Europe.
A	421	2	11/23/17	" Send 2 Handley Page men; salary \$400 per month.
A	474	9	12/ 5/17	" Recommendations on pay of civilian & enlisted candidates \$312 per month.
P	412	5	12/24/17	" \$100 a month for candidates at ground school
A	481	8	12/ 7/17	" Payment of \$204 per month.
A	530	3	12/17/17	" Experts from here should have letters stating agreement salary expenses, also cable when they leave.
		10		" Of employees 5% increase.
A	597	7	1/ 4/18	" Increase granted to civilian mechanics.
A	707	3	1/29/18	" Capt. D'Annunzio & 13 mechanics are in US to assist production Caproni; how about salary?
P	567	7-B	2/ 3/18	" No record of Capt. D'Annunzio's arrangement Waldon has details.
A	730	1	2/ 3/18	" Proposed increase of 25% officers on flying duty
A	762	3	2 11/18	" Etienne Dormy salary will be paid in US
P	319	1-A	11/27/17	" Increase of salary for flying officers not warranted.
P	601	4-A	2/14/18	" Condition flying officers not changed; Increase not warranted.
P	885	5-B	4/11/18	" Flying officers drawing more pay than artillery observers doing same work; injustice should be corrected.
A	730	1	2/ 3/18	" Proposed increase of 25% for flying officers
A	1155	1	4/23/18	" Solution of trouble between Artillery Observers pay and flyers pay, is that graduates of observers school get flying status. Congress has refused to cut out extra pay for flyers.
P	1134	1-L	5/16/18	" Observers not in AS but who make flights are entitled to 25% increase, should be returned to their own organizations occasionally to keep in touch.
P	1405	7-A	7/ 2/18	" Rec. reduction of pay of cadets from \$100 to \$72 to take effect 6/6 instead of 4/1

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1762	18	7/23/18	<u>SALARIES:</u> Reduction in pay of cadets effective June 6th
C-S	94	1	8/31/18	" Increase of salary of \$200 requested for 6 Field Clerks.
X	272	8-B	11/13/18	" Increased compensation for civilian employees & those entitled; per letter October.
P	700	5	3/10/18	<u>SALMSON:</u> All Salmson & Breguet gas tanks on Sopwith & Spad have bullet proof tank; data on Spad.
P	749	5-D	3/20/18	" Status of foreign order.
P	776	1-A	3/25/18	" Lorraine Dietrich cannot be shipped for 2 months Salmson more desirable, as high power engine.
P	808	1-E	3/29/18	" Schedule of foreign orders.
A	1080	1-C	4/12/18	" Computation of castor oil req. from no. deld.
P	968	1-K		" Keep us posted on.
P	1222	2-A	4/21/18	" Tests & data on Salmson.
		2	5/31/18	" Salmson 600 h.p. more interesting; 1 will be sent.
		2-B		" Received from foreign sources May 1st.
P	1225	2	6/1/18	" Data on armament and armour.
P	1232	8-C	6/2/18	" 2 270 h.p. Salmsons will be shipped June 1st.
P	1358	8-B	6/24/18	" 2 270 H.P. Salmsons shipped June 20th.
A	1665	1-F	7/4/18	" What is status of orders Salmson?
P	1470	7	7/16/18	" Data on armoured Salmson.
S	67	3-A	8/31/18	" French have shipped 600 h.p. Salmson to US.
X	53	5	9/6/18	" Request cable boat & sailing of Salmson.
S	122	2-A	9/12/18	" 600 h.p. not suitable for American production.
S	144	4-B	9/17/18	" French say sample was received at Dayton & little interest shown.
C-S	129	1	9/15/18	" Advantages & description of Salmson 600 h.p. Not recommended for production.
S	228	1-D	10/5/18	" Cable conclusions on Salmson 600 h.p.
X	153	1	10/10/18	" Will not be in production in US but will furnish parts for French if desired.
X	179	9-A	10/17/18	" Cable name of boat carrying sample plane.
C-X	253	1	10/19/18	" Supply prospects September 30th.
S	357	6	10/26/18	" Date shipment not fixed.
C-S	278	1	10/27/18	" Request all Hispano & Salmson material be marked P & M, APC#2.
S	441	5-A	11/11/18	" French cannot give data on boat
C-S	334	1	11/21/18	" Supply prospects October 31st.
S	743	1-A-G	1/3/18	" No. for which US will be held accountable.
P	1035	3	5/1/18	<u>SALVAGE SHOPS:</u> Have superintendents & engineer foremen been selected for salvage & repair shops?
A	1174	1-E	4/25/18	<u>SAMPLES:</u> Destination & date shipped of samples from overseas wanted to avoid confusion.
P	1029	3	5/1/18	" 1174-A 1E not understood; please repeat.
A	1253	10	5/8/18	" When sample planes equipment, etc. shipped to US cable date and shipment.
P	702	1-A	3/9/18	<u>SARGENT LINKS:</u> When can Sargent Links be shipped for Vickers guns?
A	1016	11	4/1/18	<u>SAULLIER:</u> Information wanted on report that French are building Moran & Saullier around Bugatti.
A	840	7	3/1/18	<u>SAUTERAU DUPONT:</u> Information wanted on S. D. rockets
P	737	10	3/16/18	" French preparing drawings; no rockets available for two months.
P	837	2-B	4/3/18	" " Data & specifications on SD rockets.
P	749	5-C	3/20/18	<u>SAVAGE ARIS CO.:</u> 250 copies Aircraft Lewis wanted from Maj. Dooley.
A	974	1-F	3/25/18	" " " Dooley will send books.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	1031	6-B	4/4/18	SAVAGE ARMS CO.: Lewis books being printed
X	14	1-C	8/20/18	" " " See Cobb of S.A. Co. re: difficulties with Lewis Mg.
A	1423	1-H	5/30/18	SCARFF: Scarff rings will be used on H.P.
X	235	6	11/2/18	" " " Are pilots using 2 Lewis guns on Scarff mount or has French Tourelle replaced it?
P	3	2-6	9/12/18	SCOTT: Send Scott bomb dropper & telescope.
S	406	6-A	11/4/18	SCREWS: Send 5000 r.h. mach. clamp screws.
S	508	3	11/26/18	" " " Req. SS 8824 was used to identify mach. screws.
SD	19	1	6/28/18	SE-5: 1 SE-5 without engine will leave on Adriatic July 4th.
SD	30	1	7/1/18	" " " Will send drawings & specifications in about 10 days.
A	122	2	8/24/18	" " " Privilege to use SE-5 as seen fit.
A	590	4	1/4/18	" " " Exchange of H.P. and DH-9's
A	1062	1-H	4/8/18	" " " England can supply 200 without engines; are Hispano engines wanted for them?
A	1094	11	4/14/18	" " " Ditto & should Spad or SE-5 be produced for Hispano?
P	913	1-F	4/13/18	" " " SE(s and Spads single-seater fighters with Hispano engines are best on front.
P	973	1	4/22/18	" " " Will Hispano productions be interfered with if US furnishes engines for 200 planes offered by English; contract should be let on monthly
A	1165	1	4/25/18	" " " 180 h.p. Hispano can be supplied for British Se's
A	1214	2	5/2/18	" " " Wright-Martin can produce Hispano for SE-5's estimate shipping schedule.
		2-A		4 sample SE-5's wanted immediately in US for help on production planned.
P	1052	2-A	5/5/18	" " " 1st Hispano 180 should go to England; data wanted on subsequent shipments; will be installed in SE-5; No SE-5's should be made in US.
A	1224	Con.	5/3/18	" " " Data on allocation of planes & engines & program of classified squadrons to be kept on the front.
P	1102	H	5/13/18	" " " Disapproval of SE-5 production still pending report of Board of Officers.
P	1116	3-B	5/15/18	" " " Hispano will be needed from US for 200 SE-5 ordered in England.
A	1318	1-C	5/15/18	" " " Conflict in orders on SE-5 Req. samples.
P	1197	4-B	5/27/18	" " " 3 SE-5's without engines & 1 with engine ready to ship in one week.
A	1413	1-J	5/30/18	" " " What instruments wanted to equip order for 20
A	1476	9	6/9/18	" " " What gears & instruments should be furnished for SE-5's purchased from England?
P	1341	2-B	6/19/18	" " " Instruments & spares needed for SE-5's
A	1596	1	6/24/18	" " " How many Hispanos wanted for SE-5's?
A	1607	10	6/25/18	" " " Can different sized tubing be used? Also altimeters and compasses.
P	1395	3-B	6/29/18	" " " Send 1 Hispano for test in SE-5.
A	1696	2	7/11/18	" " " Production estimate for July 1919.
C-P	63	1	7/31/18	" " " Use British for speeding action; keep order in authorized channels.
X	5	1	8/14/18	" " " Should Hispano for SE-5 be provided with tachometers drive or with standard US. connections?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER;
- S	33	3-B	8/21/18	SE-5's: Can send SE-5 planes for training in US. if it will not disturb delivery of Hispanos to AEF.
S	45	4-A	8/24/18	" Hispano for SE-5 to be provided with tachometer drive.
X	37	8	8/31/18	" No SE-5 wanted except original 54.
A	1929	2	9/ 9/18	" Performance test of SE-5.
X	70	4	9/13/18	" Are SE-5 wanted knocked down?
S	144	4-C	9/17/18	" Capt. Murray has data cooling SE radiators.
X	81	1-A	9/17/18	" Only 2 Hispano Mfgs. Popo in London observing SE-5.
S	152	5	9/19/18	" Change in delivery Hispano to help out production SE-5 & Spad now choking shops.
S	196	5-A	9/28/18	" Await arrival spare parts list.
C-A	19	11	9/ 7/18	" Send copies all orders & contracts made for SE-5's in England.
S	256	2-C	10/10/18	" SE-5 contracts are recorded in London; copies have been requested.
X	143	8	10/ 8/18	" 1st order placed for 1000; does AEF want any?
X	145	5	10/ 8/18	" Status production September 27th.
S	313	5	10/19/18	" Copies of SE-5 contracts & orders being sent.
S	314	2-D	10/19/18	" How many SE-5's can be sent to France November, December, & January? How many will this affect Hispanos?
X	211	4	10/26/18	" Can float 100 SE-5's per month but this will reduce Hispano shipments accordingly.
S	402	5-A	11/ 4/18	" Ship Hispanos here for planes rather than hold in US for SE-5's.
X	340	3-B	12/ 7/18	" Any Spad or SE-5 built for 180 Hispano can be used in US up to 300.
S	637	7	12/17/18	" Some SE-5's & Spads will be sent for installation of Hispanos.
X	364	2	12/19/18	" Production status Nov. 29; est. prod. to 12/30.
S	677	4	12/23/18	" No. on hand AEF; are any wanted in US?
S	743	1-A-C	1/ 3/18	" No. for which US will be held accountable.
X	405	3	1/ 7/18	" Planes to be sent to US.
A	347	2	10/31/17	SEARCHLIGHTS: Any searchlights needed for planes, balloons
SD	248	6	11/ 6/17	" No searchlights for planes or balloons.
P	1025	5	5/ 1/18	" Data on field lighting trucks & searchlights wanted.
P	840	5-B	4/ 2/18	" Lewis machine guns to be issued to searchlight units.
S	346	9	10/25/18	SELSDON DROWNED WIND MILL PUMP: Changing DH gas feed to SDWMP to eliminate fire risk.
X	239	7	11/ 4/18	" " " " " Selsdon pump unknown; Marmomon working on wind driven pump for DH-4 gas.
P	1561	10	8/ 6/18	SERVICE OF SUPPLIES: S.O.S. to take over all correspondence and cables & material, except matters of policy.
P	1356	5	6/23/18	SEWING MACHINES: 125 sewing machines wanted.
P	1366	1-E	6/25/18	" " Priority list for July.
A	1667	2-B	7/ 5/18	" " Orders placed.
S	35	6	8/22/18	" " Change sewing machines to double stitch.
X	45	9	9/ 6/18	" " Cannot secure sewing machines without motors; what current wanted?
S	117	1-B	9/11/18	" " Sewing machine motors 110 volt, 50 cycle.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
X	82	7	9/19/18	<u>SEWING MACHINES:</u> No water pressure motors available. Send sewing machines with universal motors for APC
S	183	9-A	9/26/18	
C-S	179	1	9/30/18	
C-S	194	1	10/ 3/18	
S	256	2-G	10/10/18	
X	148	3	10/ 8/18	
X	179	2	10/17/18	
X	236	2	11/ 2/18	
S	446	5	11/13/18	
P	1336	2-	6/19/18	
A	1569	3-F	6/20/18	
P	1322	4-C	6/17/18	
A	1573	4	6/20/18	
A	1590	2	6/24/18	
A	1617	9	6/27/18	
A	1685	4	7/ 9/18	
A	1692	12-A	7/11/18	
P	1581	4	8/10/18	
X	6	4	8/16/18	<u>SHOCK ABSORBER:</u> Float at once 10,000 feet shock abs. cord. 10,000 ft. cord ordered- part to be floated immediately.
A	764	9	2/11/18	<u>SHOVELS:</u> Shovels, pick axes & wheel barrels being shipped; US has no information on tool situation in Europe.
A	229	4-9	10/ 2/18	<u>S I A :</u> Aircraft Board approves SIA & Caproni with Fiat and Isotta.
P	749	5-D	3/20/18	" Status of foreign order.
P	869	6-B	4/ 8/18	" Statement of foreign deliveries to 3/28/18
P	882	2-E	4/10/18	" Cancel order for SIA Italian order as plane is a failure.
P	889	3	4/11/18	" Report of its status of completion for Liberty
A	1107	7	4/16/18	" Italian order cancelled.
A	1174	1	4/25/18	" Contract was not made in US: will have to be cancelled here.
A	2212	6	5/ 2/18	" Treasury wants data as to closing up Italian S I A contract.
P	1387	1-C	6/28/18	" S I A machine gun mfgd. by Fiat Co; instruction book coming.
A	1695	1-E	7/11/18	" Negotiations for sample gun & ammunition.
A	1540	7	6/16/18	***** Have an interesting oxygen pump* (Sieve Gorman
A	80	4	8/ 6/17	<u>SIGHTS:</u> Get sample & mfg. rights of best gun sight.
P	123	4	8/24/18	" Stac sight no longer approved; see sight on Breguet sample.
P	179	6	8/24/18	" Recommend Aldis sight for machine guns
P	180	9	9/24/18	" Chretien sample requested; Aldis better.
P	184	4	9/26/17	" Data negative bomb sights; DH sent. begin production.
P	187	4	9/27/17	" Start large production Aldis sights.
SD	187	3	10/ 2/17	" Aldis sight & face shutter sent August
SD	193	5	10/ 9/17	" Shipped Govt. pouch; need 16,600. (Aldis)

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABIN	SUBJECT MATTER:
A	239	4	10/ 2/17	SIGHTS: Aldis sample not recd. production arranged
A	289	3	10/17/17	Cannot get big production Aldis sights on account scarcity.
A	350	4	11/3/17	" Send samples English & Italian bomb sights
SD	224	5	10/24/17	" Telescope sight attached to gun.
SD	247	3	11/ 6/17	" Wimperis high altitude sight considered best drift sight; will procure.
SD	250	2	11/ 8/17	" Italy bomb sights unsatisfactory; Wimperis High and Low altitude best.
SD	262	1	11/15/17	" Use Birmingham type Aldis not Prism Co.
P	422	1-A	12/21/17	" Bomb sight situation unsettled.
P	481	7-A	1/13/18	" Information on Aldis Mac. G.
P	502	3	1/16/18	" Data on shipment of Lewis Mach. guns wanted.
P	522	4	1/20/18	" No low altitude Wimperis wanted.
P	551	5	1/29/18	" Information wanted on division of duties between Ordnance and Signal Corps.
A	491	6	12/10/17	" Data on Wimperis and camera bombs.
A	499	5	12/10/17	" Equidistance send drawings of; send drawings of bombs.
A	511	3	12/12/17	" Wimperis & French S.T.A. March 2A CF.S. 4B and 1916 R.N.A.S. Naval high & low altitude.
A	622	2	1/11/18	" Data wanted on expenditures.
A	661	1	1/21/18	" Machine guns to read in meters.
A	672	2	1/22/18	" Norman Windvane, Aldis, front & rear ring sights drawings being sent.
A	693	9	1/25/18	" Wimperis low altitude used in US for training only.
A	703	9	1/28/18	" Details of gauges for DH & Bristols
A	736	3	2/ 5/18	" Division of duty between Ordnance & Air Svs.
P	575	2-C	2/ 6/18	" All machine gun sights will confirm to standard in 672- R. P. 2.
P	599	5-B	2/14/18	" All data has been furnished Ordnance Dept. Air Service will cooperate with Ord. Dept.
P	631	2-A	2/21/18	" Rear sight base should be left on Lewis gun 5 weeks before planes can be equipped.
A	828	9	2/25/18	" Bomb sights omitted on lists of order foreign planes; should they be purchased?
A	833	31	3/ 1/18	" Feed remains same; back sight is part of feed but can be changed as wished.
A	867	2	3/ 6/18	" To be applied for foreign built planes.
P	739	5-A	3/16/18	" Have any Wimperis high altitude sights been shipped; urgently needed.
P	742	8	3/17/18	" What is status Aldis machine gun sight?
P	749	5-B	3/20/18	" No. Wimperis sights wanted April & May.
P	755	9-A	3/21/18	" No high altitude Wimperis shipped yet. Production just started; where should they be shipped to?
A	974	1-C	3/25/18	" 260 Wimperis sights will be shipped April 15th.
A	186	1	3/28/18	" Stop wtaches not used with Wimperis sights.
A	1016	1-K	4/ 1/18	" Ship Wimperis sights be messenger; have him report by telegraph to CAS
A	831	6-E	4/ 1/18	" Luminous sights & aiming stakes should be provided for Browning guns.
P	840	5-A	4/ 3/18	" All planes having fixed guns should hve ring sights and Aldis sights.
P	857	7	4/ 6/18	" Status of Aldis & Norman sights; shipments
A	1067	2-E	4/ 9/18	" All planes with fixed guns being equipped with Aldis and ring sights.
A	1094	1-C	4/14/18	"

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER
A	1146	4	4/21/18	SIGHTS: No Wimperis ready; 50 to be shipped 5/1/100 5/20/18.
A	1251	10-C	5/ 6/18	" 50 sights floated, 100 more by 5/20. Planes will have bomb sights mounted on them.
A	1399	1-E	5/26/18	" 50 Wimperis docked May 24, 100 more June 1st
P	1268	4	6/ 8/18	" Ship 100 Aldis sights; wanted for pursuit planes.
A	1500	5-B	6/11/18	" Are illu. Aldis sights being used?
A	1626	5-G	6/14/18	" 300 unit sights ready; will apply on order 1000
P	1386	4	6/28/18	" Only exper. Aldis illumin. sights used.
P	1446	10	7/11/18	" Expedite armament spares for DH.
P	1447	2-B	7/11/18	" Requirements for July to September.
A	1696	1	7/11/18	" Are 1000 Aldis wanted in addition to those ordered.
P	1467	1	7/15/18	" Supply prospects as of June 30th.
P	1534	30	7/29/18	" Ship sights Lewis yokes Bowden cable, Spad triggers, No. CC for Marlins.
A	1812	13	8/ 5/18	" Shipments per month of Aldis sights.
C-P	98	2	8/ 6/18	" 100 sets charts wanted by Information Section
S	36	3	8/22/18	" Aldis has insufficient illum. for night sight
X	27	4	8/27/18	" 500 lens sights will be freighted Sept. 1st.
X	91	5-B	9/21/18	" Can Peyru stadia be used trench sights?
S	186	7	9/26/18	" Description of how day bombing is done.
S	198	5-B	9/29/18	" Peyru stadia are satisfactory for sights.
C-X	11	6	10/10/18	" Estimate of A.S tonnage available October.
X	140	6	10/ 8/18	" What are requirements Neame & Norman illuminated night sights?
S	284	4-B	10/14/18	" Mr. Gray coming with sample Gray stabilizing bomb sights.
S	313	5-D	10/19/18	" Lt. Claussen has sample Gray gyroscopic bomb sight.
S	333	8	8/19/18	" Ordnance tonnage priority for September.
S	402		11/ 4/18	" Send 2 synchro. bomb sights all kinds for tests here.
S	434	6-D	11/ 9/18	" Build USD-9 with door in fuselage for 7th A. I. C. bomb sight.
S	440	3-3-A	11/11/18	" 7th AIC bomb sight successful; recommend all DH be equipped with it; recs. to July.
X	267	1	11/12/18	" No illuminated sights produced; copying Neame sight for HP and awaiting advice.
X	275	1-H	11/14/18	" No complete synchronizing bomb sight ready; Ford sights in two weeks.
S	457	2	11/15/18	" Include suitable sight in bombing equipment.
X	327	4	12/ 2/18	" 1 Ford bomb sight being shipped.
		10		" Complete drawings & information wanted on Michelin bomb sight.
S	600	6-A	12/11/18	" Hold Ford bomb sights; cannot rest abroad.
P	551	5	1/29/18	SIGNAL CORPS: Information wanted on their dates on bomb
A	1385	2	5/24/18	" Air Service has been separated from SC; & all cables should be addressed to Dir. Mil. Aeronautics.
A	1418	5-B	5/29/18	" " Air Service separated from S. C.
S	38	5-B	8/21/18	" " Air Service tonnage should be separated from Signal Corps tonnage in reports.
X	159	4	10/11/18	" " All requests re production of A.S. eqpmt to be sent to DMA not to CSO.
P	1829	10	10/22/18	" " New arrangement- SC taking over radio section.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	354	9	11/ 3/18	<u>SILICON:</u> Monthly schedule silicon, cylinders & caustic soda.
SD	230	1	10/29/18	" French request silicon & cylinders
A	455	12	11/30/18	" 90% mfgd. at Niagara Falls; will determine amount available for England.
A	501	1	28/ 12/18	" Suggest British take up question of f.s. with imperial munitions board.
S	144	1-G	9/17/18	" 10 hydrogen compressors wanted in January; no silicon plants needed.
X	83	3	9/18/18	" Estimate to be floated November.
C-X	11	6	9/10/18	" Estimate of A.S. tonnage available October.
X	145	5	10/ 8/18	" Production status September 27th.
A	1432	4-A	5/31/18	" Is any more Ferro Silicon wanted?
P	1260	8-C	6/ 7/18	" No more silicon wanted for balloons.
P	1365	1-F	6/24/18	" French need 250 tons silicon now.
A	1655	1-D	7/ 4/18	" How much more silicon wanted?
P	1443	4-A	7/10/18	" None needed by ABF after Sept. French will probably require 350 tons per month.
A	1775	11	7/25/18	" 250 tons on July priority.
P	1507	1-D	7/25/18	" August tonnage priority.
A	1812	13-A	8/ 5/18	" Estimate of flotation for September.
A	1821	3	8/ 8/18	" Where & how will payment of Silicon be made?
X	10	14-B	8/17/18	" Changes in estimates for September shipments.
S	33	1	8/20/18	" Payment for silicon will be made in US.
S	25	1	8/19/18	" Tonnage priority for September.
X	53	4	9/ 6/18	" Balloon equipment to be floated September.
S	125	1	9/22/18	" Tonnage priority for October.
X	158	16	10/11/18	" Estimated flotation for November.
S	266	1-F	10/12/18	" Tonnage priority for November.
X	354	1	11/ 7/18	" Estimated flotation for November.
X	257	6	11/ 8/18	" Production status November 1st.
S	466	2-A	11/18/18	" Discontinue shipment ferro silicon 1st.
S	550	9-B	12/ 4/18	" Will dispose of ferro silicon in France.
X	342	9	12/10/18	" Do not return ferro silicon.
S	83	2	12/10/18	" Status of French indebtedness for.
S	623	5	12/15/18	" Request maximum & minimum prices to French for ferro silicon?
X	373	6	12/23/18	" Prices charged to French for ferro silicon.
S	386	4	10/31/18	<u>SIEK;</u> Address of silk market in Japan where procural by Michelin for parachute flares.
A	10	1	7/11/17	<u>SINGER SWEING MACHINE COMPANY:</u> Arrange meeting with S.S.M. Co. re the standardizing of airplane bolts, nuts, etc.
SD	33	1	7/ 1/17	" " Suggest investigation view to standardizing airplane bolts, screws, nuts, etc.
P	719	1-F	3/12/18	<u>S.J. AIRPLANES:</u> February deliveries wanted
A	1238	1	5/ 4/18	" Deliveries through April 27th.
A	1848	1	8/15/18	" " Forecast production for Aug. & September
A	66	1-1	7/29/17	<u>SMITH:</u> Interview Watson, Paris, re Smith Static motors
P	86	6	8/ 8/17	" Marmon investigating static motor
P	146	3-1	9/ 7/17	" Smith static motor considered no good.
S	264	3-A	10/11/18	<u>SNOKE APPARATUS:</u> Send 6 sets apparatus for planes.
SD	19	1	6/28/18	<u>SOPWITH:</u> 1 Sopwith Camel with 130 h.p. Clerget will leave July 4th.
SD	30	1	7/ 1/18	" " Will send drawings & specifications for Sopwith Camel in about 10 days.
SD	45	1	7/ 5/18	" " British also sending 1 Sopwith 1 1/2 strutter
A	161	4	9/ 8/18	" " Latest sample & tests wanted.
A	198	10	9/21/17	" " When will SPAD and Sopwith come?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	590	4	1/ 4/18	SOPWITH: Exchange Dolphins for H.P. & D.H.9's
P	560	5-F	2/ 1/18	Order placed with England for 300 Sopwith plane estimate price \$1,500
P	589	6-F	2/11/18	Order place with British for 300 Sopwiths.
A	835	2	2/28/18	14 Squadrons will use Sopwith Camel planes.
P	700	5	3/10/18	All Salmson & Breguet gas tanks have bullet proof tank; data on specifications.
P	749	5-D	3/20/18	Status of foreign order Sopwith planes.
P	869	6-B	4/ 8/18	Statement foreign deliveries to March 28th.
P	916	9-A	4/15/18	Being sent to US for Hispano engines
P	958	2-D	4/20/18	Built for 200 h.p. Hispano, modified for 300 HP
P	973	1	4/22/18	Sopwith Camel delivery cut 45%
P	1204	2-D	5/28/18	Sopwith Dolphin not completed
P	1222	2-B	5/31/18	Foreign deliveries to May 1st.
P	1229	6	6/ 2/18	England will use Hispano in Martynside.
A	1709	1-D	7/13/18	Sample wanted.
P	1470	7	7/16/18	English building 500 armored Sopwith Salamander
P	1520	3-C	7/27/18	Delivery indefinite; 30 ordered.
X	48	6-A	9/ 5/18	Sample not received of Sopwith Martynside & AEC
S	161	2-E	9/21/18	Snipe orders cancelled; Dolphin ready in 2 wks
S	199	6-A	9/30/18	Sopwith Dolphin recommended for adoption as single seater chasse plane; sample being sent
X	132	1	10/ 3/18	Forward drawings & lists material for Sopwith Dolphin; urgent.
X	140	2	10/ 7/18	Is recommendation for Sopwith Dolphin in S-19 6-A with Hispano to mean start production?
S	273	9-B	10/12/18	Drawings Sopwith, Dolphin not complete 1st 10 promised from France. 1st Dolphin with Hispano will be sent to US.
S	295	Con.	10/16/18	Sopwith Dolphin officially accepted drawing & 1st machine will be sent to US in Nov.
X	179	9	10/17/18	Ship sample & drawing & cable boat on which leaving.
C-S	253	1	10/19/18	Supply prospects September 30th.
S	354	3-A	10/26/18	Rushing drawings & sample; cannot give shp;ng date.
X	232	6	11/ 1/18	Forward 2 material lists and 2 sets fitting with 1st Sopwith. Cable boat leaving.
X	253	5	11/ 7/18	Advise boat date one Sopwith Salamander & Dolphin floated.
S	441	5	11/11/18	Lists & fittings Dolphin will be sent cannot give boat date.
C-S	334	1	11/21/18	Supply prospects October 31st.
S	484	6-A	11/22/18	Is Sopwith Dolphin still wanted? Should Harriman stay for Hispano tests?
S	525	6-B		Sopwith Salamander to be shipped next week.
S		7-B	11/29/18	Think inadvisable purchase drawings & rights Sopwith Hispano now wire cancellation.
X	315	5	11/27/18	Send the Sopwith planes.
X	340	3-A	12/ 7/18	Cancel sample Sop. Dolphin, drawings, etc.
S	644	6-B	12/18/18	Orders for Sopwith Dolphin cancelled; drawings procurable on promise not to manufacture
S	677	4	12/23/18	No on hand REF; any wanted in US,
S	743	1-A-G	1/ 3/18	No. for which US will be held accountable
X	405	3	1/ 7/18	Planes to be shipped to US
A	1589	9	6/22/18	Sound LOCATION OF PLANES: Does Air Service or Engineer do the sound locations of planes.
P	1390	5	6/29/18	Not done by Air Service but by search-light and anti-aircraft gun units.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	9		7/8/17	SUPPLIES: Subject matter of this cable is garbled. England states greatest need are Spruce, Crankshafts, training engines, ball bearings Tardieu has data relative to French needs.
P	46	2	7/16/17	
		3		
P	146	5	9/7/17	" Establishment of the automatic supply of material and 90 day reserve.
A	229	4-8	10/2/17	" Can office furniture be procured in France
P	168	8	9/19/17	" Send all forms property accounting
P	224	13	10/17/17	" Names of Ports to which heavy articles are to be shipped.
A	302	11	10/19/17	" All material must be purchased thru Purchase and Supply Section
A	308	10	10/19/17	" Establishment of the Automatic supply approved
A	306	5	10/22	" Government to approve gold beaters skin. What ply wanted?
		4		" Material shipped week of Oct. 22
A	359	5	11/5/17	" Supplies loaded week of Nov. 5
A	367	9	11/5/17	" 50 men for supply training coming
E	218	2	10/22/17	" Office furniture supply very low
E	221		10/23/17	" Bolling prepared to distribute all material to destination
EA	287		11/29/17	" Being received damaged. Recommendations for packing.
A	380	13	11/10/17	" Investigate damage to A.S. material. Officers at ports.
P	354	4	12/8/17	" 4 months supply which troops bring do not accompany troops after landing.
P	354	4	12/8/17	" So not accompany troops. Are sent to supply depots.
A	465	7	12/2/17	" Ascertain through A.E. Turner production cellulose acetate.
EA	501	2	12/12/17	" Shipments of all sorts materials tools etc. for aviation.
A	505	4	12/11/17	" Oils for Air Service
A	530	14	12/17/17	" Shipped all kinds of material
A	540	7	12/21/17	" Stationary to be drawn from Q.M.
A	552	6	12/23/17	" Aerial and photographic and shipment of
A	703	3	1/8/18	" No demands for base repair depot supplies received.
A	716	4	1/20/18	" Changes in program. Delivery of supplies out 50%. Delivery one month later.
A	761	10	2/11/17	" Terms to be used in describing shipments
A	933	11	3/17/17	" Supply list to be sent addressed to Officers at port of debarkation.
A	959	2	3/21/17	" Allocations only cover material to be freighted here after
P	691	2D	3/25/17	" Property officers should drop accountability by filing lists of supplies turned over to transports.
A	975	8 ABC	3/25/17	" Property officers will drop etc. per above
P	1197	4D	5/27/17	" Request acctbly be dropped in shipments from England to France as in those from US to AEF
A	1429		5/30/17	" New Board of Purchases formed to combine supplies.
A	1486	3	6/9/17	" Accountability in shipments England to France
P	1188	I ABCDEF	5/25/17	" Plan for allotting replacements of supplies of material to Allies
P	1378	3F	6/27/17	" Supply prospects as of June 15th.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	1413	IOA	7/4/17	SUPPLIES: Consult Col. Spaulding regard Aviation supplies
P	1421	IB	7/6/17	" Are supplies to be issued to Air Service in Italy?
P	1467	I	7/15/17	" Supply prospects European sources.
P	1471	2D	7/16/17	" Mark Aviation supplies for Air Service AEF and not for squadrons
A	1734	19	7/18/17	" S.C. Specifications for Supplies being sent.
P	1491	12	7/20/17	" Mills for material bought by French will be sent.
A	1752	5B	7/20/17	" Supplies will be marked AS AEF
P	55	I	7/20/17	" Supply prospects WEF July 15th.
P	1539	8A	7/31/17	" Cable what material available for Sept. priority.
P	1533	I	7/29/17	" Troops should come without unit equipment, same to be sent separately and units equipped here.
P	CC 108	I	8/8/17	" Send courier list short and ship tons for every article to be floated to prepare 12 mos. program.
S	2	I	8/10/17	" Supply prospects as of July 31st
X	6	2	8/16/17	" What is period covered by Sup. PR July 31st.
S	40	2	8/23	" Supply prospects July 31st in CP 55
S	45	4G	8/24/17	" Information wanted on property regulations Is old Signal Corps manual being used?
CS	65	I	8/25/17	" Supply prospects August 15th
S	54	3	8/28/17	" Cable best estimate available for flotation October and November and devise way of sending monthly forecasts automatically.
S	13	2	8/15/17	" What was lost on Tippecanoe?
CS	81	1	8/29/17	" October requirements for Balloon Sect.
X	45	4	9/24/17	" All available for Sept. shipments listed in 10-14 B and A1812-13 A.
		8		" 4th quarterly estimate in 3 weeks. Mul by 20
CS	122	I	9/11/17	" Supply prospects August 31st
X	74	10	9/14/17	" Send all cables having to do with purchase to Adjutant General for purchase.
S	164	I	9/22/17	" Definition of matters of engineering and assembly needed to order intelligently thru Purchasing Board.
X	92	7	9/23/17	" Recommendations on raw material received. List of shipments soon.
A	1993	2	9/27/17	" Were contracts with French for supply superseded by May 3rd. Clothing
S	176	I	9/29/17	" Supply prospects Sept. 15 Clothing
S	196	5C	9/28/17	" Rush shipment fourth quarterly estimate
X	128	3	10/21/17	" Information on engineering and special assembly to go direct to Bureau concerned.
S	235	5	10/7/17	" Contracts of May 3rd cancelled Aug. 3 and former ones but material still needed.
S	306	6	10/18/17	" Campbell list not identified. Send copy.
CS	253	I	10/19/17	" Supply prospect Sept. 30th.
CX	27	2	9/29/17	" List of numbers of orders released for purchase brought by Captain Murray.
S	341	5A	10/24/17	" When will Dunn arrive with #2 requisition Supply Section.

