

war: Reports, Weekly Statistical: 1/17-1/31/42

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WEEKLY STATISTICAL REPORT

No. 29

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SUMMARY

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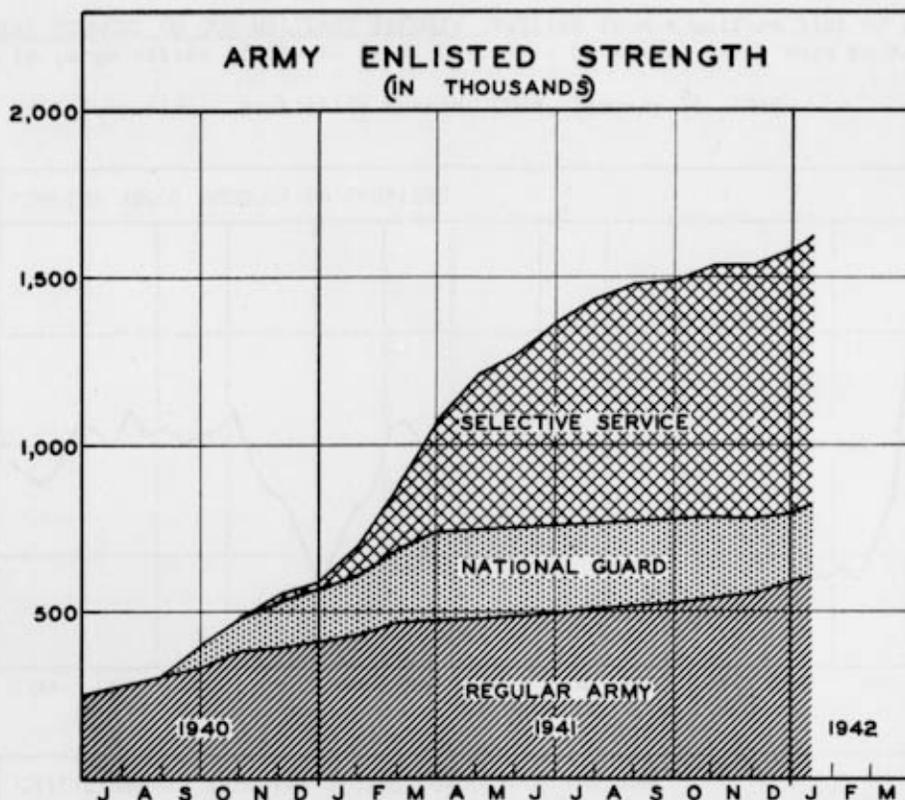
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WAR DEPARTMENT

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WEEKLY STATISTICAL SUMMARY
 REPORT NO. 29
 JANUARY 17, 1942

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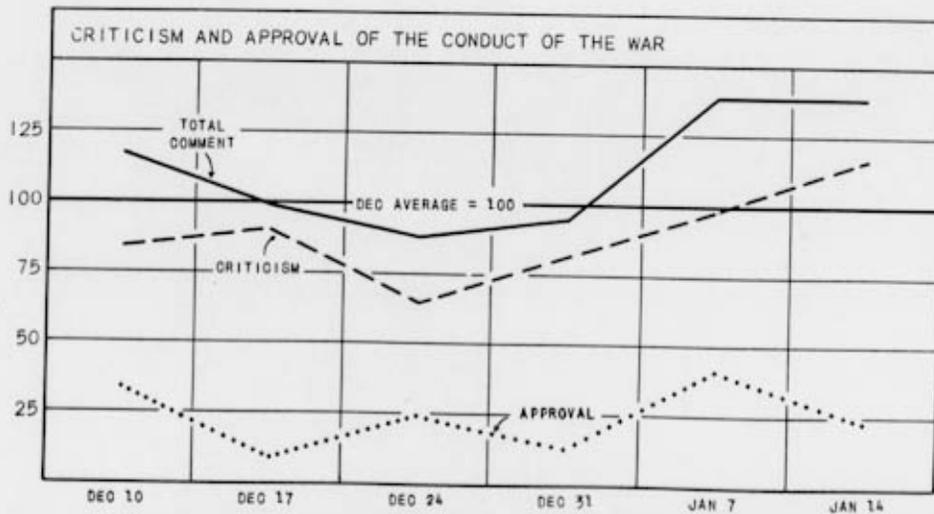
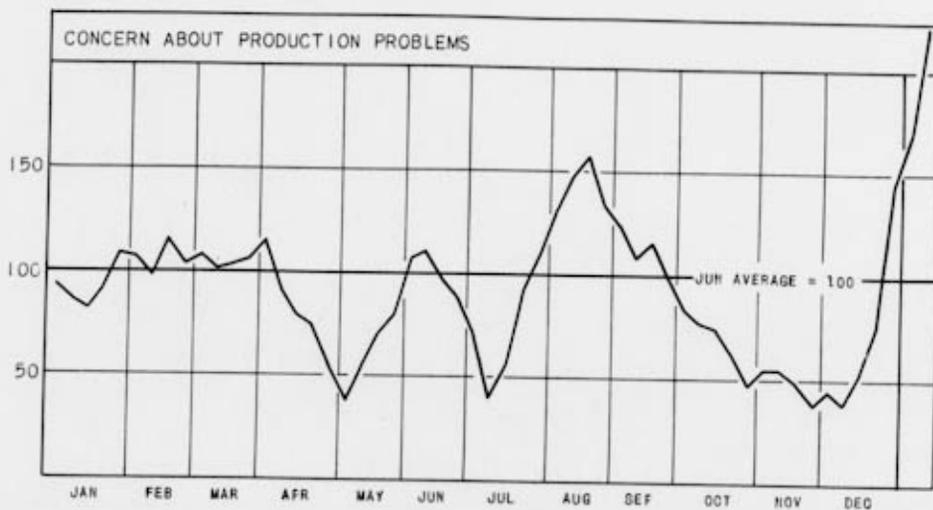
Army strength is the basis for computing requirements for many articles to be procured. The data from July, 1940 to January 13, 1942 are shown in the diagram and table. They refer to enlisted strength at the end of each month, with the exception of the two final estimated figures.

1940	Total	1941	Total	1941	Total	1942	Total
Jul	268,941	Jan	693,578	Jul	1,429,188	Jan 13	1,622,500
Aug	302,968	Feb	873,667	Aug	1,481,197		
Sep	407,613	Mar	1,068,030	Sep	1,484,024		
Oct	483,218	Apr	1,205,873	Oct	1,526,000		
Nov	540,695	May	1,265,211	Nov	1,528,500		
Dec	573,520	Jun	1,362,760	Dec	1,579,500		

Source of Information: Statistics Branch, General Staff, January 14, 1942

EDITORIAL COMMENT ON OUR MILITARY EFFORT: Tallied from a uniform list of newspapers in large cities of the 12 F. R. Districts by weeks ended each Wednesday

Source of Information: Statistics Branch, OUSW, January 14, 1942