LETTER BINDER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
S	342	4	10/24/17	SUPPLIES: Ship all spares and instruments to Aviation General Supply Depot.
X	201	2	10/24/17	" Re mixup in Campbell material letters.
S	369	4B	10/29/17	" Requirements squadron material sent by Major Brett, not Col. Woods.
P	376	4A	10/30/17	" Requisition #2 will hereafter be called "A".
		4B		" Re mixup in Horner's letter & Campbell letter. Recommend J.G. White fill requisition "A".
		4C		" Ship all "m" in addition to Req. "A" when possible.
S	382	5	10/30/17	" Send 5 tons pig copper on Req. "A" Urgent.
S	399	Con	11/3/18	" Cancellation of tonnage.
S	406	5	11/4/17	SUPPLY: Send 5000 r h machine clamp screws.
X	241	5	11/5/17	" Major Dunn has arrived with Req. 2.
X	254	1	11/7/18	" estimated floatation air service Moc.
		5		" Col. Dunwoody's letter Oct. 9, par 5 and 6 concurred in by Ryan.
S	423	4A	11/7/17	" Change item 400 ft? hose on 4th quar. estimate.
X	255	11	11/7/17	" Reasons for shortage shipments A.S. in space given to Motor Transport.
CS	343	1	11/8/17	" Supply prospect October 15th.
A	2158	8	11/7/17	" 4 Officers with knowledge of operation, mobilization and supplies wanted in US
X	256	3	11/10/18	" All cables re supplies handled by Purchase Storage and Traffic. Send all letters re supply to same also.
X	262	Con	11/11/18	" What are recommendations for shipping in view of armistice. 800000 tons available.
A	1901	11	11/16/18	" 3 Officers to be returned to US for duty.
X	273	1	11/14/18	" No record of Req. 8824 for machine screws
S	456	1	11/15/18	" Cancel all construction material A.S. Itemized cancellations follows.
S	477	1	11/20/18	" Ship only what is called for specifically.
CS	334	1	11/21/18	" Supply prospects Oct. 31st.
X	298	8	11/22/18	" Advise cancellation hardware & metal supplies.
S	487	1	11/23/18	" Dec. tonnage priority A.S. cut to 1000 tons.
CX	48	1	11/2/18	" Reference Campbell letter telling him to ship material through J. G. White.
P	1929	18	11/27/18	" Report status of cancellations and settlements by Air Service.
S	520	6	11/29/18	" Advise shipping instructions and markings equipment going home.
S	525	7	11/29/18	" Hardware and metal supplies already cancelled.
P	330	1	12/3/17	" Ship supplies back with corner marking.
CX	59	1-8	11/18/18	" Reasons for conflicting data and shipment of supplies and material to APC #2.
CX	63	1	11/23/18	" Are further reports on estimated tonnage & production wanted by cable.
X	337	3	12/6/18	" Ship no more material back to U. S. for 30 days in order to clear ports.

LETTER BINDER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
X	339	1F	12/7/18	SUPPLIES: No cancellations on large hardware items received. Needed to avoid large losses.
S	578	1A	12/8/18	" How should supplies & material be packed for shipment back to U. S. Send instructions.
P	1368	IV	6/24/18	" Recommend property accountability be dropped on delivery Embarkation AEF.
A	1625	3	6/28/18	" Req. in P 1368-IV approved.
S	516	3	11/27/18	" Req. process in P1368 be reversed on shipments of supplies to U. S.
X	350	1	12/12/18	" Request in P 516 approved.
A	2297	1	12/9/18	" All questions re settlements of contracts to be referred to Mr. Stettinius. 2 officers coming to help.
P	1957	12	12/4/18	SUPPLY Situation permits sending supply officers etc. to U.S. for organization work.
S	616	5	12/14/18	" Cancel hardware and metal supplies.
X	3431	12	12/10/18	" Method of marking for shipping to U.S.
X	351	1A	12/13/18	" Instructions and regulations re parking supplies being collected.
A	2325	6	12/16/18	" Name of officers wanted to return to U.S.
X	276	16	12/15/18	" Will A.E.F. want material? Tools? Machinery on fourth estimate? 5,400 tons.
S	559	1	12/5/18	" Where did 4th est. originate?
X	351	2	12/16/18	" Originated Air Service? Supply Section
S	645	1A	12/18/18	" If no material is shipped to U. S. for 30 days must ballast boats and our ports will get clogged up besides.
		3		" Results of conference regarding closing up of contracts with the French.
X	371	Con.	12/22/18	" Detail of contract settlements being considered. Will not accept 5% salvage on any account.
X	373	3	12/23/18	" Classes under which cargoes will be reported to U. S. each service.
S	678	7	12/23/18	" Will not require Reg. 4th estimate tools machinery etc?
S	718	1	12/30/18	" Will start shipping to U. S. Jan. 7 if not advised to the contrary.
X	383	3	12/28/18	" In view of clogging of ports in U. S. use steel rails for ballast of ships. Return of supplies unadvisable due congestion.
S	682	2C	12/24/18	" Air Service cancelled hardware in error. Cancellation not wanted.
A	2292	2	12/7/18	" Authority granted C. to sell supplies which are not needed by A. E. F.
S	791	2	1/10/19	" Troops turn in equip. before embark U. S. Send record for ship or must build shelter.
P	370	2	10/29/18	" Shortage of shipment of planes engines, etc. Why small floatations.
S	639	8	12/17/18	" Some squadrons, etc., neglected to make property report before leaving for U.S.
A	2132	1A	11/2/18	SURGEONS: Are 6 flight surgeons wanted?
P	553	1G	1/30/18	SUSSELD LORSH & CO: Were order to obtain barographs Paris representatives ask aid.
A	730	18	2/3/18	" 220 Richard barographs still due. How many can be had? Urgently wanted.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
SD	30 ✓	1	7/1/1817	SYNCHRONIZER: Will ship synchronizing mechanism sample for different engines in ten days.
P	41 ✓	2	7/14/1817	" One motor Mechanic at factory to learn mfg. Constantinesco best synchronizing system.
A	72 ✓	3	8/1/1817	" Get copies of Constantinesco synchronizer and manufacturing rights.
P	78 ✓	100	8/7/1817	" Recommend adoption Vickers gun with Constantinesco synchronizers
P	86 ✓	11	8/8/1817	" Blueprints and samples Constantinesco sent July 28.
P	115	7	8/20/1817	" Spad better than Constantinesco.
P	3	2-8	9/12/18	" Spad synchronizer sent U. S. in June.
A	105 ✓	6	8/13/1817	" Get synchronizers France if possible.
A	115 ✓		8/20/1817	" Buy synchronizers in France.
A	161 ✓	5	9/8/1817	" Send Nelson with data Spad and Constantinesco gears.
A	226 ✓	9	9/28/1817	" No drawings available synchronizing with Browning. Worked successfully with Gnome.
A	536	5	12/18/18	" Will send 1st Lieuts. R. W. Chandler, he has had experience mounting and synchronizing guns or planes.
A	721	1	12/1/18	" Drawings of synchronizing mechanism of Liberty coming with Lt. Hall.
P	589	5	2/11/18	" Amount given of each kind needed & amount received to date. Deficiency can be made up of Marlin.
P	180	7	9/24/17	" French will try to synchronize Browning if you send sample and factory man.
		8		" Spad rotary synchronizer device sent June.
A	354 ✓	11	11/3/17	" C. C. is first choice, Spad second.
SD	232 ✓	3	10/30/18	" What synchronizing gears used?
A	448	6	11/28/17	" Rumor discontinuing synchronizing guns. Verify.
A	1038	3A	5/2/18	" Received from J. G. White O.K. by brasier. No Duplication necessary.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT LETTER:	
A	1069	1E	4/9/18	Squadrons	Types of machines and dates of arrival of squadrons trained on machines names.
A	1077	2	4/10/18	"	Army regulations changes to include Air Depots, air parks & groups 2 or more squadrons.
A	1094	1A	4/14/18	"	How much wastage per month for motor transportation per squadron.
P	913	1L	4/14/18	"	Report of number now in England given
A	1106	2A	4/16/18	"	Variance of bombing squadrons program Correct program wanted.
P	933	4D	4/17/18	"	Send engineering officers for squadrons as casual detachment.
A	1117	1P	4/18/18	"	40 Armament officers now enroute.
P	968	2P	4/21/18	"	Others will be attached to squadrons Motor transportation tables not authentic. Estimate only for C. in C's approval.
P	973	1B	4/22/18	"	Authority & numbers wanted for organization of 2 repair squadrons from replacements.
A	1149	4	4/22/18	"	Motor transportation wastage of squadrons is estimated at 10% 4 Radio code operators per pursuit squadron. What qualifications required.
P	981	3	4/24/18	"	The 14 squadrons to be equipped in Europe are pursuit squadrons. Total squadrons in C in C and S.O.R. projects and 30 HP squadrons make up the whole air service program.
P	993	4	4/25/18	"	270 squadrons in Air Service program is total personnel authorized. Includes English training agreement but not H.P. agreement.
A	1018	6C	4/29/18	"	Information on actual strength enlisted personnel cannot be supplied until furnished by squadrons.
P	1031	6 ABC	5/1/18	"	Program of bombing squadrons
P	1032	4	5/2/18	"	What squadrons have taken mechanics training course?
A	1214	2B	5/2/18	"	6 Pilots wanted for duty for new testing squadron to be formed in U.S.
A	1215	3B	5/2/18	"	Is one compass officer per squadron desired?
P	1049	5P	5/5/18	"	Equipment manuals of service sqdns. will be sent. Tables of org. for service sqdns. revised will be sent with an officer familiar.
A	1224	Con.	5/3/18	"	Date on allocation of planes and engines. Program of classified squadrons to be kept on front.
P	1054	6D	5/6/18	"	Number of equipment sets ordered for squadrons wanted.
P	1059	2A	5/6/18	"	Sets of gauges for cartridges wanted. 1 per sqdn.

BINDER NUMBER	CABLE NO.	PAR. NO.	Date of Cable	SUBJECT MATTER
A	1250	3	5/6/18	Squadrons Authority granted to form 2 repair squadrons. Numbers to be 875 and 876
P	1067	1B	5/8/18	" " Lenses and cameras as wanted. No. per squadron.
A	1253	1	5/8/18	" " Tonnage shipped for April.
A	1260	1C	5/8/18	" " HP const. troops 2 mos. late, Hp personnel 4 mos. late. Should squadron personnel be sent without waiting for delay
A	1287	1E	5/11/18	" " Data on equipment for service squadrons.
P	1096	1D	5/11/18	" " 6 Pilots will return for prop. testing squadron.
P	1102	2F	5/13/18	" " Monthly report No. overseag.
A	1298	1E	5/12/18	" " Repetition of 1181-R p2.
P	1113	4B	5/15/18	" " Compass officer not desired.
A	1318	1B	5/15/18	" " Numbers of squadrons who have taken mechanics training course.
P	1120	1A	5/15/18	" " General staff reorganizing squadrons in regards to radio officers.
P	1131	1K	5/17/18	" " What squadrons have taken mechanics course?
P	1156	Con.	5/20/18	" " Program of squadrons at front.
P	1172	1	5/23/18	" " 18 Emergency guns per squadron. Use Springfield until Browning available.
P	1174	1F	5/23/18	" " Repair squadrons formed and numbered 1099. Confirmation of authority and number wanted.
A	1397	Con.	5/25/18	" " Parts of program of replacement planes and engines not understood in 1156-P
A	1399	1C	5/26/18	" " Replacements be sent to England and drawn from there to France to improve quality in France
P	1212	2	5/29/18	" " What numbers assigned to Balloon Squadrons
A	1423	1E	5/30/18	" " 6 Springfields or Brownings will be furnished each squadron.
P	1219	Con.	5/31/18	" " Data on planes and engines squadron replacement on front.
A	1454	4	6/4/18	" " Numbering of balloon squadrons in AEF 1 to 8.
P	1271	2	6/8/18	" " 1 Radio truck per squadron per 18 planes.
A	1497	7	6/11/18	" " No 1099 for new repair squadron is OK. Number of each type and squadron in AEF wanted.
P	1267	2	6/8/18	" " Shipments of personnel requested for June & July.
A	1316	1	5/14/18	" " May schedule cannot be changed. 6 balloon, 3 photo sections coming.
P	1293	5A	6/13/18	" " Monthly report No. on front & in training.
P	1291	8	6/12/18	" " Squadron equipments received no according to manual, not complete.
A	1530	15	6/15/18	" " Replacement program in 1156-P and 1219P cannot be met.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT: MATTER	
P	1326	4A	6/17/18	Squadrons	Number and kind of squadron with AEF
A	1555	11	6/18/18	"	Status of service equipment orders and shipments. Unit manual used in packing
A	1567	1	6/20/18	"	Should HQ squadrons be organized for APC #2?
A	1568	10	6/20/18	"	Latest tables day & night squadrons wanted.
P	1360	2C	6/24/18	"	Tables of organization will be sent 1st courier.
P	1365	1E	6/25/18	"	Send outline of training and 50 pilots monthly for Handley Page squadrons.
P	1371	3D	6/25/18	"	Send Hdqr. squadron for APC as per 1267-P 2 & 3.
P	1379	Con	6/27/18	"	Send 43 squadrons to England will draw from there. Send rest to France.
P	1387	1G	6/28/18	"	Requirements of each type of pyrotechnics per squadron per month.
A	1621	1	6/28/18	"	Send copy radio organization equipment and supplies per squadron.
A	1641	11	7/1/18	"	43 Squadrons will be sent England & 20 to France.
A	1642	6	7/1/18	"	H.P. Squadrons waiting advices from GHQ AEF
P	1413	10E	7/5/18	"	Reports of planes & squadrons overseas June 30th.
A	1672	10	7/6/18	"	1120 men to England, completing 15000 agreement.
P	1443	4	7/10/18	"	Page & Goodnough will be sent to study equipment.
P	1447	20	7/11/18	"	Ship 250 squadron equipments to maintain front.
A	1701	5	7/11/18	"	List of squadrons to sail with next convoy.
A	1712	6	7/15/18	"	1 hangar squadron ready.
A	1679		7/8/18	"	Sailings of 227th, 255th, 376th, 173rd, 124th, 226th, 257th, 360th, and 218th service squadrons.
A	1716	Con	7/14/18	"	23rd and 205th service squadrons sailed Belgic.
P	1471	2D	7/16/18	"	Mark Aviation supplies for A.S. and not for Sqdns.
A	1733	3	7/18/18	"	Squadron equipments ordered.
		10		"	How many pilots attached to each English, French, and Italian squadron and total number.
P	1497	3A	7/22/18	"	Instructions about speeding HP squadrons
		3B		"	What training have HP squadrons had.
A	1769	7	7/24/18	"	What is composition of Caproni squadron?
P	1517	6A	7/27/18	"	Send Hangar const. squadron at once.
A	1778	Con.	7/25/18	"	Squadrons assigned to convoys.
A	1781	5	7/26/18	"	HP squadrons have had no training on HP machines.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER			
A	1789	18	7/29/18	Squadrons	1 HP ready 8/1, others as per priority.		
P	1532	1B	7/29/18	"	Request designation balloon company organized here from replacements.		
A	1794	2	7/30/18	"	1 Acceptance part will sail Aug. 1 and 1 later in August.		
		6		"	496th Cons. squadron (Hangar) ready to sail.		
P	1546	3A	8/1/18	"	No organization decided yet for Caproni Squadrons. Data on Italian squadrons will be sent when obtained.		
P	1803	Con.	8/1/18	"	8 Squadrons assigned to early convoys		
P	1533	1	7/29/18	"	Troops should come without unit equipment. Same to be sent separately and issued in France.		
P	1551	3B	8/2/18	"	Send first 30 squadrons August priority to England.		
P	1569	1F	8/7/18	"	Air Service priority schedule for Aug. and Sept.		
P	1571	3D	8/7/18	"	Bimonthly report planes and squadrons July 31st.		
P	1574	1AB	8/9/18	"	New Organization each type of squadron.		
A	1578	3A	8/9/18	"	Hangar Squadron reported as #496 probably error.		
A	1849	19	8/13/18	"	Hangar Squadron number 498, not 496.		
A	1842	4	8/13/18	"	What is Org. of Supply squadrons.		
P	1606	1H	8/17/18	"	Organization for Multi-Engined Squadrons, Organ. for Supply Sqdns. & Balloons will be sent.		
		4		"	First DH4 squadron crossed the German lines on a reconnaissance mission. All machines returned.		
A	1837	1	8/12/18	"	Are organization tables sent by Whitehead approved?		
P	1610	5	8/18/18	"	Org. tables are approved except as noted, copies being sent by courier.		
A	1855	6	8/17/18	"	All organization work, with certain exceptions, held up pending arrival or approved tables.		
S	33	3C	8/21/18	"	Send 7 construction squadrons available.		
A	1870	Con.	8/23/18	"	Call for 41,000 men in P 1569 cannot be met. Send reasons for need this personnel.		
P	1623	Con.	8/24/18	"	New program to July, 1919		
	24	10	8/24/18	"	Explain what is meant by machine fitters, sheet metal workers, magneto men, etc.		
A	1887	Con	8/28/18	"	Designation of squadrons assigned to sail.		
P	1643	Con.	8/30/18	"	List of priority cancellations. Send replacements. Extend training, personnel needed urgently.		
A	1899-	10	8/31/18	"	Draw 10 from England per month and replacements will be organized and sent from US		

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER	
X	41	3	8/31/18	SQUADRONS	Cannot supply 7 Const, sqdns a/c shortage.
S	82	1	9/4/18	" "	Arrangements made for drawing on England about 5000 men per month.
S	105	6B	9/8/18	" "	Monthly report planes & sqdns.
S	109	3	9/9/18	" "	Buffalo forges now unobtainable here Ship same with equipment.
P	1655	Con.	9/3/18	" "	Personnel priority for October.
CP	172			" "	Summary of personnel wanted in October
P	1667	2	9/7/18	" "	Do you expect to send HP flyers with squadrons.
P	1674	5	9/9/18	" "	Organizations of Balloon Wings, Group & Sqds.
P	1678	Con.	9/12/18	" "	Program of troops for November.
P	1701	7	9/18/18	" "	Priority of personnel for December
A	1969	8	9/21/18	" "	Error in totals of squadrons P 1623-8
CP	189	Con	9/21/18	" "	Summary personnel & item numbers for Nov. shipment.
S	207	3	10/1/18	" "	Lt. Robb familiar with electrician & trades of a squadron.
CP	198	Con	9/28/18	" "	Item numbers & summary of personnel for Dec. program.
CX	11	6	9/10/18	" "	Estimate tonnage, A.S. available Oct.
A	2018	4	10/4/18	" "	Shortage of men to Supply squadrons P-1643-8 and S-33-3C.
P	1738	3K	10/4/18	" "	Correct numbers of day bombing squadrons in P-1623-7-8
P	1752	1	10/5/18	" "	1 Night Bombing sqdn. to go in action Nov.
P	1760	1A	10/6/18	" "	Do not assign commanders to Hp squadrons./Send flyers per table #25
P	1766	2	10/8/18	" "	Cancel sqdns. if necessary to send Ord. pers.
X	152	3	10/10/18	" "	How many fords equipped to carry Gas Oil & water on the field wanted? per squadron.
CS	227	1	10/12/18	" "	150 squadron Engineer officers wanted.
P	1784		10/12/18	" "	Training squadrons are 250 not 161 men.
A	2051	9	10/14/18	" "	Should 8 observations sqdns in P-1569 1F be A-286 or A-302?
S	284	10	10/14/18	" "	6 Squadrons sent France in England, Why?
S	285	5	10/14/18	" "	What action taken on unit radio equipment for squadron?
X	184	1E	10/14/18	" "	Report for Sept. of planes and sqdns on front.
X	192	3	10/19/18	" "	Are H.P. squadron equipments being procured overseas, what action desired in U.S. NO schedule.
X	192	6	10/21/18	" "	Have Col. Wood bring back program prepared by Col. Toulmin on personnel and equipment.
P	1813	1C	10/19/18	" "	All items on P 1655 are additional except 1100 pilots.
		1D		" "	6 squadrons reorganized as Air Parks Approval requested, and Authority to organize squadrons with members of replacements.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER	
S	337	5	10/24/18	Squadrons	6 landed in England and remained there. 226 in England and in Ireland.
A	2100	Con.	10/24/18	" "	Personnel assigned to early convoy.
CX	35	4	10/9/18	" "	Report on sqdns. at front to be classified by type of airplanes used.
A	2093	11	10/23/18	" "	Letter qualifications of Eng. Officers not understood. 976 includes Eng.s for sqdns.
A	2103	14	10/25/18	" "	Not understood what types squadrons wanted Nov. & Dec. priority. Elucidate.
S	369	4B	10/29/18	" "	Requirements squadron material sent by Major Brett, not Col Woods.
A	2122	Con.	10/30/18	" "	Personnel assigned to early convoys.
A	2184	1	11/1/18	" "	Cannot keep up with priority schedule of troops. Sending personnel left over from one month in the next.
P	1857	1	11/1/18	" "	Enlisted strength HP, Service and training squadron. Send in charge of attached officer Will be officered here.
S	409	5A	11/5/18	" "	Send 2 hot oil and water Ford trucks per squadron, 180 gallon.
A	2147	10	11/5/18	" "	5000 untrained men per month coming, also pursuit wings 1st Brigade in November.
S	477	3	11/20/18	" "	Squadron on front by type planes Oct. 31st.
A	2219	1	11/19/18	" "	Approval of scheme in P 1905
P	1905	Con	11/18/18	" "	Army cut to 30 divs. scheme for returning troops to U.S. Will be ready in 4 to 6 weeks.
S	520	6	11/29/18	" "	Advise shipping instructions and markings of equipment going home.
S	614	2	12/13/18	" "	Secure histories from squadrons who have not submitted same before leaving A.E.F.
S	624	4 A-0	12/5/18	" "	Brief summary air service to Armistice
S	639	8	12/17/18	" "	Some squadrons & photo sections neglected to make property return, Get return in U.S.
X	365	2	12/19/18	" "	Collect \$200 each from 153 and 222 Aero squadron for erroneous ration settlement in England.
X	373	10	12/23/18	" "	Property accounts being procured in U.S. from outfits who did not render same in A.E.F.
S	717	6	12/30/18	" "	153rd & 222nd Sqdns. have set aside \$200
P	78	108-3	8/7/17	<u>STANDARDS</u>	Recommend adopting English A.G.S. Standards.
P	382	2	12/11/17	"	Request Standards from Tech. Dept.
A	1005	1B	3/31/18	<u>STAFF</u>	Total authorization of officers for air service.
P	1189		5/25/18	"	Personnel as wanted by AEF for staff for each service.
P	1240	5 ABC	6/3/18	" "	Personnel as wanted for new Transportation and gas service.
A	761	1	2/11/18	"	Staff officers can only be relieved if for best interests of service.
A	1174	10	4/25/18	"	Hand starters preferred for Liberty Engines Biju elec. starter not yet approved altho some ordered by Navy. Lewis Spring Axel & Co. constg. hand starter.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF DABLE	SUBJECT MATTER
A	540	7	12/21/17	Stationary Supply: To be drawn from Q.M.
P	520	3E	1/20/18	" Cancelled
A	701	4	1/27/18	" Automatic supply is cancelled
A	48	I	7/23/17	STEEL " Can furnish 600 tons special steel. Must have specifications.
P	37	2	7/11/17	" French need 600 tons special steel monthly for production Hispano Suiza engines.
P	163	1-6	9/16/17	" " Send two bars Tungston Steel.
P	179	5	9/24/17	" " Mark and check list "F" carefully, for French. Important.
A	315	3	10/25/17	" " Ocumpaugh has list steel parts for J.G. White. Is he authorized?
A	350	2	10/30/17	" " Send requirements Bregust construction steel.
SD	224	6	10/24/17	" " Ocumpaugh steel expert has additional information J.G.White.
SD	269	3	11/19/17	" " Use Ocumpaugh list ball bearing
SD	289	6	12/1/17	" " Sauveur's recommendations. Specifi. steel.
SD	293	3	12/3/17	" " Can U.S. supply 5000 tons Austin steel shape for Italy shops.
P	382	2	12/15/17	" " Sample wanted shipped
P	410	8 I	12/23/17	" " Two bars for Rateau turbine not received. When were they shipped?
P	494	8 D	1/15/18	" " Waldon has no record Rateau Turbine steel.
A	517	I	12/16/17	" " Trusses 540x100x10x18 4 ft. sash steel sash.
A	540	6	12/21/17	" " Can furnish 540x100. Does AEF. want them?
P	527	I	1/23/18	" " 750 tons billets required.
P	568	2B	2/3/18	" " Sizes and amounts of steel bars wanted for turbine.
A	683	I	1/25/18	" " If data on Rateau turbine steel is sent will duplicate order.
P	574	4A	2/6/18	" " Rateau turbine steel bars found. Cancel order
P	575	2E	2/6/18	" " British cannot furnish axels. Data on specifications and tests of steel. 12 being shipped.
A	748	I	2/8/18	" " Data on steel sheets and tubing available.
A	771	5	2/13/18	" " Tubing satisfactory except treating facilities Plants being installed.
P	600	4A	2/14/18	" " French wish to avoid change of specifications for tubing and sheet. Will answer them if U?S. will wire substitutes.
P	620	1D	2/19/18	" " French request 160 tons steel in place of 50 winches furnished.
P	624	1E	2/19/18	" " Agreement with French to exchange winches for steel was made October 1st.
P	631	I I	2/19/18	" " 132 tons steel wanted for propeller hubs Data on its quality.
P	633	2C	2/21/18	" " Ship spans for buildings to production center 2.
P	633	2C	2/22/18	" " Sheetting and tubing for Spad and and Bregust in 748-R p.1 not acceptable. Send best obtainable.
A	833	6	3/1/18	" " Sheets 50% below requirements.
		8		" " Low standards a/c no heating facilities. Can French heat treat sheets?
		9		" " Should sheets be shipped as is?
		17		" " Bars 50% at port of embarkation.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	TO STATE	PAR.	DATE OF	BINDER LETTER
P	741	17	3/17/18	STEEL				
								Sheets and tubing 50% below phy. req. should be rejected. Material should approach reqs.
P	794	1E	3/25/18	"				Confusen in terms of steel ordered in 624 SI
A	993	IF	3/29/18	"				J.G. White will ship tubing and sheets as French Mission states can be reannealed France.
A	1016	ID	4/1/18	"				132 tons hub steel ordered from United Alloy Steel Corp. 35 tons bolt steel from Union Drawn Steel Co. Names and location of consignees wanted.
P	858	7	4/6/18	"				Rep. of 624-S, reqmts. for propeller hub steel.
A	1080	IF	4/12/18	"				35 tons ordered in 1016 ID ready for delivery Name of consignee and markings wanted.
P	968	2C	4/22/18	"				Hub steel should be marked and shipped Brazier as per J.G. White contract 1694.
P	1204	3A	4/30/18	"				Steel shipments for Brazier will be completed May 5th.
P	1287	1	5/11/18	"				132 tons ready, 35 tons steel bar freighted.
S	186	I	9/26/18	"				Lift embargo on some steel for hangars & building material.
S	211	6B	10/2/18	"				What was steel price?
X	138	1	10/5/18	"				Price per hundred steel for balloon sect.
CS	200	9D	10/4/18	"				Send 30 tons steel for hydrogen plant.
S	273	9D	10/12/18	"				No information needed now on order 63,710
X	204	4	10/25/18	"				30 tons steel shipped for hydrogen plant.
X	197	1	10/23/18	"				50 sets steel rolling doors available. Are they wanted?
X	200	11	10/24/18	"				Material for assembly shops floated.
S	374	6A	10/30/18	"				Steel tubes are needed by French, Conference between Ryan and Loucheur.
S	417	9A	11/6/18	"				Steel doors not desired.
X	255	II	11/7/18	"				Reasons for shortage shipments is that Air Service tonnage was turned over to MTC
X	257	I	11/8/18	"				Steel tubes and material for French and List 2 being expected.
A	1494	7B	6/11/18	STEELITE:				Study of steelite being made.
P	494	8	1/15/18	STENCILS				Directs to send to C.A.S.
A	628	2	1/13/18	"				Being sent to Col. Eskridge.
A	II	I	6/29/17	STENOGRAPHERS:				Are stenos available London for Liaison Officer Military Mission there?
P	179	2	9/24/17	"				Have business men bring stenogs. & clerks.
A	1509	I	6/12/18	"				Can J.R. Christie lend 2 stenogs. for Special mission coming France?
P	1358	8A	6/23/18	"				Christie will lend 1 stenog. and his private secretary if necessary.
A	817	14	2/22/18	STORAGE BATTERIES:				Recommendations on storage batteries wanted. Edison type ordered.
P	1365	ID	6/24/18	STRAIGHT EDGES:				Group 10 straight edges wanted.
A	1633	1A	6/29/18	"				Will go forward promptly.
A	478	12	12/4/18	STRAP IRON:				Revised standard instructions for marking and shipping.
P	37	7	7/11/17	STURTEVANT:				No need for Thomas Sturtevant 8 cylinder.

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLE	SUBJECT MATTER
A	1009	2B	3/31/18	SUCHET PLUGS: Dimensions on Suchet spark plugs wanted.
P	903	2C	4/13/18	" Thread 16 per inch and supply nipple.
P	1590	5C	8/12/18	" Not desired unless made safe.
X	10	14X	8/17/18	" Production Suchet plugs stopped.
A	10	7	7/11/17	SUNBEAMS: Awaiting further advice regarding production Rep. will be at test at Overland plant.
A	47	2	7/23/17	" Willys ready to put Sunbeam in production.
P	32	I	7/1/17	" British state Willys mfg. parts for Sunbeam which is an improved Hispano Suiza. Investigate with a view to production.
A	65	I	7/29/17	" Willys want to start Hispano Sunbeam production.
A	327	3	10/27/17	" Rumors of 400 hp. engine wonderful performance. Verify.
SD	247	I	11/6/17	" Still in experimental stage.
P	404	7A	12/13/17	" Sunbeam not considered.
A	618	I	1/11/18	" Sunbeam should be disregarded.
A	461	4	12/1/17	SUPERINTENDENTS: 36 Con. 1st Lts. to report to C.A.S.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
				SPAD
A	6		6/17	Re first agreement on manufacture in U. S. Send representative to U. S. with sample.
A	40	5	7/20	Do you want production Spad with Hispano 150 or 200 HP? When will Spad be obsolete.
A	47	2	7/23	Can commence manufacture of Spads for assembly in France. Will give report by end of week.
A	48	1	7/23	Understand can now proceed with manufacture
E	48	1	7/6	Sending sample to U. S.
P	37	5	7/11	Recommend you plan immediately production Spad Planes with Hispano engines.
P	41	3	7/14	Spad 200 HP with two machine guns is only type recommended. Will send French Engineer when you are ready to manufacture.
P	46	7	7/16	Certain about Spad. Build latest type Spad for Service. Will use either Spad or NIEUPORT with 160 Gnome.
P	47	2	7/17	French offer 2000 Spad of Mieuports with 160 Gnome engines. We to replace raw material.
A	97	1-5	8/11	Production Air programme
P	70	1	7/30	Recommend produce Spad with Hispano best fighter
P	78	101	8/7	3500 Spad with Hispano ordered from French
		108		Arranging to ship Spad and Hispano and Gnome
P	93	5	8/12	Recommendations revised Joint Board Program.
P	96	1	8/12	U. S. Program figured in A 97-1 to small. Figures which should be attained.
P	115	1	8/20	French Shipping 3 Spads.
		7		Spad synchronizer better than Constantinesco.
P	141	2	9/5	Can assemble parts from U. S. about 20 per day after Jan 1st
P	3	2-8	9/12	Spad Synchronizer sent U.S. in June.
A	114	2	8/18	Samples needed at once. No negotiations royalties.
A	161	4	9/8	Latest sample and tests wanted.
		6		Send Nelson with latest data Spad synchro.
A	165	2-2	9/11	What arrangements to pay Spad Engineers.
A	198	10	9/21	When will Spad and Sopwith come?
A	209	1	9/23	Status of Programme and production.
A	223	2-3	9/29	Rush drawing 18 Spad.
P	163	1-5	9/16	Spad Gnome test complete 15 days.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
				SPAD
P	179	9	9/24	Spad has sent information and en- gineers requests payment \$100,000 Spad rotary Synch. devise sent June
P	180	8	9/24	
P	180	10	9/24	Building monocoque fuselage
P	184	6	9/26	Gnome engine will not cool. New cowl designed.
P	187	1	9/27	Neither Nieuport or Spad with Gnome accepted yet.
P	204	2	10/5	Status and recommendations for productions.
		4		Rushing collection drawing and shipment sample plane
E	207		10/15	Morane better than Spad or Nieuport for Gnome engine.
A	317	6	10/25	\$100,000 for Spad payment; inform Chapman
A-	354	11	11/3	CC Synchronizer first choice Spad second
E	258	2	11/13	Send 10 Marlin for test on Spad.
E	269	4	11/19	Lumber not for Spad but for Breguet
A	380	4	11/10	Order for spads built France does not include propeller wood. For whom is wood?
A	387	0008	11/13	Must make decision in rotary engine Program calls for Spad & Gnome and LeRhone
A	461	1	12/1	Curtiss finished drawings & ordered Spad material for Hispano. Order cancelled. Can give these to French.
P	375	2	12/10/17	Should be manufactured in Europe
P	389	2C	12/14/17	Nails and screws cancelled.
P	403	5	12/21/17	Lumber contract figurés wanted.
P	492	3B	1/15/18	Revision of list for K.G.White
P	524	1	1/23/18	Estimated production 6 months.
SB	465	1B		Cubic space wanted.
A	585	2	1/1/18	Spruce and poplar production for
A	602	3	1/6/18	Steel sheets and tubing
A	655	3	1/20/18	Information wanted of salary of Etienne Dormey, Engineer
A	683	5	1/25/18	Mechanical synchronizers for Spad shipped
A	693	8	1/27/18	Too late to cancel order for screws and nails
P	540	6B	1/26/18	Has rendered bill services of Etienne Dormey but assume U. S. will pay.
A	701	15	1/27/18	List wanted showing which squadrons will use
A	721	4	2/7/18	Drawings of Spad equipped with Hispano Suiza engine not received. Investigate.
A	762	3	2/11/18	Etienne Dormey's salary will be paid in U.S.
A	748	1	2/11/18	Data on steel sheets and tubing available.
P	589	6D	2/11/18	Additional drawings of Spad with Hispano engine will be sent

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
				SPAD
P	589	6F	2/11/18	Recommend building 1000 Spads with Hispano engine. French delivery uncertain.
P	633	2C	2/22/	Steel sheeting and tubing in 748-R p.l. are not acceptable. Send best obtainable.
P	655	2	2/28	14 Squadrons will use Spads.
A	833	4	3/1	Production of Hispano Swiza engines in Spad will cause delay. Does A.E.E. wish them.
		15		
P	700	5	3/10	Situation on spruce, poplar and walnut. All salmson and Breguet gas tanks on Spad have bullet proof tank. Data on specifications.
A	929	2F	3/15	Not included in plant program
P	749	5D	4/1	Are Vickers guns in 912-S lequipped with trigger for Spad, gear and water cooling jacket?
A	1016	1M	4/1	Some plywood, glued, for Spad sent. Remainder will be waterproofed, Is
P	837	2B	4/3	Original amount still wanted.
P	869	6B	4/8	Arrangements made to ship Spad for Hispano Swiza engine immediately.
A	1080	1G	4/12	Statement foreign deliveries to March 28th
A	1094	1I	4/14	Full information and drawings wanted of Spads to be sent with Hispanos
P	913	1F	4/14	Should spads or SE be produced for Hispano.
A	1115	6	4/17	Spad or Se are best single seater fighters used in front. Use Hispano engines.
P	983	3C	4/24	No changes being made in Vickers guns 500 Spad trigger motors freighted to change in France.
A	1165	1	4/25	Design by Bechoreau for Hispano is called SAB Now under production at Spad factory.
P	1204	2D	5/28	Hispano 300 hp to be supplied to Bechoreau's Spad when drawings are received.
P	1222	2B	5/31	Bechoreau Spad design unfinished
A	1585	5C	6/21	Foreign deliveries to May 1st
P	1424	10A	7/7	Are trigger attachments Spad required with containers?
P	1435	4C	7/9	Ship Spad triggers for Marlin.
A	1696	1	7/11	\$36.84 due E. Dorney on travel expenses to U.S.
P	1534	3	7/29	Do we want 1000 Spad trigger motors?
A	1812	13	8/5	Ship 1000 Spad trigger motors. 7500 being made, at least half to be shipped August. Sample being sent by messonger.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
S	152	5	9/19	SPAD Change in delivery Hispano to help out production S E 5s & Spad now choking shops.
X	179	9A	10/17	Cable boat carrying Spad, Slanson, Breguet.
S	441	5A	11/11	Cannot give name and date of boat. French asked.
CS	334	1	11/21	Supply prospects October 31st/
X	340	3B	12/7	Any spad of SE5 which can use 180 Hispano can be used in U.S. up to 300.
S	637	7	12/17	Some SE5 and Spads will be sent for installation of Hispano engines.
S	677	4	12/23	Number on hand AEF. Are any wanted in U.S.?
S	743	1A-G	1/3	No. for which U.S. will be held accountable.
		1H		May be obliged to take 300 Spads with Hispano. Difficulty to procure spare parts for engines.
X	405	3	1/7	Plans to be shipped U.S.
				SPAIN
A	498	15	12/10/17	Will furnish raw materials.
P	13	1	8/15	Report on Spanish peseta transactions and program for future transactions.
P	1592	10	8/14	Could arrange for 300 Hispano 300 from Spain if raw material can be furnished from U.S.
				SPARE PLUGS
P	115	6	8/20	Samples Ponsot plug sent.
E	211	2	10/18	Have Waldon gring spark plugs for Liberty
E	286	1	11/28	Main trouble with Hispano is Spark plugs. Send 500 Champion plugs.
A	432	6	11/23	What engines have ignition troubles. Try A.C. plugs.
P	386	4B		S.G.Avenill should be consulted.
P	424	5E		No laboratory tests made. Service test shown preference Joly Ponsot Vallier & Oleo Main trouble fusing of electrodes.
A	491	5	12/10/17	Electrical laboratories on.
A	552	3	12/3/17	1000 Champions and other information coming by messenger.
A	570	3	12/29/17	Hoyt coming with plugs and connections for Liberty engines.
A	646	1	1/18/18	Hoyt bring data
P	755	9B	3/21	1000 Duffy plugs wanted for testing.
A	993	1E	3/29	Duffy plugs from Express Sparl Plug Co. tested and found defective. Further tests before ship.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE.	SUBJECT MATTER:
				SPARK PLUGS
A	1009	2B	3/31	Dimensions on Suchet Incendiary
P	1174	1E	5/23	Plugs wanted.
A	1423	1	5/30	DH recd. without extra spark plugs.
A	1533	11	6/15	Order 1000.
X	6	9	8/16	100 Ponsot spark plugs being sent for Liberty
S	35	6D 6F	8/22	Duffy not as good as Ponsot or Champion.
X	36	4	8/30	100 DH4 KD and 100 each spare parts to be floated Sept. 5. Data on list of spares.
X	38	2	8/30	Ship 8500 Splitdorf Gnome type plugs Porcelain breaks on Liberty plugs.
CS	155	1	9/23	Ship Titan if successful
SP	369	4C	10/29	1000 Splitford spark plugs delivered port.
CX	41	5	10/24	Titan plugs satisfactory. Will be shipped complete within three weeks
				Liberty spark plugs wrenches to large
				Best plug with Hispano is Oleo.
				Best plug with Liberty is Ponsot.
				Liberty spark plug wrenches test OK
				send sample of wrench which is too wide.
				SPEED INDICATORS.
A	777	6	2/14/18	Order one from Toussaint Lepere, Paris.
				SPLITDORF
A	646	4	1/18/18	Order cancelled for distributors.
S	35	6D	8/22	Ship 8500 Splitdorf Gnome type spark plugs.
S	36	4	8/30	1000 spark plugs delivered port of embarkation.
				SPRINGFIELD RIFLE
A	984	1L	3/28	Can only be made 10 rounds
P	915	8	4/14	Should be used as emergency until
A	1253	1A	5/8	Browning is available.
P	1172	1	5/23	What provision should be made for
A	1423	1E	5/30	emergency guns besides 825 Springfield in 1187-R 1D
S	301	1B	9/30	18 emergency guns per squadron. Use
				Springfield until Browning available
				6 Springfields or Brownings will be
				furnished per squadron.
				Ship 200 Stripped Springfields.
				SPRUCE
A	10	4	7/11/17	Send English, French and Italian requirements for spruce for aircraft

BINDER LETTER	CABLE NO.	PAG. NO.	DATE OF CABLE	SUBJECT MATTER:
E	18	1	6/28	SPRUCE Request what provisions made for supply of spruce to Allies. Large quantity will be needed.
E	42	1	7/1	British state they need 148,000,000 ft. spruce.
P	139	20	9/5	British concerned over spruce program. Their program largest.
E	169	10/19/17	9/19	Results of conference allotation spruce England 50%, Franch 30%, Italy 20%.
E	170	10/19/17	9/19	Reference embargo Spruce, allies agree if U.S. will furnish. Use draft to produce.
A	127	16	8/25	Spruce mills taken over. Send allied requirements.
A	131	2	8/25	What is probable plane production in France so as to estimate spruce Req.
E	273	5	11/20	Percentage allotted to England, France and Italy.
A	407	1	11/17	Production spruce monthly 4,000,000 ft. Requirements 10,000,000. Who needs it most?
A	438	4	11/26	Will help British procure spruce from Douy.
P	382	2	12/15/17	Info wanted on time required to cure Spruce and fir requirements. Available quantities wanted.
P	424	5	12/19/17	Shall allotation be made by Gen. Pershing or Inter-Allied Council.
A	552	1	12/23/17	Contracts held up.
A	570	9	12/29/17	Requirements in excess of production of spruce cable adjustment of allocation and douglas fir.
A	552	2	12/29/17	Process of drying takes 20 days.
A	570	10	12/23/17	Production for 6 lbs. sent by messenger, French, English and Italy requirements.
A	570	13	12/29/17	Contract with Eng. war Mission when allocation is made.
A	570	14	12/29/17	Dry kiln plant on W coast.
P	599	5A	2/13/18	How much necessary to purchase for manufacture DH,HP, Caproni and Bristol? Also include information on propeller wood.
A	585	2	1/1/18	Production for Spad.
A	640	1	1/17/18	Private firms not allowed to sell.
P	610	1	2/16	Report on present supply in France and needs.
A	308	2	2/19	Amount used in construction of DH, Bristol and Caproni airplanes.
A	330	2	2/27	250,000 feet shipped to France, 1,000,000 feet available at Galveston.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
				SPRUCE
A	833	13	3/1	Situation on Breguet spruce.
		14		Situation on Spad spruce.
P	669	5D	3/3	Is statement that 2000 ft. req. for 1 Bristol cor?
A	871	2	3/7	French have arranged for spruce at Galveston
A	989	2	3/21	Would advise Italy to use same grade of spruce as England and France.
P	864	4C	3/7	Italy will use same grade as France and England.
A	1271	22	5/11	Allocation settled with Tardieu & English.
P	1339	4B	6/19	Data on available supply wanted for I.A.Council.
A	1622	6	6/28	Estimate of production.
X	15	11	8/20	Rejected material due to list "C" spruce none but best shipped now.
A	2006	3	10/2	Have Ryan secure small investment each Ally in \$25,000,000 spruce debenture.
A	2103	13	10/25	Gen. Disque spruce chief in U.S. wants Capt. Eustis for duty in Spruce Section.
S	369	4	10/29	Can large timbers spruce be sent France?
X	239	15	11/4	Enlarging spruce timbers to France. Flotation figures show 500,000 ft. more than requested.
S	415	4B	11/6	Italy not inclined to accept. part of spruce debentures. To what extent does spruce supply depend on debentures?
S	439	8	11/11	Capt. Eustis available for U.S.
S	441	5C	11/11	Decision French, English and Italy on spruce held up on account of conditions.
S	464	10	11/16	What is status of Major Leadbetter?
		10A		What is policy spruce debentures in view of armistice?
S	473	4	11/19	Leadbetter says French want a statement of allocation to determine portion of debenture.
X	302	3	11/22	Spruce production stopped. Division demobilized.
X	308	13	11/24	Lead better sent to standardize use of spruce.
		13A		Allies to take share debentures. proportion to spruce used by each.
		13B		Corporation to return earnings. Leadbetter not to negotiate or discuss debentures. Matter to be fixed in U.S.
Stet.	83	2	12/10	Status French indebtedness for spruce

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
				SPURS:
P	1127	6	4/19	Must not be worn by aviators with boots.
				SQUADRONS
A	66	1	7/29	3 & 5 ton trucks for squadrons.
A	146	2	9/2	Organize 2000 mechanics into 12 squadrons for England.
A	172	4	9/14	8 Squadrons organizing for Lyster.
A	194	7	9/20	67 squadrons ready few more to equip Get priority from Pershing.
A	213	1-4	9/27	Squadrons and Balloon Cos. leave equipped
P	180	10	9/24	Are sqdns & Ball. Cos. coming equipped
P	187	5	9/27	Arriving without cots, badly needed.
P	188	6	9/28	Hold up action on cots.
P	202	12ABC	10/5	Priority given sqdns & Balloon companies.
P	232	5	10/20	When did 10 squadrons leave U.S.
A	249	3c	10/5	All squadrons coming fully equipped
A	286	4	10/15	Should squadrons be supplied electricians gloves, clothing?
A	336	2	10/29	How many machine shop trucks per squadron.
P	276	16ABC	11/5	Program for shipment of personnel
P	284	5A	11/13	Organize personnel in temporary squadrons. Will organize here permanent after training.
P	300	3	11/23	Send headquarters complete for squadrons to be trained in England.
P	327	2	11/29	Urge need construction squadrons. Send before Park Squadrons.
E	252	4	11/8	Two shop truck units per squadrons.
E	279		11/23	Send data re training equipment and squadrons to be sent in England.
A	403	9	11/17	Those to be sent to England. Are HQ. organizations wanted?
A	411	3	11/20	Will send 50 squadrons and 8 balloon Cos.
A	421	1	11/23	Project does not include observers for squadrons as per org. tables. How many radio men per squadron.
A	431	5	11/23	Number of planes squadrons will need. Should program be increased?
A	436		11/25	Priority schedule will be sent starting January, Nov. & Dec. shipments.
A	444		11/28	Air Service program differs from project Aug 9. Should have officer pilots and balloon squadrons.
A	455	8	11/30	Status arrangements made for 10 squadrons to train in England.
P	345	1	12/6	Agreement to train 15000 mechanics in England.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
				SQUADRONS
P	459	5	1/16/18	No reorganization construction squadrons
P	459	5B	1/16/18	No extra sets tools construction squadrons.
P	345	1	12/6/17	British will train mechanics, and repair
P	354	4	12/8/17	Supplies do not accompany, but are sent to supply depots.
P	382	8	12/11/17	Armament Officers should be supplied by Ordnance.
P	410	8A	12/23/17	All Units must be complete with clothing and service records.
P	471	4B	1/9/18	Sailing dates wanted.
A	461	4	12/1/17	36 Con. 1st/ Lts. to report to Chief of Air Service.
A	495	10	12/10/17	22 Priority Aviation troops.
A	509	1	12/13/17	Sailing of Squadrons to England and France. Organization Bricklayer's carpenters and laborers.
P	472	8C	1/10/18	Construction squadrons arriving with out equipment.
P	518	1M	1/21/18	Will be directed to England.
A	523	12	12/17/17	8 in last 3 weeks. 15 more and priority list. 12 bricklayers Cos. being organized.
P	480	3A	1/12/18	Data on 12 Handley Page
P	483	1A	1/13/18	Req. authority to organize
A	608	13		17th sailed Jan 5th.
A	655	7		New system of numbering.
P	528	2F	1/24/18	Supply sqdn number wrong. Correct infor. wanted
P	552	6B	1/29/18	Members andtypes of units wanted
A	680	1	1/24/18	Censor instructed to stop publications of sailing of Air Sqdns.
A	693	6	1/27/18	Corrects error in numbering
A	701	15	1/27/18	List showing which squadrons will use Spads, DH, Bristols, HP, is desired.
A	618	13	1/11/18	Sqdns 58 to 74 directed to England.
A	701	16	1/27/18	3rd Sqdn bringing kitchen trailers More ordered shipped
A	580	3	12/31/18	New arrivals will have supply of blank forms, service records, etc.
A	580	5	12/31/17	Has Culvers recommendations on radio been adopted? 1 sergt. and 1 officer for each unit.
A	575	7	12/30/17	Are they to be reorganized after arrival in France?
A	581		12/31/17	Has A.E.F. 15 extra sets of tools to issue new arrivals.
P	563	7A	2/2/18	New numbers requested.
P	567	7E	2/3/18	His cable should read "training" depot not frame depot.
A	646	6	1/18/18	Authority granted to for constructions squadron. Number will be 506.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
				SQUADRONS
A	672	1/93	1/23/18	8 Squadrons, 380 officers enroute Cleans up programs. Info wanted quick if any more are need. 2 Engi- neers will sail in a week.
A	530	5	12/20/17	Info wanted on wastage of trucks.
A	530	12AB		Organization of photo sections Info. wanted on organization of construction sqdns. 10,000 men brick- layers.
A	703	1	1/28/17	Number and kind shipped for Jan.Feb. March and April.
A	608	13	1/8/18	Sailed Jan 5th (17th)
A	716	6	1/30/17	Does Foulois mean training depot instead of frame depot?
A	730	5	2/3/17	All cables on organization will be sent to Air Service, France. Brick- layers and carpenters will continue on schedule. 1st. Detach. sales March 15th. Others as soon as equipped
P	570	10	2/4/18	Equipment for balloon squadron not received. Trace & expedite
		10A		Next two balloon squadrons should have only 2 officers each. Extra officer supplied in France.
A	750	1	2/9/18	Correct numbers for squadrons.
A	745	2	2/7/18	Confliction of requirements per squadrons. Do machine shop trucks repair airplane engines?
A	764	9	2/11/18	50 sets equipment being assembled in N.Y.
P	597	2	2/12/18	What is new number of construction squadron No. 48?
P	595	2	2/13/18	Number of planes per squadron at front.
P	599	4	2/14/18	Squadrons should bring armorers with them.
A	780	6	2/14/18	C.S.O. recommends organizing brick- layers, carpenters, & laborers, into 20 construction squadrons, Approval wanted.
A	630	5	1/14/18	Squadron commanders should send monthly returns.
P	620	1B	2/19	Some tools purchased in France for construction squadrons. Small amount now on hand.
P	631	2	2/21	Bricklayers, laborers, etc should be sent in form of 20 construction companies.
P	610	1A	2/16	9 available for front and must use inferior planes due to non-arrival of material.
A	788	1	2/16	48th Sqdn. number changed to 462nd.
P	635	4	2/23	Two machine shop trucks per sqdn.
A	817	9	2/22	Statement of sets of equipment issued and sets on hand and wanted.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	822	4	2/22	SQUADRONS Number water trailers and machine shop trailers per squadron. Have been ordered.
P	655	2	2/27	Number and kinds of squadrons and kinds of planes they will want
		4D		1 machine shop truck for each squadron will be shipped. Is this correct
P	677	6	3/5	Balloon squadrons should be organized a/c tables. Were approved Jan 15th
A	870	2A	3/7	3 ton trucks satisfactory instead of 4 ton approved.
P	688	3D	3/7	Re 655-Sp. 2 Bomb requirements for squadron basis will require less bombs.
A	877	1	3/7/18	Bricklayers, carpenters, and laborers should be sent as Signal Troops, Aviation Section.
		2		Shipping program was 50 sqdns a month
		3		How long is 5000 men repl. in England to last?
		4		Are 30 sqdn. & 1 depot add't to par. 1 & 2.
		5		Air Service program does not agree with par. 2 & 3
		6		A complete program wanted for sqdns. needed.
		7		When can organization tables be expected?
		8		How many armorers per sqdn? Info. conflicting.
P	692	2	3/8	45 squadrons being trained as repair and service men. Will be trained on Liberty if pos.
P	692	2A	3/8	All sqdns. should be sent to England for training per agreement to maintain 15000 men there.
P	693	1B	3/8	1 water tank, 2 mach shop 2 spare parts trailers per every service squadron.
A	887	7	3/9	Necessity for issuing makes statement impossible. Estimates 10 sets equipment on hand.
A	892	1	3/10	Information wanted on qualifications of radio men.
		1A		Program of bombing squadrons at front Mar. to Dec.
		1B		Day bomb program O.K. but night bomb impossible.
		1C		No bombs provided for 64 observation squadrons.
		1D		No fragmentation bombs provided
				Definite monthly programs for observation, fighting, day and night bombing squadrons wanted.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	706	1B	3/11	SQUADRONS
A	907	4	3/14	Machine shop trucks for service squadrons only. See 692-P-2A
A	908	2A	3/14	Armament officers will report for duty.
P	723	3E	3/14	377-A-8 should read 46 instead of 45 squadrons.
A	933	1A	3/17	Data on armorers who should be sent to France. England to train 40 armorers. Others to accompany squadrons. Will motor transport be included for carpenters, laborers, etc.
P	749	5	3/20	Some arriving without sailmakers. 200 tailors should be recruited.
P	751	1LB	3/20	New scheme in requesting personnel.
A	947	9D	3/21	All squadrons being sent to England. Should 42 squadrons scheduled for France be changed to England?
P	768	5	3/23	Req. regulations re. to Air Parks, Air Depots and groups of squadrons be changed so as to include England and Italy as well as France.
P	635	1	2/23	Plan of forming replacement squadrons
P	308	10	3/29	15000 men agreement must be kept in England for training, after that squadrons may be sent France.
P	812	2	3/20	Schedule of bombing squadrons upon which bomb program in 661-P p.6 was based
P	815	2A	3/30	4 men per balloon company will be trained as radio men. Type of radio to be used by each company
A	839	1D	2/28	Replacements as per 635-P 1 approved
A	985	1B	3/28	Information wanted re training of techs in England.
A	993	1	3/29	Will buzzacott kitchen trailer be suitable.
A	1016	1L	4/1	Personnel of Bricklayers, Laborers, to be increased from 150 to 250 per co. and add. 27 companies, making 9750 ment and 273 off. Placed on priority.
A	1021	4	4/1	Monthly report of number of squadrons must be sent from AEF.
P	840	4A	4/3	Agreement with Ordnance requires 3 armorers with each squadron
P	840	5,5A	4/3	Luminous sights and aiming stakes should be provided for Browning
P	814		4/3	Motor transportation should be furnished for construction sqdns.
A	1031	6	4/4	Carpenters, bricklayers and laborers 200 tailors will be supplied as sailmakers for aircraft. Will sail in May.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
				SQUADRONS
P	849	2A	4/4	30 HP squadrons are in addition to agreement
A	1045	Con.	4/6	Agreement to keep 15000 men in England does not agree with Infantry priority. Squadrons being shipped to England whenever spare is available. How many are now in England.
A	1053	1D	4/7	British mission re. 1 compass off. per squadron.
A	1062	6A	4/8	40 engineer officers ready for duty with aero squadrons. How shall they be sent?
P	869	6A	4/8	Monthly report No. overseas.
A	1067	2F	4/9	Tables of motor transportation for squadrons recd. in U.S. with no explanations. Not understood.
		2G		No organization tables approved Jan. 15 received in U.S. When were they sent?

BINDER LETTER	CABLE NUMBER	PAR. NO.	DATE OF CABLES	SUBJECT MATTER.
E	300	10	12/7/18	Tables : Send 500 latest tables organization
A	1188	2	4/27/18	" Items numbers understood but organization tables not received. When sent?
P	1052	4C	5/2/18	" Organization tables mailed on January 4. 4 copies being mailed again to C. of S. C.S.O.
P	1049	5B	5/5/18	" Tables of organization for Service sqdns revised will be sent with an officer familiar with same.
A	1229	3B	5/2/18	" 330 Sla says 1 radio officer per squadron. Training tables shown none, which is correct?
A	1568	10	6/10/18	" Latest tables day 7 night squadrons wanted.
P	1360	2C	6/24/18	" Tables of organization will be sent by first courier.
P	1407	4A	7/3/18	" Radio organization table being sent.
P	1610	5	8/18/18	" Organization tables approved except as noted. Copies being sent by courier.
A	1837	1	8/12/18	" Are organization tables signed Whitehead approved.
A	1855	6	8/8/17	" All organization work, with certain exceptions held up pending arrival of tables.
S	33	3E	8/21/18	" Cables which enable to proceed on organ.
X	24	10	8/24/18	" Explain what is meant machine fitters, sheet metal workers, magneto men, cabinet makers, etc.
A	1892	9	8/29/18	" Waiting for organization tables. Expedite.
P	1649	1A	9/1/18	" Air Service Tables being sent in 3 days.
S	87	4A	9/5/18	" Definitions of terms Fitters, Cabinet Makers, etc., as used in organization tables
P	1722	1A	9/25/18	" Change tables to omit airplane & balloon observers. Are to be supplied by A.S.
A	2095	6	10/23/18	" Organization tables, A.S. #1 to #31 approved and changed to #601 to #631.
P	163	1-3	9/16/18	TACHOMETER: Does Curtis crankshaft turn tachometer ?
E	300	7	12/7/18	" Levy & Co. can furnish 6 tel tachometers.
A	403	2	11/17/18	" Can furnish 6 tel. tachometers.
A	703	9	1/28/18	" Details of gauges for D.H. and Bristols.
A	1273	5K	5/9/18	" Tel tachometers not received. Trace.
P	1131	1B	5/17/18	" Tel tachometers shipped from Paris, May 14th.
A	1445	4E	6/3/18	" On what boat were 6 tachometers shipped?
P	1277	1E	6/9/18	" Send tachometers, etc. with Liberty.
P	1316	1A	6/16/18	" 6 Tel Tachometers shipped 6/14 to Newport News.
A	1709	1C	7/13/18	" Data on inst. Orders, tachometers, gauges, etc.
				" Should Hispanos for SE5 be provided with tach. drive?
P	749	5	3/20/18	TAILORS: Some squadrons arriving with out sailmakers. 200 tailors should be recruited for this service.
A	1031	6	4/4/18	" 200 tailors will be supplied as sailmakers from draft. Will sail in May.
P	768	5B	3/23/18	TANDEM: Loss in efficiency propeller in tandem as used in HP is 10%

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER
E	297	1	12/5/18	TANKS: Do not approve use of Liberty engines for tanks
A	496	4	12/10/17	" Use either Renault or Fiat Liberty engines not for.
A	523	4	12/17/17	" Liberty engines not for.
A	581	18	12/31/17	" No Liberty engines for.
A	652	9	1/19/18	" Were any offers made Renault for patents, engines, designs? if so how much? Has no important patents.
A	812	7	2/19/18	" Designs only for sale. Recommend offer of \$75,000. for right to manufacture tanks.
A	817	5	2/22/18	" U. S. will furnish engines for
A	999	1N	3/30/18	" Is non-inflammable gasoline tanks in use now? Infor. wanted to date.
P	904	Conf.	4/12/18	" Non-leakable tank problem taken up by Research Div. Marlin guns will be used in Renault tanks
A	1224	Con.	5/3/18	" Priority in allocation of Liberty must be to Allies before Ord. Navy & tanks.
AA	1271	12	5/11/18	" Date on allocation of planes, engines & programs of classified sqdns. for front.
P	1247	1B	6/6/18	" No allotment of Liberty for tanks before October. Ord. may produce their own Libertys.
A	1575	1G	6/20/18	" Est. of production of English components of Mark VIII tanks. Request production of American components, including Liberty engines.
A	1815	1K	8/6/18	" Contract for 1500 Liberty (Ind.prod) has been let for tanks.
P	1673	1	9/9/18	" Estimate of deliveries for Libertys for tanks.
A	1984	1	9/26/18	" Priority program as wanted for tanks if independent production of Liberty does not suffice.
A	1985	7	9/26/18	" Ord. insists on delivery 3000 lbs. for tanks Oct. to Jan.
A	1985	7A	9/28/18	" A. S. has taken over Ord. production of Libs. Delivery schedule as req. by Ord.
S	250	7A	10/9/18	" 2 Lts, ordered to France to demonstrate Marlin and tank guns.
CX	17	2	9/18/18	" Ryan will take up allocation of Libertys for tanks on arrival to U. S.
CX	21	1	9/22/18	" Changes in Liberty for tanks will be sent Sept. 27th.
A	2085	19	10/22/18	" Probable shortages Sept. priority in Ordnance.
P	1268	5	6/8/18	" Must supply 500 Liberty for tanks to January?
A	1515	4	6/13/18	TECHNICAL: All cables on technical matters should come to AEF and not to London.
A	1605	1	6/25/18	" All technical matters will be addressed C.A.S.
P	1386	11 C	6/28/18	" List of Technical Board members.
A	1642	3	7/1/18	" Have the 4 technical reps. sailed?
A	1667	2C	7/5/18	" Technical man wanted for airplane dope.
P	1435	4B	7/9/18	" Tech. Sec. D.M.A. organized in U.S. Should coordinate with T.S. Eng. & France.
A	1685	7	7/9/18	" Technical men are with Lockhart, Miss.
P	1471	2	7/16/18	" R.G. Dort sent as airplane dope man.
A	1733	5	7/18/18	" Send pilot with knowledge calibration calculation.
A	1765	4	7/23/18	" Organization Tech. Sec. and plane tests will be sent. Address Tech. matters to CAS AEF, Tech. Sect. British Technical reports received irregularly. 2 copies wanted as issued. Does Air Service send list Technical documents sent?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER
P	1545	4	8/1/18	TECHNICAL: Lists and Tech. docs. will be sent DMA
P	1556	3	8/4/18	" Steps taken to procure British Tech. reports.
A	1839	1	8/12/18	" Should investigate Lt. Makay's reported im- provements in Airplane control.
A	1874	14	8/24/18	" Rec. that Tech. Sec. in London be authorized to cable direct to Wash.
X	24	3	8/24/18	" Cable recommendations on list tech. personnel delivered by Northrup.
		7		" Tech. Sec. in US moved to Dayton. Send them 1 copy all reports there.
CS	97	1	8/31/18	" Capt.s Roe & Bassett wanted with Technical Section.
S	71	2D	9/2/18	" Continue to send London technical data thru CAS.
S	72	8A	9/2/18	" Lt. Col. Hall wanted as Chief Tech. Sec.
S	78	5A	9/4/18	" 2 gas & lubrication experts wanted.
S	100	2C	9/7/18	" Send personnel as per Northrup report X 24-3.
X	60	4	9/9/18	" Lt. Col. Hall released for Tech. Sec.
S	164	3	9/22/18	" 12 Tech. officers & 5 stenogs. needed
CP	90	1	8/5/18	" Capt. C.H. White wanted Metallurgy Div.
CA	16	2	8/30/18	" Names & qualifications for 6 Lts. for Metallurgy Div.
CS	164	1	9/26/18	" Matters must be sent thru CAS and not London.
X	110	3	9/26/18	" No technical personnel list received from Maj. Northrup. NOTE: This is contrary to X 24-3 which states list was received.
S	266	5A	10/12/18	" New list Tech. Personnel needed France.
S	287	6A	10/14/18	" Send Worden for Technical Section.
		6B		" Commission Finlay Capt. & send for Technical Section.
		6D		" Send Byers and C.
S	295	7	10/16/18	" Capt. Lynn Reynolds wanted for Tech.S.
S	301	2	10/16/18	" Metallurgical personnel not qualified. None needed if White unavailable.
X	176	14	10/16/18	" Desire Lockhart Mission return & rep't.
X	194	2	10/22/18	" Procuring officers as per list.
X		10		" Lt. Davis not available.
X	200	12	10/24/18	" Wm. J. Findlay will be sent for T.S.
X	231	3D	11/1/18	" Lt. Byers cannot be spared. Send qualifications for a substitute.
S	410	6B	11/5/18	" Request 4 Libert ignition experts.
S	508	3B	11/26/18	" Capt. Case arrived is with Tech. Sec. reports enroute.
		3E		" Cancel previous requests for equip-ment, in- struments, personnel for tests.
A	2302	16	12/10/18	" Col.T.F.Dodd wanted US for Tech.
S	722	2	12/31/18	" Where shall samples foreign planes, engines, be sent for study by Technical Section?
X	416	4	1/12/18	" Return sample planes and engines for study to McCook Field, Dayton, Ohio.
P	33	9	7/7/18	TECHNICAL SECTION: Recommend establishment of Technical Section in London.
A	465	1	12/2/18	" Send originals with translations technical data.
A	781	3		" Lt. Meredith ordered to report for duty.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	389	2	12/14/17	TIRES: Data on kind and size wanted.
A	491	3	12/10/17	" Clinches American Bead clinches tires aviation Trucks Pneumatic tires dual and type tires.
A	672	3	1/23/18	" Data on tires and wheels spare parts which should accompany.
A	701	8	1/27/18	" 6 sets of H.P.tires wanted with fittings.
A	719	2	1/31/18	" 6 sets of tubes to accompany H.P.Tires wanted
P	602	4	2/14/18	" H.P. wheels and tires will be shipped.
P	614	8C	2/18/18	" Clincher tires will not fit rims. Recommend straight sides for all autos.
A	835	1B	2/27/18	" Conflication of information straight side and clincher tire information.
P	881	5B	4/1/18	" 3 sets HP tires will be shipped.
A	1025	1	4/3/18	" Outline of situationof regarding supplies accessories. Information wanted on same.
P	862	4	4/7/18	" Disregard former cables. Present size wanted.
A	1440	10	6/2/18	" Data on spare parts and tires.
S	35	6 F	8/22/18	TITAN (spark Plugs) Porcelain breaks on Liberty plugs. Ship Titan is successful.
X	38	2	8/30/18	" Titan satisfactory. Will be shipped 3 weeks.
A	700	C	1/27/18	TITANINE: Aircraft production Board urges adoption of. Advise investigation and adoption of formula.
P	163	5	9/16/17	TONNAGE: British will supply tonnage for raw material for LeRhone 80.
P	324	13	10/17/17	" Names of ports to which heavy articles are to be shipped.
SD	191	2	10/4/18	" Have requested England furnish tonnage for LeRhone forgings. Cable Boats.
A	306	4	10/22/17	" Material shipped week October 22.
A	315	5	10/25/17	" J.G.White estimates Oct. to Jan.
A	259	5	11/5/17	" Supplies loaded week Nov. 5.
SD	240	2	11/5/17	" Insp. Gen. recommends A.S. have detachment at ports to oversee loading.
SD	230	3	10/29/17	" Fiat protest requisition of SS Susanna
A	378	4	11/8/17	" Susanna will be assigned Fiat material by shipping board.
A	289	5	11/14/17	" Material shipped week November 14th.
A	408	8	11/18/17	" Material shipped week November 18.
A	419	1	11/20/17	" Susanna assigned to carry Fiat materials.
A	443	3	11/28/17	" Material shipped Week Nov. 28th.
A	471	3	12/3/17	" Material shipped week Dec. 5.
P	360	3	12/11/17	" Pershing requests no extension Air Service in view of tonnage problem.
A	15	3	6/29/17	" Suggest try arrange transportation of material in British bottoms.
SD	27	3	6/30/18	" Suggest try ship planes knock down save tonnage
SD	49	1	7/6/18	" Priority of transportation on sea should be given our Aircraft material and allies material.
A	761	1C	2/11/18	" Terms to be used in describing status shipment
P	465	1B		" Statistics on cubic space wanted.
P	694	4	3/8/18	" Tonnage allotment for Air Service for April.
P	819	9	3/31/18	" Will motor transportation be shipped as per tonnage schedule.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER
A	1035	1	4/5/18	TONNAGE: No further allocation of tonnage to Italy.
A	1043	4	4/6/18	" Totals for month of March.
P	980	1 D	4/25/18	" Air Service tonnage allotment scheduled for May.
P	983	3	4/24/18	" Have all April articles been shipped
P	1057	Con.	5/5/18	" Hereafter some ships to be diverted to Marseilles. Data on method of conveying, etc.
A	1253	1	5/8/18	" List of articles shipped in April.
A	1266	Con	5/9/18	" War Dept. will utilize Marseilles as port.
A	1269	8	5/10/18	" List of shipments April allotment for S.C. proper.
P	1116	1	5/15/18	" Lists of all shipments to be made and delivered at Port of embarkation.
		3C		" Shipments for month are lower than allotment
				" Keep movement to sea board crowded.
A	1308	4	5/15/18	" Navy tonnage will be investigated.
A	1318	8A	5/14/18	" Status of clothing tonnage.
P	1131	1G	5/17/18	" Air Service did not use total April tonnage. Loss in tonnage serious.
		1J		" Articles not shipped according to April priority.
P	1143	3	5/17/18	" Dodges, Cadillacs and trucks cancelled May.
A	1356	11A	5/20/18	" Status of tonnage at ports and in transit.
A	1363	10	5/21/18	" Hercules sailed with cargo meat. Seattle sailed with 4 airplanes.
P	1168	1E	5/25/18	" Tonnage priority for June.
P	1184	3B	5/25/18	" Cable every ten days articles shipped on priority lists.
A	1382	7	5/23/18	" Items shipped as per 787 S. Priority must be known 30 days in advance.
P	1195	7A	5/26/18	" What planes and engines can be floated June, July and Aug. Wanted. for tonnage priority forecast.
P	1211	1E	5/29/18	" Priority schedules for July & Aug.
A	1440	3	6/2/18	" A.S. tonnage being separated from S.C.
A	1443	4	6/2/18	" Instructions being prepared on packing lists
A	1456	2	6/5/18	" Amount shipped for May each Dept.
A	1461	6	6/5/18	" Definition of terms "cancel" and "suspend"
		4B		" First of 10 days reports on May allotment.
P	1194	1	5/26/18	" Totals ending June 20th.
A	1462	8B	6/6/18	" Status of shipments from Philadelphia
A	1483	1	6/8/18	" Status of shipments hangar.
A	1486	3	6/9/18	" Officers handling shipments from England to France authorized to drop accountability.
A	1519	2	6/14/18	" Total for month for each service.
P	1336	2	6/19/18	" Meaning of "suspend" and "Cancel"
P	1341	2A	6/19/18	" 120,000 tons material for Italy badly needed
P	1343	5	6/19/18	" May totals 78% of priority. Total priority should be used.
A	1590	19	6/24/18	" Total tonnage shipped month of June.
A	1592	3	6/24/18	" Estimate to be floated for July.
P	2366	1E	6/24/18	" Priority list of July
A	1608	23	6/26/18	" More air service tonnage was shipped than listed
A	1617	9	6/27/18	" Packing lists will be sent.
A	1621	1A	6/28/18	" 120,000 tons material for Italy referred to Shipping Board.
A	1636	4	6/29/18	" Trouble in allotments of tonnage account changes after monthly estimate. Recommend 25% held for reserve.

Binder LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1644	4	7/2/18	TONNAGE: A.S. & S. C. tonnage not entirely separated yet.
A	1655	1A	7/4/18	" What raw material is wanted for Italy
A	1663	5	7/5/18	" Shipment totals per service.
P	1438	6	7/9/18	" Provide space for 20 sets HP parts in July
A	1711	1	7/13/18	" Totals for period A July.
P	1471	7	7/16/18	" Substitutes for July priority.
A	1723	13	7/16/18	" Estimated tonnage to be floated Aug.
P	1500	4A	7/23/18	" Tonnage referred to for Italy was miscellaneous.
A	1762	12	7/23/18	" Amounts not floated June allotments.
P	1507	1D	7/25/18	" August tonnage priority.
A	1780	6	7/26/18	" Totals shipped for July.
A	1783	15	7/27/18	" Material shipped since July 22 and steamers
A	1790	1	7/29/18	" 20,000 tons material for Italy and no tonnage. Recommendations wanted.
P	1539	8A	7/31/18	" Cable what material available in order to prepare tonnage priority for September.
P	1541	7	7/31/18	" If articles cannot be shipped as per A.S. August priority let DMA designate priority.
A	1805	12	8/2/18	" Total shipped each service July C.
CC	95P	1	8/5/18	" Send July flotations Air Service and hereafter separate from Signal Corps.
CC	108P	1	8/8/18	" Send courier list short and ship tons for each article to be floated to prepare 12 months program.
A	1831	5	8/10/18	" Will advise about tonnage on instruments and material when obtained.
A	1831	10AB	8/10/18	" Tonnage priority usually too late. Should be based on tonnage available, and sent 3 mos. in advance if possible.
S	5		8/12/18	" Request list of material available for shipment during September.
CP	95	1	8/6/18	" Hereafter floatings will be reported separately Air Service from Signal Corps.
CP	108	1	8/8/18	" Send by courier weight and cubical contents of each unit of articles to be floated
A	1843	1	8/14/18	" Shipments period A August.
S	13	5B	8/15/18	" Give preference to balloons and cable in balloon tonnage priority.
A	1848	3	8/15/18	" Sept. tonnage of DH should be reduced a/c shortage in production and shipment spares.
P	1606	3	8/17/18	" Representatives sent to Rome concerning the tonnage for Italy, will report
X	10	14B	8/17/18	" Changes in estimate of September shipments.
S	21	1AB	8/18/18	" Difficulties with priorities. Oct and September revised tentative.
CS	42	1A	8/21/18	" Segregations to be used in tonnage reports
S	25	1	8/19/18	" Tonnage priority for September.
S	33	1K	8/19/18	" Allotments for different services.
S	33	3G	8/21/18	" Advise date 4th quar. estimates shipped. Needed to forecast tonnage.
S	34	5B		" Cannot A. S. and S. C. tonnage be separated in reports?
S	34	1	8/22/18	" Equipment must arrive before organizations. C. M. is getting too much.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
X	15	10	8/20/18	TONNAGE: Estimate to be floated Sept. for each service.
S	47	7	8/25/18	" Cancel S-25-ID. September priority.
X	24	2	8/24/18	" Repeating A 1831-10 modified.
X	26	3	8/25/18	" Totals shipped "B" August, each service.
S	49	4	8/26/18	" X 15-10 and A 1723-13 seem duplicates.
		4A		" Is motor transport figures correct X 15-10?
S	52	3	8/27/18	" When balloon equip. does not fill allotment, ship hydrogen cylinders to complete.
S	54	3	8/28/18	" Cable best estimate available floatation Oct. & Nov. Devise automatic forecast.
S	13	2	8/15/18	" What was lost on Tippecanoe?
X	31	3	8/28/18	" 2000 tons aviation material lost on Tippecanoe.
X	32	3A	8/28/18	" A.S. & S. C. will be reported separately.
X	34	3	8/29/18	" Lt. Paris coming with data on CP 108-1
X	45	4	9/4/18	" All known supplies available for Sept. are in X 10-14B and 1812-13A.
		8		" 4th quarterly estimate in 2 weeks. Raw material items multiply by 20 for 3 months.
S	99	7	9/7/18	" Negotiations being made with Italy to settle contracts and tonnage.
S	102	4	9/7/18	" Requirements steel hangers will be sent after tonnage arranged.
X	52	1	9/7/18	" Total shipments for period "C" August.
X	48	5	9/5/18	" Arrangements made to ship hydrogen cylinders when balloon equipment does not fill tonnage.
X	63	7	9/11/18	" Italy has no record San Francisco contracts.
S	125	1 & 1A	9/12/18	" Priority schedule for Oct. Follow closely and advise unavailable items.
		1A		" Tentative priority for December by courier.
X	70	1	9/13/18	" Totals shipped period A -Sept.
S	142	3A	9/16/18	" San Francisco contracts should read satisfactory contracts.
S	155	6	9/20/18	" Change in October tonnage priority.
X	83	3	9/18/18	" Tentative estimate of items to be floated Nov.
X	92	7	9/23/18	" Recommendations on raw material received. List of shipments soon.
X	94	4	9/21/18	" Estimate of articles to be floated Sept.
X	82	3	9/19/18	" Shipments from England not properly consigned as per our letter.
S	155	1	9/20/18	" Unable to letter referred to
X	104	1	9/25/18	" Letter gives correct address for shipment N.Y
S	186	1	9/26/18	" Lift embargo on some steel for hangers and building material.
X	104	13	9/25/18	" Total shipped period "B" Sept. Each service.
		16		" Oct. availability changed on DH LeRhone & Radio
S	156	10	9/20/18	" What results from study of priority lists?
S	196	50	9/28/18	" Push shipment 4th quarterly estimate
X	111	5	9/27/18	" Trouble in tonnage list & availability & production lists. To whom sent.
CX	11	6	9/10/18	" 4th quarterly estimate not yet known
X	228	1	10/5/18	" Our estimate based on US forecast of floating data planes & engines & other items as needed here
		1A		" Nov. & Dec. tentative tonnage scheds. mailed to A. G. & Chief of Staff
		1B		" Photo material shortage serious. Follow.
		10		" Change in October priority.
X	128	3	10/2/18	" Information & Engineering & Special Assembly to go direct to bureaus concerned.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES:	SUBJECT MATTER:
X	128	7	10/2/18	TONNAGE: All material being rushed on 4th gr. est.
		10		" Cannot identify oxygen material on Oct. prior
X	131	3	10/3/18	" No ships are held for cargo.
X	132	5	10/3/18	" Shipments period "C" Sept.
S	256	3B	10/10/18	" Alloting more tonnage to instruments & tool equipments as floatings are not sufficient
X	154	10	10/10/18	" 9700 tons steel to be sent for Ord. building
CX	21	1	9/22/18	" Probable shortages in Sept. priority for Ord.
		2		" Reports will be sent CS 42 par.1A.
CS	230	1	10/13/18	" Instruments issued as per Horner's letter
				reshipments from England.
S	271	1-ABF	10/12/18	" Tonnage priority for Nov. Needs reduced to lowest possible. No allotment reciprocal supplies. Jan. tentative by courier.
X	158	16	10/11/18	" Estimate articles to be floated November, December and January.
A	2054	1	10/15/18	" Total space available for Nov. Send priority for bulky material, planes, gas, railway cars, transportation material, animals.
S	306	4	10/18/18	" Ship all radio to Signal Corps. Air Service tonnage to be decreased accordingly.
X	173	2	10/16/18	" Shipments period "A" October.
P	1814	Con	10/19/18	" Reductions & recommendations regarding bulky material for Nov. shipment.
X	197	3	10/23/18	" Shipments period "B" October.
A	2106	1	10/25/18	" Revised total of Nov. tonnage available. Request recommendations on articles to cut
S	370	2	10/29/18	" Shortage of priority in planes. Liberties & totals. Why small floatations?
A	1120	9B	4/17/18	" Meaning of words "cancel" and "Suspend."
S	399	Con	11/3/18	" Cancellations re reduce tonnage. Priority must be followed. Take over Import trade ships and inform British desperate situation before cancellations.
S	415	3A	11/6/18	" On each 10 day period tonnage report send number each tube plane & engine sent.
S	421	2	11/7/18	" Inability to float accessories not understood Make every effort to increase floatations
X	254	1	11/7/18	" Estimated floatation for Nov. A.S.
X	255	1	11/7/18	" Totals each service period "C" October.
		11		" Reason for shortage shipments. Air Service. space given over to Motor Transport.
X	262	Con	11/11/18	" What are recommendations for shipped in view of Armistice, 800,000 tons available.
X	266	1	11/12/18	" Amounts available each service Nov. Further desired.
S	456	1	11/15/18	" Cancel all construction material for A.S. Itemized cancellations follow.
S	477	1	11/20/18	" Ship nothing more except articles specifically called for.
X	288	10	11/19/18	" Totals shipped period "A" Nov.
X	804	1	11/23/18	" Shipments period "B" Nov.
S	487	1	11/22/18	" Tonnage priority for Dec. for Air Service cut to 1000 tons.
X	313	3	11/26/18	" All shipments construction material stopped.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT: MATTER:
X	333	2	12/4/18	TONNAGE: Shipments period "C" November.
S	560	1H	12/5/18	" No tonnage priority for A. S. January.
CX	63	1	11/23/18	" Are further estimate tonnage reports and production reports wanted by cable?
S	578	1A	12/8/18	" How should supplies & material be packed for return to U. S. Send Instructions.
X	337	3	12/6/18	" Ship back no more material to U. S. for 30 days in order to clear ports.
P	1368	1-V	6/24/18	" Recommend property accountability be dropped on delivery to Embarkation for A.E.F.
A	1625	3	6/28/18	" Rec. in P 1368-1-V approved.
S	516	3	11/27/18	" Request process in P 1368 be reversed for shipment supplies back to U. S.
X	350	1	12/12/18	" Request in S 516 approved.
X	356	1	12/14/18	" Shipped period "A" December each service.
X	373	3	12/23/18	" Classes under which cargoes will be reported to U. S. for service.
		12		" Shipped each service period "B" December.
S	661	1	12/21/18	" Total priority for Jan. None for Air Service.
S	718	1	12/30/18	" Will start shipping to U. S. Jan. 7 unless advised to the contrary.
X	383	3	12/26/18	" In view of clogging of ports at U.S. use steel for ballast in ships. Return of supplies unadvisable due congestion in ports.
X	396	10	1/3/19	" Shipments each service Period C December.
S	791	2	1/10/19	" Troops turn in equipment before embark U.S. Ports clogged this equipment. Send rec. for ship or must build ware house.
A	45	1	7/22/17	TOOLS Must have list of all machine tools needed by France and England.
P	37	13	7/11/17	" Request priority for machine tools.
P	47	2	7/17/17	" French offer to furnish 1500 Breguet with 300 hp Renault and 2000 Spads or Mleuports, we to replace raw material and provide necessary machine tools.
P	78	107	8/7/17	" Request license to manufacture machine tools in France.
P	86	5	8/8/17	" Vail coming to U.S. with requirements tools.
P	115	3	8/20/17	" Vail brings all data. Give to J.G. White.
P	148	2	9/8/17	" When will machine tools Renault be ready?
SD	178		9/25/18	" Consign all tools and materials for foreign orders to Bolling.
A	149	2	9/2/17	" Vails lists to be given J.G.White at once.
A	198	5	9/21/18	" Get list machine tools in French brokers hands and prices. No tools idle.
A	223	2-5	9/29/17	" Cable shipping instructions for all tools and machinery from J. G. White.
P	163	4-2	9/16/18	" Consign tools for French to Bolling.
P	168	3	9/19/18	" Did lists include Rivett Grinders?
P	204	4	10/5/17	" Consign all tools to 45 Ave. Montaigne Paris
A	273	1	10/13/18	" 75% materials for French will ship Dec. 15.
A	299	3	10/19/17	" Must have necessary Jigs, drawing and tools Filloux gun.
SD	224	7	10/24/17	" All tools in France needed for repair shops.

LETTER BINDER	CABLE NO.	PAR NO.	DATE OF CABLES	SUBJECT MATTER:
SD	237	5	11/2/18	TOOLS: Ocumpaugh list has corrections of Vail list.
A	402	10	11/15/18	" Corrections to Ocumpaugh lists.
P	439	6F		" Lists of shipments tools requested.
A	618	4	1/11/18	" J. G. White has ordered tools.
P	600	4	2/14/18	" List should be sent on each steamer avoid congestion.
A	777	4	2/14/18	" 4 cases drills, borers etc. shipped without forwarding address.
A	581		12/31/17	" Has AEF extra sets of tools to issue new arrivals.
A	764	9	2/11/18	" Shovels, pick axes and wheelbarrels being shipped US has no information on tool situation in Europe.
P	620	1B	2/19/18	" Some tools purchased in France for construction squadrons. Small amount now on hand.
A	833	12	3/1/18	" 99% machine tools orders delivered port of embarkation.
P	776	22 1D	3/25/18	" Have been ordered as requested. Lists for Prod. Center #2 just finished No statement of procurable articles for 3 weeks.
P	865		4/7/18	" Sets of dies and tools wanted for repair work on Liberty engines.
P	1154	3B	5/20/18	" DH & Liberty being received without tools. Send tools.
A	1413	1J	5/30/18	" What instruments wanted to equip 200 SF5's ordered.
A	1366	3A	5/22/18	" Can army chest tools be used instead of kits?
A	1467	2C	6/6/18	" Tool kits will accompany Liberty. No tools designed for DH.
P	1271	2B	6/8/18	" APC #2 requirements being purchased as per letter.
P	1271	1E	6/9/18	" List of tools wanted for APC #2.
A	1493	2B	6/10/18	" Send batteries, tools, etc. for Liberty.
P	1303	1	6/14/18	" 100 Liberty tool kits shipped.
P	1311	3E	6/15/18	" S.C. chest not suitable for balloon.
A	1555	11	6/18/18	" Will machine shop trucks be equipped with tools as per manual.
A	1589	10	6/22/18	" Small tools will come with machine shop trucks
P	1365	1D	6/24/18	" Machine shop trucks will have tools.
P	1366	1E	6/24/18	" Group 10 straight edges wanted.
P	1390	3	6/29/18	" Priority list for July.
A	1633	1A	5/29/18	" Send details of machine shop trucks and tools for same.
P	1447	1D	7/11/18	" Straight edges will go forward promptly.
A	1699	7C	7/11/18	" Ship armorers tool kits.
P	1507	1D	7/25/18	" Photo supplies sent except tools.
P	1556	3 ABCDE	8/4/18	" August tonnage priority.
A	1809	2	8/3/18	" List of tools, parts, etc. required.
X	10	14B	8/17/18	" 200 trucks with armorers tools ready. 75 Lewis and Marlin kits ready. 50 chest Balloon tools.
X	38	2A	8/30/18	" Changes in estimates for Sept. shipments.
X	83	3	9/18/18	" Shipment machine shop trucks and tools Estimate to be floated November.
S	210	5B	10/1/18	" How many mach. shop truck bodies complete with tools equipment floated?

INDEX TO CABLES

PAGE #338

LETTER BINDER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
S	256	2D	10/10/18	TOOLS: Hold Lt. Dayton until Major Dunn arrives with data on tools and machinery.
S	346	4	10/25/18	" Machinery and small tools as needed in Bombardment factory in England.
X	297	7	11/22/18	" RP material & tools not being procured.
		8		" Advise cancellation hardware & metal supplies.
CS	310	1	11/8/18	" Items needed on Balloon Req. 56 U.M.D.
S	616	5	12/14/18	" Cancel hardware and metal supplies.
X	276	16	11/15/18	" Will AEF want material on 4th Est. 4400 ton?
S	559	1	12/5/18	" Where did 4th Est. originate.
X	351	2	12/16/18	" 4th Est. is for Air Service.
S	678	7	12/23/18	" Will not require Req. 4th estimate.
S	682	2C	12/24/18	" Air Service cancelled AM hardware in error. Cancellation not desired.
S	292	4	10/15/18	TOURELLES: Send 500 pairs tourelles rubbers for mounting double guns? Those received useless.
X	225	2	10/30/18	" 5000 pairs tourelle rubbers ordered. Specifications for same.
X	235	6	11/2/18	" Are pilots using 2 Lewis guns on scarf mount or has French Tourelle replaced it?
A	777	6	2/4/18	TOUSSAINT LEPRERE: Order 10 speed indicators from them.
P	702	1 B	3/9/18	" Will furnish speed indicators.
A	1273	5 B	5/9/18	" Speed indicators not recd. Trace.
P	1149	4B	5/19/18	" Indicators being traced.
P	1215	7 B	5/30/18	" Indicators shipped May 11th.
X	585	1/1/18	1/1/18	TRACTORS: Holt caterpillar.
P	651	2	2/26/18	" What action taken on alteration tractor set
A	1419	5	5/28/18	" 40 Gray tractors being bought. Wire priority.
P	1287	6	6/11/18	" Ship Gray tractors.
A	1589	8	6/22/18	" Gray tractors will be shipped.
P	1480	7A	7/18/18	" Ship 2 Cleveland tractors.
A	1762	16	7/23/18	" 2 Cleveland Tractors ordered.
P	1551	3	8/2/18	" Ship 10 Cleveland tractors.
A	1818	4	8/7/18	" Requisition placed for 10 Cleveland Tractors.
S	114	3A	9/10/18	" 5 Ford tractors wanted.
S	138	3A	9/16/18	TRAILERS: Spares for Cleveland same as J.G. White.
A	1025	1	4/3/18	" Outline of situation reg. supplies and accessories Information wanted on same.
A	1054	4	4/7/18	" Ford trucks and trailers sent to Radio Equipment
A	1080	1A	4/21/18	" 2 wheel trailers not ready. 4 wheel will be substituted.
A	1094	1C	4/14/18	" 1 Photo truck and trailer per section. shipping schedule.
A	1119	1B	4/18/18	" Packard & Troy trucks and trailers floated.
P	1069	2A	5/7/18	" Spare parts for trailers to be shipped to Air Service Motor Transportation, AEF.
X	1363	11	5/21/18	" Suggestions for new Motor Lorry for Radio.
P	1047	1	5/3/18	" Recommend Eclipse trailer kitchens.
P	303 2	1	8/10/18	" Supply prospects July 31st.
P	303 19	7D	8/17/18	" Ship 6 chart trailers in place of 10 two wheel body trailers. How many available for floating.
A	29	4	7/11/17	" Submit all data re trailers and kitchen trailers for aero squadrons.
A	41		7/20/17	" Forward trailer and kitchen data by cable.
P	62	4	7/26/17	" Recommend 1 Troy 1 & 1/2 ton trailer with each truck for aero squadrons.

LETTER BINDER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
SD	300	12/9/18	12/7/18	TRAILERS: Specifications trucks, trailers, kitchen, etc.
X	36	2 B	8/30/18	" Chart trailers in S-19-7D not understood.
S	86	3A	9/5/18	" Chart room trailers are for Balloon sections.
S	230	5	10/6/18	" Advise flotation chartroom trailers.
CA	52	1	11/15/18	TRAINING Graduates & Undertraining week Nov. 7th.
Ca	53	2	11/19/18	" Graduates & Undertraining week Nov. 14th.
A	2325	6	12/16/18	" Names of officers wanted for return to U.S.
S	624	4 AO	12/5/18	" Brief summary of Air Service to Armistice
S	708	5	12/28/18	" Our proposition to return officers to U.S. by qualifications. Your request by names cannot be filled. Names of those returning.
A	354	4	11/2/18	TELEPHONES: Re telephone for all repair shops.
P	279	6C	11/10/18	" Re equipment repair shops.
P	421	5A	12/28/17	" Receivers and transmitters coming with, and Balloons Co's.
A	703	16	1/28/18	" Camp telephones are meeting service requirements.
		17		" Future orders should specify buzzers for camp phones.
		18		" Buzzer phone developed in U. S. better than sample received. Model will be sent.
P	572	5C	2/5/17	" Diagrams of telephone equipment of balloon companies wanted.
P	442	5A	1/4/18	" Ship solid cable if no conductor cable available.
A	788	2	2/16/18	" Diagrams of balloon equipment will be sent.
A	843	2	3/1/18	" Hannay claims Fort Omaha type telephone superior for balloon use.
P	688	7A	3/7/18	" Fleischman returning with information on balloon switchboard. Fort Omaha type not known here.
P	882	2C	4/10/18	" Radio officer not trained in telephone work This is essential.
A	1399	2	5/26/18	" Information wanted on Edison Batteries for Radio telephone.
P	1303	1	6/14/18	" Developing telephone reels and carts here.
S	13	5A	8/15/18	" SCR 57 has been approved for observation in balloon basket.
A	2363	3	12/26/18	" Reports of test telephone app. in France wanted.
S	728	4	1/1/18	" Complete reports of all radio telephone tests sent to Chief Signal Officer.
A	1051	2A	4/7/18	TELEGRAPHERS Will be purchased in U. S.
P	3	2-6	9/12/18	TELESCOPES: Send Scott bomb dropper and telescopes
S	19	8C	9/17/18	" French unable to send observation telescope to U. S.
S	108	1H	9/9/18	" French can supply observation telescopes for A. E. F.
X	95	1M	9/23/18	" 1166 needed in U. S. for training. Purchase as many as possible French.
S	219	2G	10/3/18	" 1166 ordered for US 3471 for AEF.
X	184	7D	10/19/18	" Delivery starts March. Place no orders for later than May.
S	394	4	11/2/18	" 4000 ordered, 400 in excess. Will not cancel.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:				
X	301	10F	11/22/18	TELESCOPES:	Orders reduced to amounts actually needed to June 1.			
S	554	1	12/4/17	"	Orders reduced to amount needed June 1st.			
X	115	3	9/27/17	THERMOS BOTTLES:	Are Thermos bottles desired as equipment?			
S	250	7B	10/18/17	"	Thermos bottles are desired as part of equipment.			
X	183	15	10/18/17	"	Pint thermos bottles will be furnished			
X	194	12	10/22/18	"	No sample bottles received.			
P	1571	3A	8/7/18	"	Ship 333 Thermos bottles for foreign built planes to June 1919.			
A	198	10	9/21/18	THOMAS	Holding Thomas plant for rotary engines. When will Spad & Sopwith come?			
A	1291	11	5/12/18	"	U. S. would welcome proposals from Thomas to establish airplane factory.			
P	719	1F	8/12/18	THOMAS MORSE AIRPLANES:	Feb. deliveries wanted.			
A	701	p 9		"	Shipments for Nov. and Dec.			
A	1667	2 F	7/5/18	"	Using them for advanced training.			
A	828	3	2/25/18	TIN	Tin for LeRhone should be bought in Europe.			
A	833	16	3/1/18	"	All delivered to port of embarkation in pigs.			

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	333	5	12/ 1/17	TRAINING Send no more cadets for training till further notice.
SD	267	1	11/17/17	" Big mistake to use wheel control except where no guns used like H.P. and Caproni Other use stick control.
SD	277	1	11/23/17	" Training getting complicated. Send no more cadets and arrange extend training in US.
A	373	9	11/ 7/17	" Clay pigeons and shot gun shells sent Sept.
A	385	1	11/11/17	" Probably adopt wheel control for all training
A	455	8	11/30/17	" Status arrangements made for 10 Squadrons to train in England.
		9		" No more cadets to be sent. Schools not in full swing. Expeditions on training all branches.
A	474	9	12/ 5/17	" Recommendations on pay of civilian and enlisted candidates. \$312 per month.
P	350	3A	12/ 8/17	" Increase gunnery training.
P	473	2	1/11/18	" Requirements for Aerial Gunners school.
P	464	4F	1/ 9/18	" Informat. Directions for observers and gunners.
P	472	8F	1/10/18	" Information wanted on cadets and R.M.A.
P	471	4	1/ 9/18	" Suggest in U.S.
P	375	1	12/10/17	" Must be pushed. Experts sent from England Info wanted on San Antonio School gunners requested.
A	504	6	12/12/17	" Avro 100 mono Gnome recommended by Lt. Col. Lee R.F.C.
A	511	1	12/12/17	" LeRhone machine used for.
A	513	1	12/14/17	" 8-2nd Lts. Air Service ordered to England Should be appointed as Supply Officer.
A	523	10	12/17/17	" With Caproni Bombing planes in U.S.
A	530	12-A-B	12/20/17	" For Photograph personnel.
A	539	6	12/21/17	" Supply officers and all branches being arranged.
A	645	4	1/18/18	" Plans for Aerial Gunners, Pilots, etc.
A	539	7	12/21/17	" Supply Officers course at San Antonio is complete.
A	540	4	12/21/17	" Foulis recommendation desired for Mono Avro
A	559	5	12/26/17	" Past and present methods for aerial gunners and observers.
A	575	2	12/30/17	" Glad to receive Gnome opinion wanted on 100 hp or 150 hp for training.
A	533	3	12/17/18	" Eight 2nd Lieuts. to England and report to C.A.S. for training supply Officers.
A	570	5	12/29/17	" Officers available from Schools in U.S. Lt. C.S. Lyon and A. Drake.
A	703	11	1/28/18	" Instructors school of aerial gunners now under way. Will graduate 350 March 1st.
A	661	4	1/21/18	" Aerial gunnery instruction as given in US
P	556	3A	1/30/18	" How many Officers for Armanent course in England. When will they arrive.
A	716	6	1/30/18	" Does Foulis mean training depot instead of frame depot.
			6/ 7/17	

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	567	7A	2/ 3/18	TRAINING Info wanted on school at Fort Sill and number of graduates.
P	567	7E	2/ 3/18	" His cable should read "training" depot, not "frame" depot.
A	730	6	2/ 3/18	" Instructors school under way. R.F.C. system used. Observers, gunners, flying and ground work. Will graduate March 1, more April 1. Meanwhile pilots instructed on Lewis gun from rear cockpit J.N.
P	574	4E	2/ 6/18	" Nothing know about training Italians in the U.S.
A	539	5	12/21/17	" Schools in Italy engines and planes for training.
P	589	1A	2/11/17	" All observers should take course at Ft.Sill should use French system.
A	764	7	2/11/17	" IDH shipped Europe for training personnel, 2 shipped to Lake Charles. Recommend 1st 50 planes be used in U.S. for training, to detect faults.
P	599	4A	2/13/18	" Armament Officers needed. Must have machine gun training Vickers, Lewis Martin.
A	782	1	2/14/18	" Data on course at Fort Sill, graduate and requirements.
A	540	8	12/21/17	" Cadets who graduate from from ground school before Oct. 13, their status and how recommended.
P	610	1B	2/16/18	" No more men to be sent to Italy.
A	800	1	2/17/18	" Coast Artillery men sent to Fort Monroe instead of Fort Sill for training as observers.
A	812	4	2/19/18	" Proposed increase in observers school with proportions men from different services. Approval wanted.
		15		" Men being sent for course of gunnery at school in England.
P	633	2	2/22/18	" What is program for training mechanics on Liberty and sending motors for training them.
A	822	3	2/22/18	" If all planes shipped none will be available for training. Recommend 50 be kept in U.S.
A	741	2C	2/ 6/18	" What training should Armament Officers have? Officer familiar should be sent to US for this.
P	643	3	2/24/18	" Send Fort Sill graduates. Advise number graduates from Feb. 13th to March 15.
P	655	2B	2/28/18	" First 1000 DH and Bristols must be sent to France regardless of training program in U.S. Advanced training can be given here until needs at front are filled.
P	661	2D	3/1 /18	" Ample number of officers here for balloon instruct.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	22		7/ 5/17	TRAINING Authority granted to examine and recommend for commissions, and mode of procedure to be followed.
A	28	1	7/ 9/17	" Material and 200 enlisted men will leave shortly for construction of Aviation School in France.
A	33	8	7/14/17	" " Bill before Congress carries large appropriation for Training. 200 men and material leaving shortly for school in France.
		13		" Cable French statistics on no. flyers and casualties in French Air Service 6 mos.
A	35	2	7/15/17	" Material for school leaving this week.
A	35	2	7/15/17	" Training of pilots at British schools not yet decided upon. Will cable later.
A	40	1	7/20/17	" Italy offers to train 500 pilots.
		10		" 10 Officers, 60 students, 600 mechanics at New York ready to go.
		13		" Expect to get 100 students, 600 mechanics per month at Juneau Alaska. Must take advantage of French and Canadian training.
A	45	5	7/23/17	" 200 men sailed for Aviation Schools.
A	47	16	7/23/17	" Material left Hoboken for construction of Flying Schools in France.
SD	3	1	6/26/17	" Has material for schools left for France?
SD	4	1	6/26/17	" When did 10 trained and 60 untrained pilots leave for France.
SD	6	1	6/26/17	" Send 100 pilots per mo. and 800 mechanics per mo. until schools reach schedule.
				" Very essential to meet programme.
SD	14	1	6/28/17	" LeRhone be used as training plane. Will arrange for samples etc. so you can produce
SD	16	1	6/28/17	" Air Board agrees to train 100 pilots England and 100 Canadian schools continuously. Important to take advantage of this offer.
SD	25	1	6/30/17	" Cable regarding pilots for training in France.
SD	29	1	6/30/17	" Important take advantage Canadian, English and French offers training. Request ans. to P 4, P 6 and P 16.
P	37	3	7/11/17	" 2800 acres assigned to us at Issoudun. Need about 8 miles of railroad.
P	37	10	7/11/17	" Holding vacancies in French flying schools for flyers requested. Have they left?
		13		" Urge advantage be taken of offers of training made by French and English.
P	54	3	7/20/17	" General layout of Issoudun flying fields. Request for personnel.
		1-2		" Disposition of personnel ordered and general scheme of training in France.
A	65	4	7/29/17	" Use allied training to limit. What are recommendations on 200 fliers to Italy.
		6		" Can send 100 men per month with ground school course for training abroad.
A	68	1	7/31/17	" What types planes wanted for advanced trng French say JN&Nieuport, US Says Bristol.
P	78	100	8/ 7/17	" Italy will train 100 per month. Rec. adoption.

BINDER LETTER	CABLE NO.	DATE OF CABLE	PAR. NO.	SUBJECT MATTER:
			101	TRAINING
P	86	8/ 8/17	7	" Push training to limit. Send every available pilot.
			13	" " Again urge use of French, Italian and Eng. Offers to train. Send all possible.
				" " Recommendations for training machines, 1. Curtiss JN, 2. Bristol with LeRhone, 3. Nieuport with LeRhone.
-P	93	8/12/17	2	" " Recommendations Revised Joint Board program
-P	99	8/13/17	2	" " Send 200 Winchester shot guns, shells, clay pigeons and traps.
P	100	8/14/17	1-3	" " Adopt trap shooting as best method shooting training.
P	110	8/18/17	1	" " Machines and instructors here but no mechanics, send 150 at once for Issoudun.
P	115	8/20/17	2	" " French advising use of Nieuport.
P	123	8/23/17	1	" " French offer ship Gnome and Renault for training in U.S.
SD	133	9/28/17	D	" " English offer train 2000 mechanics. Send them
			F	" " Approve training 10 Squadrons in England and 150 cadets in Egypt.
SD	149	9/10/17	3	" " Expanding Issoudun. Lyster needs Draftsmen.
A	102	8/12/17	1	" " Contradiction in numbers of pilots to be trained abroad. How many will be trained and when?
A	134	8/26/17	2	" " Will send 100 pilots per month to England and France starting September.
A	193	9/18/17	4	" " Get good machine gun instructor from RAF to standardize training.
A	204	9/23/17	3	" " Accept French offer train 60 balloon officer
P	163	9/16/17	1-12	" " Think possible send expert U.S. for gunnery.
			2-1	" " Must expand Issoudun, Procure material here.
P	186	9/27/17	4	" " Starting observers school. Send 100 students 30 Photo, 10 radio.
			6	" " Recommend all details training France, Italy and England be handled here.
P	258	10/31/17	4	" " Are students commissioned on completion of primary or finishing training?
P	259	10/31/17		" " British offer training 50 Supply Officers.
SD	189	10/ 3/17	2	" " Must have information what training equipment coming.
SD	193	10/ 9/17	4	" " Students diverted England avoid flooding Italy. Must leave these arrangements to Bolling.
A	246	10/ 5/17	1P	" " Why are students for Italy diverted to England?
A	249	10/ 5/17	3B	" " No equipment ordered except office supplies and material for Carberry.
A	317	10/25/17	10	" " No. hand grenades needed at schools.
A	347	10/31/17	12	" " No further arrangements for foreign training made US. Assign personnel abroad.
A	367	11/ 5/17	9	" " 50 Officers coming for Supply training.
SD	210	10/17/17		" " Gnome LeRhone.Rec.
SD	220	10/23/17		" " British protest US taking training machines for their program.
SD	230	10/29/17	2	" " Arranging school for 500 in Italy. See Bedford re. supplying gas and oil.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:	
A	1012	9	4/ 1/18	TRAINING	Number graduates for week March 23rd
A	1016	IH	4/ 1/18	"	Statement showing duration of balloon observers training will be sent.
P	837	2A	4/ 3/18	"	300 RM's can be accommodated for advanced training with AEF. period 4/15 to 6/1
P	847	ID	4/ 4/18	"	100 observers to be sent without gunnery training. Rest to be held for gunnery.
A	1035	IB	4/ 5/18	"	Armorers will be trained at Fairfield School. data on course.
		11		"	Graduate pilots and observers week ending Mar. 23rd incorrect. Correction made.
A	1080	1	4/12/18	"	When will balloon instructors new in training sail for America.
		IA		"	Observers will be held in US until given gunnery training. Why 100 wanted without it?
		ID		"	Number graduates for week April 6.
		IJ		"	Number and classes of observers which can be expected in France by June 1st.
A	1116	1	4/17/18	"	Number graduates for week of April 13.
P	941	5C	4/18/18	"	Request for observers in 847 is withdrawn and they can finish training in America.
A	1160	2	4/24/18	"	Number graduates for week April 20th.
P	993	4	4/25/18	"	270 squadrons in Air Service program is total personnel authorized. Includes English agreement but not Handley Page agreement.
A	1202	6	5/ 1/18	"	All cadets who graduated on October 20th should be recommended for comm. 2nd. Lieut.
A	1215	3A	5/ 2/18	"	Should 12 clerks for Training Dept. be enlisted or civilians?
		3C		"	Major Robertson N A and Capt. W W Hofman wanted in U S for aerial gunnery school bring data.
P	1032	4	5/ 2/18	"	What squadrons have had mechanics training course.
P	1054	6B	5/ 6/18	"	12 Clerks for Training Dept. should be Enlisted
A	1251	10	5/ 6/18	"	J. S. Drexel wanted in US for Aerial Gunnery School.
P	1067	1	5/ 8/18	"	Fixed price to be paid per pilot for training in Italy.
		IA		"	20 hp. Curtis not wanted for training in France
A	1256	Con.	5/ 8/18	"	Production and forecast on training planes and Eng.
A	1273	52	5/ 9/18	"	Examinations for flyingcomms. to be resumed. Men in A.S. to have preference.
A	1399	IG	5/26/18	"	Capt. Wade & Lt. Blakeman wanted in U.S.
P	1192	9A	5/26/18	"	Mail all training matter in U.S. to AEF
A	1399	1C	5/26/18	"	Suggests replacements M M be sent to Eng. land and AEF draw from there when need in France.
P	1216	3	5/30/18	"	8 officers wanted as instructors.
P	1224	7B	6/ 1/18	"	Sned Medical Board for examining cadets.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
A	843	13	3/ 1/18	TRAINING	31 British officers trained to assist in training personnel wanted in US. Data on qualifications?
A	850	1	3/ 2/18	"	All observers graduating being sent. Those
A	865	9	3/ 6/18	"	Send before May 1st will have ground gunnery only.
A	877	8	3/ 8/18	"	45 Squadrons being trained as repair and service men. Will be trained on Liberty if possible.
A	883	10		"	No more men will be sent to Italy or France
P	692	4A	3/ 8/18	"	Output of RM A,S For March April.
P	693	2	3/ 8/18	"	All squadrons should be sent to England for training as per agreement to maintain 15,000 men in training there, as mechanics.
P	702	1a	3/ 8/18	"	Obtaining of British officers taken up with English.
P	702	4	3/ 9/18	"	Number of observers required and schedule of training observers.
P	908	2C	3/14/18	"	877-R, 8 should read 46 sqdns instead of 45.
P	723	3E	3/14/18	"	England to train 40 armament officers.
P	726	1	3/14/18	"	Status of cadets in France thru lack of training facilities. Rec. all be given temp. commissions.
P	741	3	3/17/18	"	Flyers not sufficiently instructed in map reading and this should be remedied.
P	730	2F	3/15/18	"	Data on officers to be sent by England.
P	742	7B	3/17/18	"	More officers which will be sent by England
A	933	IE	3/17/18	"	Would situation improve if JN4's were shipped for training in France.
A	947	9C	3/21/18	"	Is it advisable to send partially trained observers or hold them in US for gunnery instruction.
P	776	1G	3/23/18	"	What is duration of aerial observation for balloon officers?
P	808	IC	3/29/18	"	15000 men agreement must kept in England for training, after that squadrons may be sent to France. Necessary to draw trained men.
P	822	3C	3/31/18	"	When can aerial observers and fighting observers be expected in France and how many of each?
A	986	1B	3/28/18	"	Information wanted regarding training of mechanics in England.
A	991	IF	3/29/18	"	10 officers Springfield course en route France
A	993	IC	3/29/18	"	150 Armorers cannot come before April 15th.
		1B		"	Number of graduates will fit schedule 702- P-4.
		1B		"	Cadets now receiving 16 hrs. map reading 7 hrs cross country flying. Training will be extended at specialized schools.
P	823	2A	4/ 1/18	"	Tonnage not sufficient to send training plane

BINDER CABLE LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	TRAINING
P	1225	2B	6/ 1/18	TRAINING	Samples of pilot equipment being collected
A	1452	6	6/ 4/18	"	Names of instructors will be cabled. sion
P	1249	IF	6/ 5/18	"	Excess Nieuports absorbed by training exten-
A	1467	2G	6/ 6/18	"	Regulations for training will be mailed.
P	1260	3	6/ 7/18	"	10 Medical officers wanted for training in England. months
A	1486	Con.	6/ 9/18	"	Report production to June 6 and forecast by
P	1286	2	6/11/18	"	2 American and 5 French instructors will sail
P	1293	5A	6/13/18	"	Monthly report planes and squadrons on front and in training. England.
A	1515	4B	6/13/18	"	10 Medical officers coming for training in
A	1515	4C	6/13/18	"	Non coms. being sent to ground school for training.
		4D		"	Carberry states officers were to collect date and send to States for training.
A	1526	5G	6/14/18	"	US wants to interchange high officials every four months.
A	1537	4	6/15/18	"	8 officers who will be sent as Instructors
P	1322	4B	6/17/18	"	590 officers wanted Supply, Adjutant, Pilots
P	1325	6B	6/17/18	"	Can use 200 LeRhone 80 per month until pilots come to AEF faully trained. Using Nieuport and J N planes.
P	1347	5	6/20/18	"	5 older officers like Sanger & Drayton wanted
P	1365	IE	6/24/18	"	Send outline of training also 50 pilots to England per mo. and outline training HP sqdns.
A	1607	10A	6/25/18	"	Cannot agree on one type rotary engine for training. $\frac{1}{2}$ LeRhone production will be shipped
P	1402	3	7/ 1/18	"	Officers will be exchanged with U.S. AEF
A	1642	6	7/ 1/18	"	H.P. squadrons waiting for advice from GHQ
P	1403	3	7/ 2/18	"	Advise number of students under training in U.S. in weekly reports of cadets.
P	1407	4A	7/ 3/18	"	Radio training data and org.tables beingsent
		4C		"	Number of vacancies desired for AEF
A	1656	7	7/ 4/18	"	Outline being sent.
A	1665	15	7/ 4/18	"	No. graduates & under training June 29th
A	1667	4	7/ 5/18	"	No. engines surplus by cancelling Nieuport order.
P	1413	10E	7/ 4/18	"	Report of planes and squadrons overseas
A	1680	29	7/ 6/18	"	Officers who will be sent to AEF from States for training. Substitutes should be sent to U.S. July 6.
A	1695	4	7/11/18	"	Graduates and under training in US week of
A	1696	3	7/11/18	"	Report of status of prod. and training program.
A	1725	3	7/16/18	"	Graduates and under training week July 13th.
P	1489	3C	7/19/18	"	List of officers to be sent to States as instructors.
P	1497	3B	7/22/18	"	What training have HP sqdns had?
A	1759	9	7/22/18	"	Is personnel wanted for ground school or for Aerial Gunnery schools in France?
		11		"	Have ceased training fighting observers.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1768	4 25	7/24/18	TRAINING Report on training in US sent each week. Officers assigned for studh AEF and report to U.S.
A	1770	12	7/24/18	" Should HP radio officers be trained as Pilots
A	1781	13	7/26/18	" Cannot supply all pilots needed. Lack of pursuit.
A	1783	9	7/27/18	" Candidates in training not entitled to increased pay over grade previously held.
A	1789	17	7/29/18	" Are any gun cameras wanted for training?
P	1554	7	8/ 3/18	" No ground school personnel wanted. Send Aerial Gunnery school personnel.
P	1560	4	8/ 6/18	" Ship 100 camera guns.
P	1576	2	8/ 8/18	" Ref. training bombers see 1539-S 8D for answer to 1760-R 5.
P	1577	4	8/ 9/18	" Pilots in 1365 IE intended for HP, should be given night flying training.
A	1831	2	8/10/18	" Aerial Gunnery personnel ordered overseas.
A	1839	1	8/12/18	" Request investigation of Lt. McKay's reported improvements on airplane control.
P	1618	3	8/21/18	" A.S. cannot take over training Art. Radio personnel.
S	33	3B	8/21/18	" Train maximum number of pilots. Can send SE5 planes if it would not disturb Hispano delivery to us.
S	35	6B	8/22/18	" Salmon arrived. Data studied. Outline to be sent. Send 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?
S	50	8	8/26/18	" Continue report on training planes & engines
A	1895	14	8/30/18	" Are 1000 RMA's without gunnery wanted. 15 armorers officers wanted?
P	1643	Con.	8/30/18	" Extend training. Personnel needed urgently.
CA	2	5	8/ 8/18	" Picking out flying field officers.
S	82	IBCDFG	9/ 4/18	" The pilot situation. 1000RMA 's not wanted. but send all pilots available. Send pilot books. Where are bombers? Cadets not wanted.
S	105	6B	9/ 8/18	" Monthly report planes and squadrons.
S	109	3A	9/ 9/18	" Divide balloon companies of 200 in halves and add 70 recruits to each and send here for intensive training.
P	1655	Con.	9/ 3/18	" Personnel priority for October.
CP	172			" Summary personnel wanted during October.
P	1667	2	9/ 7/18	" Cancel 2 Squadrons and send 300 observers and 140 bombers for H.P.
X	55	3	9/ 7/18	" Status production & delivery to Aug. 30th.
A	1905	3	9/ 3/18	" Method of selection and status in A.S. adopted in U.S. same as A.E.F.
P	1678	Con.	9/12/18	" Program of troops for November.
S	131	4	9/14/18	" Send 50 RMA per mo. to England for training
A	1942	5	9/14/18	" Can 12 bombing instructors be spared for HP
P	1701	7	9/18/18	" Priority of personnel for December.
A	1959	6	9/19/18	" Is rotary motor being discontinued? Should mechanics training be stopped?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
X	86	4	9/19/18	TRAINING Not sufficient bombing instructors to send with 3H.P. training depot stations. Can AEP Supply 12 men? Think this duplicates A1942-5.
A	1964	11	9/20/18	" List of officers as wanted in US for specialized schools.
X	92	9	9/23/18	" 1st 50RMAs ordered to England. Send copy training agreement & cable nature of same.
X	94	5	9/21/18	" Estimated flyers to be sent. Number in training and how divided under specialized work.
CA	16	1	8/30/18	" Number students under training 8/22 & graduates weeks of 8/22.
CP	189	Con.	9/21/18	" Summary personnel & item Nos. for Nov. shipment.
A	1976	14	9/24/18	" 6 pursuit pilots & 6 Corps Army observers need for training U.S.
P	1724	7	9/26/18	" Useless to furnish protection to night bombardment planes. Proper training, compasses & good weather requisites.
P	1724	7	9/27/18	" Number of observers at Long Island wanted. Can mechanics be supplied to fit program.
A	1979	9	9/25/18	" F.H. LaGuardia wanted US. for Caproni training.
S	188	5	9/27/18	" Experienced instructors are in England to train night bombardment personnel.
S	191	2B	9/27/18	" Rotary motors still in use. Specialize on Liberty & Hispano for mechanics.
S	191	2C	9/27/18	" RMA for England will be trained $\frac{1}{2}$ pursuit $\frac{1}{2}$ day bombing.
X	110	2	9/26/18	" Electricians trained on telephone work. Separate course for ignition men. Change classification.
A	1995	4	9/28/18	" 2 officers trained on direction finding HP Radio needed U.S. for instructors.
CP	198	Con.	9/28/18	" Item numbers & summary of personnel for December program.
CA	19	10	9/7/18	" Graduates & number in training schools U.S. 8/28.
CA	21	2		" Graduates & number in training schools U.S. 9/5.
S	205	7	9/30/18	" If 12 night bombing instructors needed for States we will provide them.
S	216	3B	10/2/18	" Send 8 deflectoscopes used for reflecting pictures on screen for class work. 9/30.
CS	194	2	10/3/18	" Number officers flyers & non-flyers overseas
X	139	3	10/5/18	" Disregard A 1942-5 Only 15 HP instructors needed.
P	1744	3	10/3/18	" List of officers to return to US. as instructors needed.
		3A		" Shortage of observers and pilots. Recommendations for overcoming it.
P	1753	ID	10/5/18	" Names of officers to be returned as instructors. No more pilots or observers can be spared.
S	256	2F	10/10/18	" Send data on training for voice control formation flying.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
CA	26	3	9/19/18	TRAINING Graduates and in training Sept. 12.
P	1784	1	10/12/18	" Training squadrons 250 men not 161.
S	273	9E	10/12/18	" Send 6 reports weekly on Progress production training and personnel.
A	2053	2	10/14/18	" Reasons for shortage flying personnel and estimated output for future.
S	285	1E	10/14/18	" Report planes and Squadrons on Front Sept.
S	287	6	10/14/18	" 6 Bombers and 2 bombing teams ordered to US Send substitutes like Harvey, Franzheim $\frac{1}{2}$ Von Rosenberg.
X	177	9	10/17/18	" 6 reports progress production and training sent. Are 6 more wanted.
X	183	8	10/18/18	" 6 reports progress prod. & tng. will be sent.
S	323	3	10/22/18	" When will film "Fit to Fight" be sent?
CP	216		10/18/18	" Recommendations concerning grade of JMA and MA. Bad effects of present system.
S	349	4A	10/25/18	" Send all flying personnel to France except 50 RMA's monthly to England.
CX	35	2	10/ 9/18	" Graduates and under training week of Oct. 3
A	2068	16	10/17/18	" Majors Fitzgerald & Christie wanted U.S.
P	1841	10	10/26/18	" Fitzgerald and Christie cannot be spared. Col. Dargue and Lt. Woods on way now.
S	361	4A	10/27/18	" 12 Pursuit pilots being sent to U.S. Request return of Walter Lovell & Walker Ellis.
		4B		" No training or personnel reports received except weekly summary. Is this all issued?
P	1848	Con.	10/28/18	" Personnel priority for January.
S	391	5	11/ 1/18	" Capt. Norton has data qualifi. Engineer offs
S	393	1	11/ 2/18	" Officers overseas October 31.
X	234	6	11/ 2/18	" 6 copies DMA weekly report progress sent in addition to Weekly letter and report to Colonel Hutton.
A	2116	13	10/29/18	" 40 observers wanted for Balloon training.
A	2134	1	11/ 1/18	" Cannot keep up with shipments of troops on priority.
A	2132	8	11/ 1/18	" Suggest trials of 134 pilots be made on 15 M Nieuport.
X	236	6	11/ 2/18	" Will report number flyers ordered overseas every ten days as requested. Figures from June to October.
CA	43	1	10/26/18	" Graduates and under training US Oct. 17.
P	1901	11A	11/16/18	" 3 Capts. being returned to US for pursuit training duty.
CS	328	1	11/17/18	" Flying and non-flying officers in AEF.
CA	44	1	10/29/18	" Graduates and under training week Oct. 24.
A	2216	10	11/18/18	" Authority granted for appointing of JNA's by C in C for Distinguished service in action.
S	497	2A	11/24/18	" Film "Fit to Fight" is wanted.
CA	50	1	11/ 9/18	" Graduates and under training Oct. 31
X	327	6	12/ 6/18	" Film "Fit to Fight" will be sent Dec. 3.
S	550	9	12/ 4/18	" Casualty figures for November.
P	1957	12	12/ 4/18	" Situation permits sending valuable officers for training organization. How many wanted?
CX	60	1		

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:	
X	53	8	9/6/18	TRUCKS: How many light, photo and radio trucks wanted? Data on those in production.	X
CS	122	1	9/11/18	" Supply prospects August 31st.	X
X	73	5	9/14/18	" Instructions given for more careful pecking machinery in trucks.	X
X	77	1	9/16/18	" 6 Machine Shop truck bodies released.	2
S	151	3A	9/19/18	" Requirements lighting photo & radio trucks to January.	2
X	274	7	11/14/18	" MTC has available chassis for mounting hot gas and oil tanks.	X
X	280	7	11/16/18	" No balloon winch trucks floated to date. Estimate 15 Nov. and 15 Dec.	2
X	285	14	11/19/18	" Cost of chartroom trailers is 1500.	2
X	287	4	11/19/18	" 18 electric trucks ready Dec 15th. Are they wanted?	2
CS	334	1	11/21/18	" Supply prospects for Oct. 31st.	X
X	303	4	11/23/18	" Change in specification photo trucks will delay. Advise.	X
S	502	4B	11/25/18	" Requirements MTC unsettled yet.	
S	535	7	12/1/18	" No more photo tracks and trailers wanted.	
A	701	10	1/27/18	TUBING: Will British furnish?	
A	771	5	2/13/18	" Tubing satisfactory except heat treating facilities. Plants being installed.	
P	600	4A	2/14/18	" French wish to avoid change in specifications. Req. substitutes be wired from U.S. for answer.	
P	633	2C	2/22/18	" Steel tubing for Spad and Breguet in 748 RO-1 not acceptable. Send best obtainable.	
		2D		" Send tubing without heat treating.	
		2E		" Breguet needs copper tubing. RUSH	
A	835	1	2/27/18	" Copper tubing for Breguet ordered and shipped soon.	
A	833	6	3/1/18	" 50% below standards.	
		7		" Low standard a/c no heat treating facilities. Can French heat treat?	
		9		" Should tubes be shipped as in?	
P	741	3A	3/17/18	" Tubing 50% below req. should be rejected.	
A	993	1F		" J. G. White will ship as French mission states can be reannealed in France.	
A	1174	1H	4/25/18	" 6,000,000 Breguet tubes docked. Future delivery 500,000 per week.	
A	602	1	1/6/18	TURBINES: Information wanted, Rateau.	
P	494	8	1/15/18	" Waldon has no record Rateau steel.	
A	1169	4	4/25/18	" Battu sends following message to Rateau "U.S. intends to Turbo Blower. Give U.S. Representative all information."	
P	1131	1B	5/17/18	" Rateau refuses to give information until difficulty between Battu and S.C. is adjusted.	

INDEX TO CABLES

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:
X	237	3	11/ 3/18	TRUCKS 20 machine shop trucks shipped Oct. 3. 20 more on October 9.
X	242	1	11/ 5/18	" 20 per month thereafter. Send requirements to June.
S	408	3	11/ 5/18	" Radio truck must have SRC108,99,67,54, 79sets and small oil burner still.
S	409	5A	11/ 5/18	" Send 2hot oil and water Ford trucks per squadron, 180 gallons.
X	255	1	11/ 7/18	" Shipments during period "C" October.
		11		" Air Service space given over to MTC.
CS	313	1	11/ 8/18	" Supply prospects October 15th.
S	441	3B	11/11/18	" Oil and water heaters need whether mounted on trucks or not.
S	439	8A	11/11/18	" Photo truck generators not satisfactory Equipment is oxygen, phone 75, gal gas.
X	265	5	11/12/18	" 200 tank trucks, 2 180gal. tanks per truck, ordered hot and gas.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
CX	60	1	11/19/18	TRAINING	U.S. desires report of summary A.S. activities in France, training aces, etc.
A	2144	4	11/ 4/18	"	Request casualty report flyers, October and monthly thereafter.
CX	40	7	10/22/18	"	Training as given in voice control flying dill, etc.
P	1870	1A	15/ 5/18	"	Item no. for cadets for observer training in A 1207 -X.
X	252	13	11/ 7/18	"	Is film "Fit to Fly" meant?
S	432	3A	11/ 9/18	"	Casualty report flyers for October.
P	1874	1	11/ 7/18	"	Organization and training of HP crew.
P	1877		11/ 7/18	"	C. in C. denies rumor that US pilots with English not trained sufficiently.
A	2158	5	11/ 7/18	"	3 Capts. and 1 Lieut. wanted in US for Pursuit training.
P	1883	2	11/10/18	"	Cadets for observer training in France urgently needed.
S	65	4	8/30/18	TRIGGER MOTORS	Spad trigger motor for Browning sent. Ship Nelsons if Spad not available.
P	947	1A	4/11/18	TROLLEYS	Procureable in France in limited numbers.
A	1119	1B	4/18/18	TROY	Packard & Troy trucks & Trailers floated.
A	495	10	12/10/17	TROOPS	Priority const. Sqds 22.
P	891		4/12/18	"	10 paragraphs. Priority schedule as wanted by Gen. Pershing.
P	1713	1	9/21/18	"	Monthly shipping phase of troops combatant and SOS to June 1919.
A	455	2	1/ 6/18	"	Lists shortages of equipment required.
A	9		6/ /17	TRUCKS	Are 1 1/2, 2 or 3 tons units standardized for use Air Squadrons? What proportions each?
P	62	4	7/26/17	"	Recommend substitution of 3-5tons trucks for present 1 and 1 1/2 ton trucks for aero squadrons;
A	66	1	7/29/17	"	3 & 5 ton trucks for squadrons.
P	104	1	8/17/17	"	Recommendations on trucks, water tanks and trailers for Air Service.
P	3	2-9	9/12/17	"	All motors should have touring couplings front and rear.
A	172	5	9/14/17	"	94 Jefferys shipped.
A		4-2		"	Send number and seizes trucks per squadron.
A	225	4-5	9/30/17	"	Cannot secure early delivery Whites and Packards, Balloon trucks held up.
P	175		9/22/17	"	Vehicles arrive improperly marked, instruction.
P	182	1	9/19/17	"	Amount of transportation allowed each balloon company.
P	189	1	9/28/17	"	Data on offer of First Co. for supply trucks.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	204	6	10/ 5/17	TRUCKS Purchasing enough Fiat for balloon companies. Arrangements made for 8 companies.
SD	205		10/12/17	" Fiat makes offer to supply number of trucks.
A	306	4	10/22/17	" Shipped during week of Oct. 22
A	336	2	10/29/17	" How many machine shop trucks per squadron.
A	359	3	11/ 5/17	" Send sample steel wheels and sizes
SD	235	1	10/31/17	" Re size tires and wheels for trucks.
SD	245	2	11/ 6/17	" Request what transportation coming for Air Service.
P	338	3	12/ 3/17	" Balloon supplies available here and those to be sent from U.S?
SD	253	4	11/ 8/17	" 2 shop trucks units per squadron. What transportation shipped?
SD	253	2	11/ 9/17	" Samples pressed steel wheels sent
SD	277	3	11/23/17	" Steel wheels made by Hydraulic Co. Use 34 x 4 1/2 size.
SD	300	2	12/.7/17	" Hew many 1 1/2 ton trucks shipped November.
		9		" Specifications of trailers, kitchens etc.
A	396	6	11/15/17	" Estimated deliveries Air Service Trucks.
A	303	3	11/18/17	" Q.M. reports attempt to place orders for truck bodies direct. Requirements must come to Dept. concerned with supply.
A	523	1	12/17/17	" No light or heavy shipped in Nov. 600 each in December.
A	481	4	12/ 7/17	" Q.M.will furnish gasoline for Air dromes. Tank trucks for S.C.
A	491	3	12/10/17	" Bead clinches tires. American clinches tires; pneumatic clinches tires, Dual type tires.
A	530	5	12/20/17	" Info. wanted in wastage of trucks.
A	534	9	12/18/17	" Coming with 8 balloon companies.
A	672	2	1/22/18	" Data on tires and wheels, spare parts which should accompany.
P	529	6A	1/24/18	" Data wanted shipping dates of machine shop trucks.
A	703	1E	1/28/17	" Equipment now being furnished for machine shop trucks. Deliveries in 60 days.
P	572	5	2/ 5/18	" Number ordered, ready shipped, and expected wanted of all kinds trucks and trailers and touring cars.
A	745	2	2/ 7/18	" Conflication of requirements per squadron. Do machine shop trucks repair airplane engines?
A	764	2	2/11/18	" Number wanted of photo trucks and trailers required.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:	
A	1185	3G	5/24/18	TRUCKS Instruction books & catalogs Aviation trucks wanted.	20 X
A	1399	1 1A	5/26/18	" Bulletins of Aero Technique wanted " Lt.Col.George and assist will be sent for M T work	X X
A	1419	5	5/28/18	" 40 Gray tractors being bought. Wire priority.	X
P	1213	IE	5/30/18	" Priority schedule for July & August.	2
A	1432	4B	5/31/18	" How many photo trucks wanted in France.	2
P	1217	1G	5/31/18	" Receipts from foreign sources for May 15th.	X
A	1440	10	6/ 2/18	" Data on spare parts, extras, tires.	X
P	1256	9	6/ 6/18	" Ship spare tanks and cans, fill if practicable.	X
P	1260	8	6/ 7/18	" Ship 6 photo trucks with spares.	2
P	1271	2	6/ 8/18	" I radio truck per squadron per 18 planes.	20
P	1287	6	6/11/18	" Ship Gray tractors.	2
P	1311	3E	6/15/18	" Will machine shop trucks be equipped with tools as per manual.	2
A	1555	11	6/18/18	" Small tools will come with machine shop trucks.	X
P	1340	IF	6/19/18	" Supply prospects May 31st.	
A	1589	10	6/22/18	" Est.dates of March.Shop trucks shipment. Will have tools.	X
A	1612	8	6/26/18	" How many photo trucks wanted immediately.	X
P	1278	3F	6/27/18	" Supply prospects as of June 15th.	
P	1386	11B	6/28/18	" 7500000 wanted by Lt.Bongiorno for Fiat trucks.	X
P	1390	3	6/29/18	" Send details machine shop trucks and tools for it.	2
A	1667	3E	7/ 5/18	" Capt. Waterman sailing with details of machine shop trucks.	2
P	1047	1	5/ 3/18	" Recommend Eclipse trailer kitchens.	2
A	1695	9	7/11/18	" Will ship 6 photo trucks.	
A	1699	7C	7/11/18	" How many photo trucks received.	
P	1467	1	7/15/18	" Supply prospects as of June 30th.	2
P	1501	6A	7/23/18	" 6 photo trucks arrived.	X
A	1790	8	7/29/18	" Were photo trucks complete.	
P	CC55	1	7/29/18	" Supply prospects as of July 15th.	A
A	1813	13A	8/ 5/18	" Estimates of floatations foe Sept.	
P	1571	3C	8/ 7/18	" 4 photo trucks and trailers ready except dark room.	X
P	1578	1	8/ 9/18	" Req.specs of all auto rolling stock produced.	X
P	5082	1	8/1 0/18	" Supply prospects July 31st.	
S	19	7D	7/ 17/18	" Ship 6 chart trailers in place of 10 two wheel platform body trailers. Advise how many are available for floating	20 X
X	11	2B	8/20/18	" Eng.Sec. is preparing specifications of Motor Rolling stock.	2
S	30	3J	8/20/18	" 15 machine shop trucks arrived with out tools. 50 more wanted. Send tools	2

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLES	SUBJECT MATTER:	REMARKS
CS	65	1	8/25/18	TRUCKS Supply prospects as of August 15th.	
X	29	6	8/28/18	" Trailers orders being investigated.	
X	35	6	8/29/18	" Shite 2-ton trucks to replace light aviation.	
X	36	2A	8/30/18	" Shipment machine shop trucks and tool	
		2B		" Chart trailers in S 19 7d not understood.	
		2C		" Chart room trailer are for Ballon Section.	
S	86	3A	9/ 5/18	" Cable boat and date sailing machine shops.	
S	105	6A	9/ 8/18	" More care shouldbe taken in packing as parts are broken and some missing.	
X	83	1A	9/18/18	" 136 Chart room trailer ordered.	
X	84	7	9/18/18	" Capt. Sweet's report recommend G.M.C. Model 16 for AS, standard truck.	
X	85	3	9/19/18	" 40 Machine shop trucks at Newport New	
S	183	9B	9/26/18	" Send 5 switchboards for generator set in machine shop trucks.	
CS	176	1	9/29/18	" Supply prospects Sept. 15.	
S	164	6	9/22/18	" Necessary orders must be placed to keep Ordnance up to division schedual	
S	196	5	9/28/18	" List of parts needed to replace broker sets in machine shop trucks.	
X	104	8	9/25/18	" Ordnance estimate wrong. Must include all divisions.	
X	113	3	9/27/18	" Promised shipment radio and Field lighting trucks.	
X	113	5	9/27/18	" 2 complete mach shop trucks shipped 5 June, 5 July, 15 August.	
X	122	5	9/30/18	" Floatations photo trucks to date & future program.	
S	198	3	9/29/18	" Send 1472 light trucks & complete AS program with G.M.C. - 16.	
S	210	5B	10/ 1/18	" How many machine shop trucks bodies complete with tool equipment floated?	
S	218	7	10/ 3/18	" X36-2A at varience with X85-3 shipments. Advise correct status machine shop trucks.	
S	230	5	10/ 6/18	" Advise floatation chartroom trailers.	
X	134	2	10/ 4/18	" Material requisitioned to supply leak age machine shop truck equipment.	
A	2054	1	10/15/18	" Short space for Nov. Shipment. Send revised priority for all bulky material such as, planes, transportation, etc.	
X	164	6	10/14/18	" Status floatation of light aviation trucks.	
X	169	3	10/15/18	" 60 machine shop truck bodies complete shipped.	
P	1814	Con.	10/19/18	" Reductions and recommendation regarding bulky material for Nov. Shipment	
CS	253	1	10/19/18	" Supply prospects for Sept. 30th.	
X	207	2	10/25/18	" Chartroom trailers being expedited.	
A	2103	17	10/25/18	" Developement radio trucks nearing completion 100 per month by January.	
S	378	2	10/30/18	" Forecast of all vehicle requirements Feb. to June.	
S	402	5C	11/ 4/18	" What is cost of chartroom trailers?	

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	764	5	2/11/18	TRUCKS Amount and order shipped awaiting shipment and program of future delivery all kinds.
P	635	4	2/23/18	" Machine shop trucks repair both planes and autos. 2 truck per Squad.
A	817	2	2/22/18	" If H.Q. company is to be formed in US 3-ton trucks will have to be used in stead of 4-ton.
A	822	4	2/23/18	" No. water trailers and machine shop trailers per squadron. Have been ordered.
		4A		" 600 bodies ordered for carrying gasoline drums. All bodies ordered will fit chassis.
P	651	2	2/26/18	" What action taken on altercation tractor sets.
A	835	IB	2/27/18	" Straight side and clincher tires information.
A	855	4D	3/ 3/18	" 1 machine shop truck for each squadron will be supplied. Is this correct?
P	677	5	3/ 5/18	" 3-ton truck satisfactory in lieu of 4-ton app.
P	692	2A	3/ 8/18	" 1 water tank, 2 machine shop and 2 spare part trailers for every service squadron.
A	947	9B	3/21/18	" Spare parts will be made in accordance with 726, IA and letter.
P	706	1B	3/11/18	" Machine shop trucks for service squadrons only.
A	910	6	3/14/18	" Capt. Slade ordered to report for duty
P	726	IA	3/14/18	" Detail of spare parts.
A	796	5	2/17/18	" Correction wanted on letter Jan. 2nd. sub.sp.parts.
P	742	7D	3/17/18	" 796 A.p.5 referred to Air Service by C.O.O.
A	933	IA	3/17/18	" Will motor transport be included for carpenters and laborers, etc.
		IF		" Infor. wanted on aviation field lighting trucks?
P	799	1	3/28/18	" Information wanted on Cadillac ship.
P	819	9A	3/31/18	" Will motor transportation be shipped as per tonnage schedule?
A	974	IA	3/29/18	" Capt. Slade and Lt. Church will sail, bring drawings from Capt. Colt.
A	1025	1	4/ 3/18	" Outline situation regarding supplies and accessories. Infor. wanted on same.
P	837	2	4/ 3/18	" Are laboratory trucks included for Air Service. If so rec. equipped with electric plant.
P	841		4/ 3/18	" Motor transportation should be furnished for construction squadrons, carpenters bricklayers and laborers.
A	1035	IH	4/ 5/18	" 15 Cadillacs shipped Mar. 22 and 16on March 23.

BINDER CABLE LETTER	NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	862	B	4/ 7/18	TRUCKS Disregard former tire cables. Present size wanted.
A	1054	4	4/ 7/18	" Ford chassis and trailers shipped to radical equipment.
A	1062	IF	4/ 8/18	" List of motor transportation to be shipped April
A	1080	IA	4/12/18	" 2 wheel trailers not ready. 4 wheel will be substituted.
A	1047		4/ 7/18	" 12 gasoline trucks floated March 15th.
A	1094	IA	4/14/18	" How much wastage per month for motor transportation per squadron.
		IB		" 1 photo truck and trailer per section
A	1094	IJ	4/14/18	" Shipping schedule.
				" No orders to be placed until 1025-1 is answered regarding spare parts and accessories.
P	958	2C	4/20/18	" Weekly reports wanted on orders for spare parts.
A	1119	IB	4/18/18	" Packard & Troy trucks and trailers floated.
P	1012	8	4/29/18	" Catalogs of spare parts wanted, manual
P	1025	5	5/ 1/18	" Data on field lighting trucks wanted.
P	1069	2C	5/ 7/18	" Spare parts for trailers to be shipped Air Service transportation. Motor AEF; All shipments to be shipped direct to Air Service.
A	1253	1	5/ 8/18	" Tonnage shipped during April.
A	1273	5L	5/ 9/18	" Grades of oil of NECO, and use of each
P	1032	4A	5/ 4/18	" Rear bumper bracket of Liberty truck is cast iron, breaks and should be forgings.
A	1274	I	5/11/18	" No liberty Motor truck known here. Who is Maker?
A	1287	IG	5/11/18	" Data on field lighting equipment and trucks which will be sent.
P	1102	2H	5/13/18	" Data on tanks for oxygen and supply per squadron. Tank should be mounted on trucks.
A	1332	4	5/16/18	" Do ballon Cos. and other organization require for wheel drive trucks.
P	1131	ID	5/17/18	" Liberty trucks made of standard parts by G.M.C. & Co.
P	1143	3	5/19/18	" No, cancelled on May priority.
P	1146	IG	5/18/18	" Receipts from foreign sources for App
A	1363	11	5/21/18	" Suggestions for new motor lorry for radio.
P	1172	4	5/23/18	" Spars parts wanted for Fords, Dodge Cadillac, etc.
P	1174	ID	5/23/18	" Ballon sectionally will use 4 wheel DRIVE TRUCKS;
P	1168	1E	5/24/18	" Tonnage priority for June.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1016	1B	4/1/18	<u>UNITED ALLOYED STEEL CORP.</u> 132 tons hub steel ordered here.
A	1823		8/9/18	<u>UNITED STATES ARMY</u> Regular Army, National Guard, National Army and Reserve Corps to be all combined in one Army.
P	1309	1	6/14/18	<u>UNITED STATES STEEL CO.</u> Req. shipment of steel cable for Caproni by exprd.
A	1585	8	6/21/18	" " " Above shipped.
S	28	5B	8/19/18	<u>UNIVERSAL</u> Send 5000 Universal nozzles for tire pumps
X	30	8	8/27/18	" Cannot locate Universal nozzles
S	87	4B	9/5/18	" Are for pump connections, used as valve stems.
S	199	6B	9/30/18	" Are used in garages for different sized pumps
X	152	2	10/10/18	" Universal nozzles being obtained
A	1872	5	8/23/18	<u>UNNE</u> French want 5000 Canton Unne engines from US. Should half production be reserved for us. Investigating. Will report.
S	105	6C	9/8/18	" French say sample was received at Dayton and little interest shown.
S	144	4B	9/17/18	"
X	92	8	9/23/18	<u>U S B 1</u> (Bristol with 300 Hispano) Are Michelin flares wanted on observation planes.
X	127	11	10/2/18	" " " DH - Bristol - U S B 1. Order placed for 2000. Performance will exceed Rolls Royce Bristol
A	646	3	1/18/18	<u>U.S. BEARING CO.</u> Purchasing bearings from.
CF	99	1	9/1/18	<u>U S D</u> Basis for gas and oil consumption
X	115	6	9/27/18	" USD 9 will not be built, USD 9 A gas capacity and consumption
X	129	5	10/2/18	" Performance USD 9 A in test equipped without camera and radio
X	161	3	10/11/18	" Report of test of USD 9 A with load.
X	216	10	10/28/18	" Will equip USD 9 A with Folmer
X	274	13	11/14/18	" Is sample USD 9 A wanted now.
X	307	1	11/23/18	" 2 samples sent to AEC for tests. Send to Villacoublay and acknowledge receipt.
S	501	3A	11/25/18	" x Make experiments with 37 mm cannon on USD 9 A.
S	639	4	12/2/18	" Not convenient to test here. Is there any objection to shipping back.
CX	64	4	11/26/18	" U.S.D. 9 A has door in fuselage for Michelin 7th AIC bomb sight.
X	340	3	12/7/18	" Return 2 samples USD 9 A from AEC # 2 to McCook Field.
P	1573	1J	8/8/18	<u>U S D 9</u> Rec. they be equipped with 15 gal. tank
X	6	6	8/16/18	" Sufficient oil tank capacity to be provided.
S	226	6	10/4/18	# Capt. Proctor's report states USD 9 built to carry DeRam camera Request information.

(U & V)
BINDER
LETTERCABLE
NO.PAR.
NO.DATE OF
CABLE

SUBJECT MATTER:

LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
X	158	5	10/11/18	<u>USD 9</u> USD 9 built to carry DeRam or Film camera
S	331	6	10/23/18	" Send the photo planes and two USD 9 A for tests and criticisms.
X	258	9	11/7/18	" USD 9 being sent, 2nd in 10 days Capt Bragg.
S	434	6D	11/9/18	" Build USD 9 with door in fuselage for 7th A.I.C. bomb sight.
P	697	1J	3/8/18	<u>USINESS DU RHONE</u> Their dope is the best.
P	776	1	3/25/18	" " Has contract been made with them for dope.
CS	72	1	8/26/18	<u>VALERIE PROPELLERS</u> Data on propellers, glue, plywood etc.
A	1837	2	8/13/18	<u>VARNISH</u> British practice wanted on use of pigments varnish on plane surfaces.
A	703	9	1/28/18	<u>VENTURI TUBES</u> Details for gauges for DH and Bristols
P	452	2D	1/6/18	<u>VERY PISTOLS</u> Information wanted.
P	574	4C	1/6/18	" " Drawings and sample Very pistol and ammunition will be sent.
A	686	10	1/25/18	" " Questions on Very automatics, that are answered by Ordnance.
X	176	10	10/16/18	" " How many cartridges for Very pistols carried on planes.
S	349	7	10/25/18	" " Carry about 12 cartridges per trip.
A	10	5	7/11/17	<u>VICKERS</u> Vickers machine gun question held up. Putting men on question immediately.
A	40	11	7/20/18	" Do not expect to use Vickers for our air plane use. Will use Browning.
A	47	3	7/23/18	" Our report that Colt had made Vickers with Synchronizing device was in error.
E	10	1	6/28/18	" Vickers always used for synchronized firing America must build large quantity.
E	21	1	7/9/18	" Great need for Vickers guns. Suggest diversion those being produced by Colt, Russia
E	30	1	7/1/18	" Constantinesco synch. mechanism samples for Vickers for different engines will be sent.
P	37	6	7/11/18	" Recommend you produce as many Vickers machine guns as possible
		13		" Must have as many Vickers and Lewis as possible.
P	41	2	7/14/18	" 2 synch. Vickers each plane. Proportion Vickers need to Lewis is 2 to 1.
P	44	9	7/16/18	" Request greatest number possible for US. Will need 3 synchronized on each plane.
A	78	3	8/5/18	" Ordnance prefers Browning to Vickers.
A	80	1	8/6/18	" Estimated production program.

BINER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
A	91	3	8/9/18	<u>VICKERS</u>	Difficult to increase production Vickers
P	78	100	8/7/18	"	" Recommend adoption of Vickers with Constantinesco synchronizers.
P	100	1-1	8/14/18	"	" Aviation requirements Vickers & Lewis guns
P	123	4	8/24/18	"	Estimated needs Lewis and Vickers
A	105	6	8/13/18	"	" Can get Browning easier than Vickers.
A	115		8/20/18	"	U.S. supply Vickers uncertain.
A	127	13	8/25/18	"	" Estimated production to June 1918.
A	178	2	9/16/18	"	Plan of distribution of output.
P	187	3	9/27/18	"	Ship one gun to mount on plane. Do not accumulate.
P	244	7	10/23/18	"	Spec. Vickers tripod, traverse and mount
P	251	3D	10/28/18	"	125 tripods needed.
ED	183		9/29/18	"	" Send summary delivery dates. How about spare.
SD	198	1	10/10/18	"	Do not convert Vickers factory to Browning. Vickers more successful.
A	282	1	10/14/18	"	Vickers will be shipped 5000 per month
A	294	2	10/18/18	"	" Data wanted on scales, tripods.
A	300	5	10/18/18	"	France will furnish 1000 Hotchkiss to replace Vickers for Air Service.
SD	248	8	11/6/18	"	" Send 300 Vickers. Will use British ammunition until U.S. arrives.
P	276	2A	11/8/18	"	Send drawings guns and all parts.
E	258	2D		"	Requirements for Air Service by months
		3	11/13/18	"	" Capt. Raymond coming with data on shooting balloons with Vickers.
SD	293	4	12/3/18	"	What is best estimate monthly shipment
A	469	1	12/3/18	"	" Schedule of deliveries to June.
A	675	5	3/4/18	"	Being shipped to be altered on arrival
A	748	3	2/8/18	"	" Amt. shipped to date 550 at port can be modified.
P	421	2	11/21/17	"	" We have arranged to keep part of 1000 Vickers guns ceded to the French.
P	492	2C	11/29/17	"	Shipment made, data on its use.
A	469	1	12/3/17	"	" Deliveries in U.S. Vickers, Lewis, Marlin Aircraft machine guns.
A	491	4	1/14/18	"	Oct. 500, Nov. 150, Dec. 1250 Complete
A	543	4	12/23/17	"	" Schedule to June cabled General Pershing
				"	" Designed to take 11 millimeters incendiary bullets. Have French expert sent with sample.
P	419	2B	11/20/17	"	" French are adopting. Samples and drawings will be sent.
A	546	5	1/28/17	"	" For 11 millimeter bullets in U.S.
				"	" Desvigne bullets should be sent by messenger on next boat.
P	589	5	2/11/18	"	1 month required to alter 552 recd.
P	614	8B	2/18/18	"	" 228 delivered to French.
A	833	32	3/1/18	"	" Heat traced Vickers links better than French. Rush production.
				"	" Complete sets for 1000 planes to be shipped beginnin March. Will be Marlin's added to Vickers already shipped.
P	691	7D	3/7/18	"	" Vickers being divided 50/50 with French. Expedite deliveries.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	702	1A	3/9/18	VICKERS: When can Sargent Links be shipped for Vickers guns.
A	912	1	3/14/18	" Estimated deliveries. 1850 shipped 500 at port
A	933	1D	3/17/18	" 1200 ordered for U.S. shipments 750 per month. None arranged for French yet.
A	919	6C	3/15/18	" No Vickers links shipped yet. Estimated April May and June.
A	984	1L	3/27/18	" Lt. Erue coming with 34,000 links. Schedule of link shipments to June 1st.
A	984	1L	3/27/18	" General Staff has decided not to alter. If alterations are wanted it can be done in U.S.
A	988	1	3/27/18	" 300 Vickers floated. 825 more docked
A	999	1N	3/29/18	" Present delivery Vickers 50 per day 11 mm can be produced. Exchange of Vickers for Hotchkiss not required as Marlin will be used on Renault tanks.
P	823	2	4/1/18	" Are Vickers guns in 912-RI equipped with trigger for Spad, gear and water cooling jacket.
P	715	2	3/11/18	" Are Russian Vickers for Desvigne cartridges to be exchanged for Hotchkiss.
P	743	5	3/18/18	" French willing to exchange Hotchkiss for Vickers.
P	912	1	4/13/18	" Changing of Vickers to 11mm must proceed rapidly. Schedule wanted.
P	922	1A	4/15/18	" After 1st 4000 are shipped, rest should be altered.
A	1115	2F	4/15/18	" Vickers will be used for Air Service only. Water jacket not necessary.
A	1154	6	4/17/18	" No changes being made in Vickers. 500 Spad trigger motors freighted to change in France.
A	1154	1K	4/24/18	" Russian Vickers now being changed. Ballist requirements on 50 caliber by John Browning.
A	1181	1	4/26/18	" 5 converted Vickers will be shipped
A	1203	1B	4/30/18	" Inf. will be equipped with Vickers to June 1st. Air Service gets them after that.
A	1233	1D	5/4/18	" a/c troop shipments, Vickers for Air Service available after July 1.
A	1254	1B	5/6/18	" Shipments for April 4, 325.
A	1261	6B	5/6/18	" Brief report wanted on serviceability
P	1164	4	5/22/18	" Trouble with new Vickers. Cuts buller jacket. Barrel should be enlarged
A	1428	2	5/30/18	" Vickers 11 mm shipments.
P	1123	1	5/16/18	" Will divisions be equipped with Vickers. Change for Air Service will delay.
P	1263	14	6/7/18	" Results of tests 11 mm Vickers guns and ammunition.
P	1286	4	6/11/18	" Results of Vickers links tests. Must be inspected better.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
P	1286	4A	6/11/18	VICKERS: New French device for speeding up Vickers
A	1515	8	6/13/18	" Spares will be expedited
P	1322	2	6/17/18	" Will A.S.Vickers be modified in US
P	1327	6	6/18/18	" Working in Vickers shows many defects.
P	1343	1	6/19/18	" Requirements of ammunition July '18 to March 1919.
P	1349	4B	6/21/18	" What was cost of Vickers links for Embarkation.
A	1601	8A	6/25/18	" How many Vickers were tested for defects.
		8D		" 4300 Vickers will be modified in US.
P	1403	4	7/2/18	" Ship 100 speeding up devices for Vickers
P	1418	1A	7/5/18	" Shall all Vickers be used for Air Service or shall they be held for 2nd and 4th Corps.
A	1753	6	7/20/18	" Distribution Vickers for July to December.
A	1760	11C	7/22/18	" Vickers production begins Aug. 60 per day
P	1505	6	7/24/18	" Mark with blue band for aircraft
P	1534	30	7/29/18	" Ship Spad triggers for Vickers guns
P	1552	5	8/2/18	" Vickers wanted pending arrival Browning. Requirements
A	1809	2A	8/3/18	" Vickers cannot be used without stopping production
P	98	2	8/5/18	" Charts and books wanted.
A	1826	1G	8/9/18	" Data wanted on new Cowl mount for Vickers. & Marlin.
SOS	1	2	8/9/18	" When can 1000 Vickers heaters be shipped.
SOS	3	5k	8/10/18	" What modified Vickers have been shipped and how many will be shipped in August.
X	3	3	8/14/18	" Del. of modified Vickers. In future all to be modified.
CP	98	2	8/6/18	" 100 sets of charts wanted.
X	6	1	8/16/18	" 1000 heaters for Vickers wanted.
				" Est. Production of trigger motors for Vickers.
S	20	7A	8/18/18	" Send report of shipments by cable.
S	21	3	8/18/18	" Meeting favors Vickers. 4300 wanted
		5B		" Advise of deliveries. Schedule has not been met.
S	23	2	8/19/18	" Speed up adapters, sights, tripods mounts.
S	30	2	8/20/18	" Supply heaters for Vickers, Marlin and Lewis.
X	14	1K	8/20/18	" Data on orders and deliveries.
X	25	1	8/24/18	" All guns shipped Avia. depot, none mounted on planes. Data on trigger motors etc.
X	27	2	8/28/18	" Heaters will be sent.
S	91	2B	9/5/18	" Requirements never limited to 1200 Total available wanted in preference.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
X	45	3	9/4/18	<u>VICKERS:</u> Shipments week Aug. 31.
X	61	6	9/10/18	" Shipments week Sept. 7.
X	64	1C	9/11/18	" Data on Cyghet mounts for Air Service
X	69	4C	9/13/18	" 162 heaters ordered for Marlin Vickers and Lewis.
X	72	1	9/13/18	" 6000.30 ordered.
X	79	1D	9/17/18	" 50,000 Vickers links released by express.
X	85	5	9/19/18	" Estimate factory production Browning Marlin, Vickers, Lewis August to Mch
CX	9	12	9/7/18	" Charts on Vickers, Marlin & Browning in 3 weeks.
X	112	1A	9/26/18	" 1 pr 2 lb. cannon needed for balloon defense.
S	199	4	9/30/18	" Do not chance 30 Vickers tl 11 mm.
S	201	1	9/30/18	" Ship Browning & Vickers all speed.
X	138	2	10/5/18	" Ship 100 heaters for Marlin, Vickers Lewis.
S	235	2	10/7/18	" What electric equipment needed to connect Vickers heaters.
X	154	1C	10/10/18	" Discontinue shipping spare barrels 47,500 Vickers links shipped, balance being expedited.
X	158	10	10/11/18	" 18 volt heaters to have priority over others.
X	165	5C	10/14/18	" 39 mm. Vickers ammunition received
S	310	2	10/18/18	" Send 1000 16 volt gun heaters for Vickers
X	194	13	10/22/18	" Will stop shipment of extra barrels as spares.
X	214	1Q	10/28/18	" Water cooled barrels on hand and shipped.
X	221	13	10/30/18	" How many Vickers 30 converted for Air Service.
X	228	5	10/31/18	" Gun heaters flotations October.
X	250	7	11/7/18	" 2500 Vickers 11 mm. liquidators shod
S	431	2B	11/9/18	" 2911 Vickers. 30 have been converted to A.S.
F	913	1F	4/14/18	" Beingsent to US as single seater fighter Uses Rolls Royce or Lorraine Dietrich engine.
P	916	9A	4/15/18	" Vickers plane being sent for Liberty
P	933	4C	4/17/18	" 3 Liberties wanted at once in England for test in Vickers Vimy.
F	958	2D	4/20/18	" Built for Lorraine Engine.
A	1399	1D	5/26/18	" Has single seater been shipped.
P	1204	2D	5/28/18	" Awaiting action of board before shipping to U.S.
P	1249	1E	6/5/18	" Awaiting action before shipping sample to U.S.
A	1709	1B	7/13/18	" Sample wanted.
P	1520	3C	7/27/18	" Not advisable to produce.
CS	72	1A	8/26/18	" Will be tested with Liberty. Predict superior to Handley Page.
X	30	7	8/24/18	" Shipments week August 24.
A	1504	1B	6/12/18	<u>VOIGHT PLANE</u> 180 Hispano to be tried in Voight hot JN Will this report be sufficient

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:	
P	749	5D	3/20/17	<u>VOISIN</u>	Status of foreign orders
P	869	6B	4/8/18	"	Statement of foreign deliveries to March 28th.
P	889	3	4/11/18	"	Report of state of completion for Liberty.
P	903	2F	4/13/18	"	Voisin plans to take 2 Liberties in place of 4 Hispano.
P	424	5A	12/29/17	<u>WALNUT</u>	Urge every possible means of increase
P	474	1	1/10/18	"	Shipping dates requested.
A	608	1	1/8/18	"	Supply information later
A	640	2	1/17/18	"	Total estimate available
A	645	3	1/18/18	"	Amt. of propeller wood delivered for export
A	822	5	2/23/18	"	Used interchangeably with mahogany and cherries for props. with mahog.
A	833	14	3/1/18	"	Situation on Spad walnut.
A	924		3/16/18	"	Data on shipments of
S	571	5A	12/7/18	<u>WASP</u>	ABC wasp never in production
				"	experiment stopped H.B. Pobson has all data. Is was still desired in view of this.
X	351	12	12/13/18	"	Understand in U.S. that 70 ABC Wasps built. Request procure 2 if possible.
S	758	5	1/6/18	"	Order placed for 2 ABC Wasps if procurable.
A	1413	1D	5/30/18	<u>WATSON WAGONS</u>	Should Watson wagons be bought on Huntington requirements.
P	1287	6	6/11/18	"	Ship Watson dump wagons
A	1589	8	6/22/18	"	Dump wagons will be shipped.
A	1515	4E	6/13/18	<u>WELLINGTON SEARS</u>	Is Bromide or Wellington paper wanted
P	1345	12B	6/20/18	"	No Bromide or Wellington paper on hand
A	249	5B	10/7/18	<u>WESTINGHOUSE</u>	Contracts made with them to manufacture LeRhone.
A	369	4	11/6/18	"	Want McPhearson to assist in manufacture of LeRhone.
A	764	9	2/11/18	<u>WHEELBARROWS</u>	Shovels, pick axes and wheelbarrows being shipped U.S. has no information on tool situation in Europe
P	1339	4A	6/19/18	"	Ship no more for Air Service. Can be obtained here.
A	974	1G	3/25/18	<u>WHEELS</u>	When were RAF wheels shipped
A	1308	1B	5/14/18	"	6 sets wires and wheels not received. Trace.
P	831	5B	4/1/18	"	3 sets wheels and tires shipped.
P	1197	4C	5/27/18	"	6 sets HP wheels shipped Cunnop & Guthrie 4/29/ addressed C.O. Cook Field.
P	115	3	8/20/18	<u>WHITE, J.G.</u>	Vail brings all data on tools. Give to J.G. White
A	149	2	9/2/18	"	Vails lists to be given to J.G. White at once.
A	209	11	9/23/18	"	Agreements drawn up strengthen hold over French manufacturers.
A	223	2-5	9/29/18	"	Cable shipping instructions for all tools and machinery.
A	306	1	10/22/18	"	Will mail weekly report of progress.
A	315	3	10/25/18	"	Ocuppaugh has list steel parts for White is he authorized.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	315	5	10/25/18	WHITE, J.G. Estimates shipments Oct. to Jan
A	330	1	10/27/18	" Ocumpaugh lists differ from J.G. White lists
A	359	1	11/5/18	" Shall J.G. White list be changed to agree with Ocumpaugh.
SD	217	1	10/22/18	" Mail list each week of material ordered and cable when shipped
SD	224	6	10/24/18	" Ocumpaugh steel expert has additional information.
SD	237	5	11/2/18	" Ocumpaugh list has corrections of Vail list.
SD	281	2	11/24/18	" Directions for marking J.G.W. material
SD	284	4	11/28/18	" Sned J.G. White catalogues.
P	389	2G	12/14/17	" Specifications of orders placed wanted. Originals not received
P	472	8	1/10/18	" Catalogues wanted.
P	492	3B	1/15/18	" Revision of data and Spad planes
A	478	2	2/8/18	" Mailed each week progress material ordered or shipped French contract.
A	504	4	12/12/17	" Crank shafts 10,000 Cowis Hispan Suiza engine 220.
A	540	1	12/21/17	" Jig saw for wood and metal saw wanted
A	580	1	12/31/18	" Mailing duplicate lists.
P	540	6D	1/3/18	" Dates names and quantities of shipments of material prior Nov. wanted
A	618	3	1/11/18	" Will purchase presses for Breguet.
A		4	11/1/18	" Data on machine tools.
A	675	2	1/24/18	" Now collecting data on prices; will be forward
A	645	3	1/18/18	" Amt. of propeller wood delivered for export.
A	730	14	2/ 3/18	" 2000 Gnome cancelled, 1000 remain on order. Should material be cancelled
P	578	2	2/ 7/18	" Cancel order 2026 Gnome ball bearings.
P	600	4	2/14/18	" List should be sent on each steamer to avoid congestion.
P	610	1-A	2/16/18	" Non-arrival of material cause shortage; expedite
A	808	1	2/19/18	" No White material shipped prior to 11/1/18
A	812	5	2/19/18	" Lists will be sent on each steamer.
P	633	2-E	2/22/18	" Breguet needs copper tubing; rush shipment.
A	833	5	3/ 1/18	" Data on tonnage of machinery, etc., orders ready & already shipped.
		16		" All aluminum, copper, zinc, tin, lead delivered to port of embarkation.
		17		" Steel bars 50% at port of embarkation. Data on all remaining tonnage.
A	850	3	3/ 2/18	" Cancellation of order for Gnome ball bearings entails big loss.
A	871	2	3/ 7/18	" Will load wood in March.
A	924	3	3/16/18	" Data on shipments walnut, oak & mahogany.
P	742	7-1	3/17/18	" Castings urgently needed.
A	974	9	3/21/18	" Equipment & machinery ordered for production center #2.
A		1-D		" Status of castings order 1108.
A	993	1-F	3/29/18	" JGWhite will ship tubing & sheets as French Missions state they can be re-annealed in France
P	830	1-B	4/ 1/18	" French wish to close up payments on JGWhite contracts thru French High Commission in US.
P	879	4-A	4/9/18	" Production Gnome eng. discontinued; French cannot use parts; cancel order & protect contractors unless US can use same.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
A	1097	1	4/14/18	WHITE, J.G.CO.: Method to pay cont. thru French Mission approved.
A	1127	10	4/19/18	" " Swing equipment shipped Nov. 1917 for Brazier; is duplicate wanted?
P	968	2-C	5/22/18	" " Propeller hub steel should be marked & shipped Brazier as per White contract 1694
P	1029	3	5/ 1/18	" " B & S gear cutters, Rivett grinders, P&W tread millers, wanted for Brazier from White.
P	1037	3-A	5/ 3/18	" " Swing equipment received by Brazier OK if from White; no duplicate necessary.
A	1229	3-A	5/ 3/18	" " French Comm. has cabled its Govt. to find if sufficient Gnome 150 partx are avail able to ship to US for training machines
P	1067	1-C	5/ 7/18	" " Ship Renault shafts and orders rough fored to save delay.
A	1318	4	5/15/18	" " Status of material orders for APC#2
A	1326	1	5/18/18	" " HJ. Wolff will arrange payment for rench to JGW.
P	1184	3	5/25/18	" " Cam shafts cases must be more securely packed.
P	1209	2-B	5/29/18	" " Milling machines go to be used here.
A	1423	LB	5/30/18	" " Will use greater care in packing cam shaf
P	1365	1-D	6/24/18	" " Group lo straight edges wanted.
A	1733	7	7/18/18	" " Lists sent for APC#2; is Jenkins still wanted.
S	221	4-A	10/ 3/18	" " 1393 Renault crankshafts received.
S	376	4-B	10/30/18	" " Re: mixup in Horner's & Campbell's lett recommend White be given contract for "A
C-X	48	1	11/ 2/18	" " Reference the Campbell letter telling hi to ship material thru JGWhite
S	83	2	12/ 1/18	" " Status French indebtedness for JGW matr.
A	2027	4	10/ 7/18	" " Advise Pomato Paris that motors will be packed & sealed; letter not delivered in Spain.
A	2078	23	10/19/18	" " Hoyt advises Pomato of additional clause to contract a/c extension Pierce-Arrow contract on Hispanos.
A	2247	2	11/19/18	" " Wright-Martin informs Pomato that text articles in contract do not agree; also cancellation of motor orders situation.
A	2287		12/ 4/18	" " US advised that Pomato never received cable A 2247-2
P	1968	2	12/10/18	" " Cables A 2247-2 delayed in delivery to Pomato a/c being mutilated
P	1991	1	12/18/18	" " Pomato protests against reduction Avenen D reference license payments on Hispano motor.
X	407	7	1/ 9/17	" " Answered P 1991-1 directt.
A	570	1	12/29/17	" " Contract promised 13 m. lbs; more shipped January and February.
X	35	6	8/29/18	WHITE TRUCKS: White 2-ton trucks to replace light aviat- ion trucks.
P	421	6-C	12/28/17	WILCOX DICTIONARY: Copy wanted.
A	745	3	2/ 7/18	" " Being sent.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE OF CABLE	SUBJECT MATTER:
SD	32	1	7/ 1/18	<u>WILLYS:</u> British state Willys already mfg. parts for sunbeam which is improved Hispano Suiza. Investigate with view to production.
A	47	2	7/23/18	" Willys ready to put Sunbeam in production.
A	65	1	7/ 1/18	" Want to start Hispano Sunbeam production.
A	72	3	8/ 2/18	" Willys can mfg. 2000? to July 1st
SD	247	3	11/ 6/18	<u>WIMPERIS:</u> Wimperis high altitude sight considered best drift sight; will send.
SD	250	2	11/ 8/18	" Italy bomb sights unsatisfactory; Wimperis high and low altitude best.
P	442	5-G	1/ 4/18	" Consideration and notes on.
P	448	3-C	1/ 2/18	" High altitude wanted.
P	479	1-F	1/8/ 18	" High altitude data; drawings sent to London 12/7
P		1-C	1/ 8/18	" Low altitude data.
P	522	4	1/20/18	" No low altitude wanted.
A	491	6	12/14/17	" Used in US only & for training.
P	703	9	3/10/17	" Details of Marlin as mounted on DH & Bristol.
A	511	3	12/14/17	" Sights & French S.T.A. Mark 2A, C.F. S-4B and 1916 R.N.A.S. Naval high and low altitude.
A	693	9	1/27/18	" Used in US only & for training.
P	739	5-A	3/17/18	" To be supplied in foreign built planes.
P	742	8	3/17/18	" Have any high altitude sights been shipped? Urgently needed.
P	755	9-A	3/21/18	" Number of Wimperis high altitude sights wanted in May & April.
A	974	1-C	3/25/18	" No Wimperis high altitude sights shipped yet; production just started. where would they be shipped?
A	986	1	3/28/18	" 260 Wimperis sights will be sent About 15th
A	1016	1-K	4/ 1/18	" Stop watches not used with Wimperis sights.
P	631	6-E	4/ 1/18	" Ship Wimperis sights by messenger.
A	1146	Con.	4/21/18	" No Wimperis sights to be sent; 40 May 1st, 100 May 20th.
A	1399	1-E	5/26/18	" 50 docked May 24, 100 more June 1st.
SD	217	4	10/22/18	<u>WINCHES:</u> 50 Caquot winches ordered.
SD	282	7	11/26/18	" Speed for hauling on balloon winch.
A	389	2	11/13/18	" How many type R winches ordered France?
A	407	5	11/17/18	" What is hauling speed of winches?
A	1836	13	8/14/18	" No winches floated; will send 20 beginning Sept.
X	57	3	9/ 7/18	" Status production & delivery Aug. 30
C-S	122	1	9/11/18	" Supply prospects August 31st.
C-X	231	5	11/ 1/18	" Estimate of AS tonnage available October.
X	423	4	11/ 7/18	" Prepare windlass spares list in US
X	280	7	11/16/18	" No balloon winch trucks floated to date; estimate Nov. 15; Dec. 15.
X	364	2	12/19/18	" Prod. status Nov. 29; estimate Dec. 30th.
P	99	2	8/13/18	<u>WINCHESTER:</u> Send 200 Winchester shot guns, shells & clay pigeons & traps.
X	231	8	11/ 1/18	<u>WINDLASSES:</u> 40% in windlasses seems wrong; send recommendations.
X	254	1	11/ 7/18	" Estimated floatations for November
S	423	3	11/ 7/18	" Prepare windlass spares list in US
A	703	9	1/28/18	<u>WINDVANE:</u> Detail of gauges for DH & Bristols.
P	535	1-B	1/21/18	<u>WIRE:</u> Lengths that it should be cut and coiled.
A	701	8	1/27/18	" 6 sets Handley-Pago, R.F.A. wires wanted.
A	703	19	1/28/18	" 7 strands phosphor bronze developed tensile strength 215 lbs.
		20		Outpost wire developed, and now being produced; Col. Black familiar.

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
A	703	22	1/28/18	<u>WIRE:</u> Signal Corps has better Brest Reel than French; Col. Black familiar with
P	602	4-A	2/14/18	" AEF deems it necessary to send wire men to US.
A	628	1	1/13/18	" Difficulty in coiling for Breguet. Request if straight lengths acceptable.
A	833	23	3/ 1/18	" None heavier than 17 BS gauge required
A	974	1-G	3/25/18	" When were RAF wires shipped?
P	831	5-B	4/ 1/18	" 6 sets RAF wire indefinite.
A	1303	15	5/14/18	" 6 sets RAF wires & wheels not recd; trace.
P	1309	1	6/14/18	" Request shipment of steel cable for Caproni prod
A	47	14	7/23/18	<u>WOODS:</u> Have started program for conservation of walnut & mahogany in US & use of other woods for propellers.
SD	14	1	6/28/18	" Recommend development of 3-ply wood.
SD	42	1	7/ 1/18	" British state they need 149,000 ft. spruce, 118,000,000 ft. mahogany.
P	37	14	7/11/18	" US should mobilize wood-working in dustry as well as automobile industry.
P	44	4	7/16/18	" Eng. using Mahogany & walnut for propellers, - great shortage propeller wood.
P	46	1	7/16/18	" Good 3-ply wood vitally needed in Europe.
A	54	1	7/25/18	" Large amount mahogany at Axin, Africa.
A	60	1-1	7/27/18	" Get requirement woods for all countries
A	65	8	7/29/18	" Construction material for 2 squadrons except lumber left; lack of cargo space
P	100	2-5	8/24/18	" Ship 2x4's left behind.
P	123	3	8/23/18	" British will take over African mahogany; stop sales by British merchants.
P	139	20	9/ 5/18	" British concerned over Spruce program. as their program is largest.
SD	169		9/19/18	" Results conference on allocation of spruce; Eng. 50%, Pa. 30%, Italy 20%
SD	170		9/19/17	" Reference embargo on spruce; allies agree if US will furnish; use draft help produce.
A	198	12	9/21/17	" Can send either wood or finished propellers.
SD	188		10/ 3/18	" French propeller situation serious. Ship large quantities of woods.
SD	191	1	10/ 4/17	" British want information Port Oxford cedar.
A	273	6	10/13/17	" 1,000,000 ft. mahogany purchased; can spare half to French.
		7		" Amount of Oxford cedar available & prices.
A	327	5	10/27/18	" No. of ft. oak, cherry, mahogany, contracted.
SD	212	1	10/18/18	" Estimated requirements propeller wood
SD	228	1	10/26/18	" Deliver wood ordered by French to AEF.
SD	236		11/ 1/17	" Begin shipments of propeller wood at once; consign to Bolling.
SD	269	4	11/19/17	" Lumber not for spad, but for Breguet.
SD	273	5	11/20/17	" Percentage spruce allotted to England, France & Italy.
SD	276	2	11/25/17	" French ask possibility of supplying.
SD	281	4	11/24/17	" Send specimens oak & cherry; increase production all possible
A	380	4	11/10/17	" Orders Spad built France does not include propeller wood; for whom is wood.
A	407	1	11/17/17	" Production spruce 4,000,000 ft. ; requirement per month 10,000,000; who needs most?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER
A	430		11/23/17	WOODS 1500 Breguet propeller wood ready.-450,000 ft. in 30 days.
A	432	7	11/23/17	" Can French furnish oak or mahogany? How much needed?
A	438	4	11/26/17	" Will help English procure spruce from Douly.
A	461	2	12/ 1/17	" Status orders & shipments oak, mahogany, & walnut. Walnut for 1500 Breguet propellers ordered;
P	424	5	12/29/17	" Spruce & for requirements available quantities wtd.
P	447	2-C	1/ 2/18	" Newprocess for drying.
P	553	1-A	1/30/18	" Is Lyon process for drying, undesirable?
A	585	2	1/ 1/18	" Spruce & Poplar production.
A	608	1	1/ 8/18	" Supply information later walnut.
A	552	2	12/23/17	" Process for drying spruce requires 20 days.
A	701	11	1/27/18	" Amount of oak & mahogany shipped; amount awaiting shipment.
A	570	9	12/29/17	" Requirements in excess of production of spruce, cab; adjustment of allocation & douglas fir.
A		11		" Spruce production for 6 mos. sent by messenger,- French, English & Italians' requirements.
A		14		" Dry kiln plant on W. coast.
A	730	12	2/ 3/18	" 3 months drying process for wood too long; more information wanted.
P	598	5-A	2/13/18	" Wood necessary to purchase for manufacture DH, HP, Caproni & Bristol; also include propeller informts;
P	610	1	2/16/18	" Report on present supply in France & immediate need
P	635	4-B	2/24/18	" Terms with Lyon asks for wood drying process; is US interested?
A	822	5	2/23/18	" Mahogany, cherry, walnut used interchangeably propellers; no. of ft. per propeller; estimate to July 1st.
A	830	2	2/27/18	" 250,000, ft. spruce shipped; 1,000,000 at Galveston, 500,000 ft. at Baltimore
A	833	13	3/ 1/18	" Situation at Breguet spruce.
		14		" Situation on Spad spruce poplar walnut
		15		" Propeller situation oak, birch, cherry, mahogany.
A	843	3	3/ 1/18	" US not interested in Lyon's process for wood-drying.
P	669	5-D	3/ 3/18	" Is statement correct that 2000 ft. spruce required for 1 Bristol? What percent spruce & other woods being used?
A	871	2	3/ 7/18	" French arrange for wood; Galveston, fir at Baltimore will be loaded; JGWhite will load in March.
A	882	4-D	3/ 9/18	" US not interested in Lyon process of drying
A	889	9-B	3/10/18	" Amount of wood used in construction of Bristol and Caproni;
		9-C		" Amount of wood freighted or docked for French, English, and Italians,- month of February.
A	924	3	3/16/18	" Data on shipments Walnut, oak, mahogany
A	959	2	3/21/18	" Not affected by allocations; would advise Italy use same grade spruce as England & France.
P	776	1-E	3/23/18	" French desire to know approximate price propeller wood.
P	822	3	3/31/18	" What woods are to be used as substitutes on planes and propellers? What uses are made of short pieces?
A	1016	1-F 1-M	4/ 1/18	" Cost to French Govt. of different woods Some plywood for Spad sent; remaining will be water proofed; is original quantity still wanted?

BINDER LETTER	CABLE NO.	PAR. NO.	DATE of CABLE	SUBJECT MATTER:
P	864	4-D	4/7/18	WOODS Italy will use same grade spruce as England.
A	1080	1-L	4/12/18	Woods authorized for parts airplanes.
P	924	3-B	4/16/18	" Plywood will hide glue satisfactorily; water-proof for remainder.
A	1140	5	4/20/18	" Oregon pine floated for French Government.
P	1043	2	4/5/18	" Allocation of wood should not favor England;- 610-SI should be followed.
A	1271	22	5/11/18	" Allocation of spruce settled satisfactorily to Tardieu & British as per 610-SI.
P	1311	3-B	6/15/18	" Data wanted on built-up wooden parts bakelite etc
A	1546	3	6/17/18	" Lumber kiln floated.
P	1339	4-B	6/19/18	" Data on available wood supply wanted for Council meeting.
A	1589	10-A	6/22/18	" Data on wood substitutes, -propellers, etc. will be sent.
A	1622	6	6/28/17	" Estimates production, spruce, firs and substitutes
A	1655	1-G	7/4/18	" Data on new woods & substitutes
X	15	11	8/20/18	" Rejected material due to list "C" spruce; none but best shipped now.
P	243	10	10/8/18	" Send full instructions for furnishing DH propellers; wood difficulty.
X	143	10	10/8/18	" Requirements of plywood to June, 1919.
P	266	5-B	10/12/18	" Debenture in wood brought to attention of France, Italy and England.
P	369	4	10/29/18	" Can large timber spruce be sent France?
X	239	15	11/4/18	" Flotation of spruce shows 500,000 ft. more than required.
P	415	5-A	11/6/18	" To what extent does spruce supply depend upon Allies subscribing to debenture? Italy not desirous of accepting.
P	432	3	11/9/18	" Recommendations on propellers
A	1655	1-G	7/4/18	" Data on new woods & substitutes.
X	15	11	8/20/18	" Rejected material due to list "C" spruce; none but best shipped now.
S	243	1-D	10/8/18	" Requirements on plywood to June, 1919
X	143	10	10/8/18	" Send full instructions for furnishing DH propellers; wood difficulty.
S	266	5-B	10/12/18	" Debenture in wood brought to attention of England France & Italy.
S	369	4	10/29/18	" Can large timber spruce be sent to France?
X	239	15	11/4/18	" Flotation of spruce shows 500,000 ft. more than requested.
S	415	5-A	11/6/18	" To what extent does spruce supply depend upon Allies subscribing to debentures? Italy not desirous of accepting.
S	432	3	11/9/18	" Recommendations on propellers.
P	1277	1-E	6/9/18	WRANCHES Liberty propeller hub wrench not strong enough.
A	1548	2-C	6/17/18	" Propeller hub shrunk on; don't remove.
C-S	155	I	9/23/18	" Liberty spark plug wrenches too large.
C*X	41	5	10/24/18	" Liberty spark plug wrenches test OK; sped sample of wrench which is too wide.
S	484	6	11/22/18	" Tech. Sec. states Liberty spark plug wrenches OK

NUMBERS USED IN CLASSIFYING
CORRESPONDENCE IN LOCKER

026.4 Aviation
026.4 Departments (of S.O.S. & G.H.Q.) duties
026.4 Signal Corps
026.4 German Aviation
026.4 Navy, Allied.
026.4 Military establishments & training.
052 Bills of Congress
061 Maps, and charts.
121 Funds, appropriations, etc.
158 Bills & Property receipts.
210.3 Commissions,- General Information.
210.3 Commissions,- Applications for.
210.3 Officers, General informations, remarks of charges against,
criticisms, assignments, details, etc.
210.3 Officers, Information re': promotions, transfers, etc.
210.3 Officers,- Lt. Col. Willis, Lt. F. L. Van Horn, Major Greene, Capt. Miller,
and Col. Mitchell.
230 Personnel
231.5 Mechanics
231.21 Pilots
311.2 Telegrams
311.2 Cables
312.4 Waldon & Deeds Letters
312.4 Personal Orders
312.4 Military Record
312.4 Personal letters
312.4 Pay & Mileage Vouchers
322.052 Handley Page Squadrons
322.052 Aero Squadrons
322.052 Air Service Units, Brigades, etc
334.8 Councils, Commissions, Committees, in general.
334.8 Aeronautical commissions of the Peace
334.8 Aeronautical Inter-Allied Commissions of Control.
334.8 Aircraft Board
334.8 Joint Army & Navy Technical Board.
360.05 Air Service Buildings & Grounds
360.05 Aviation Schools, Educational institutions, etc.
360.05 Aviation sites, fields, cantonments, etc.
361.1 Flights, (Information on flying)
384.3 Bombing Operations
400.13 Purchases, orders, equipment & stores
413.4 Radio
421 Clothing & Aviation Insignia
451.1 Automobiles & Trucks
451.3 Tank Service
452.1 Airplanes
452.1 Aviation Program
452.8 Airplane engines
634 Hangars, Aviation Sheds, etc.
704 Casualties
824 Tonnage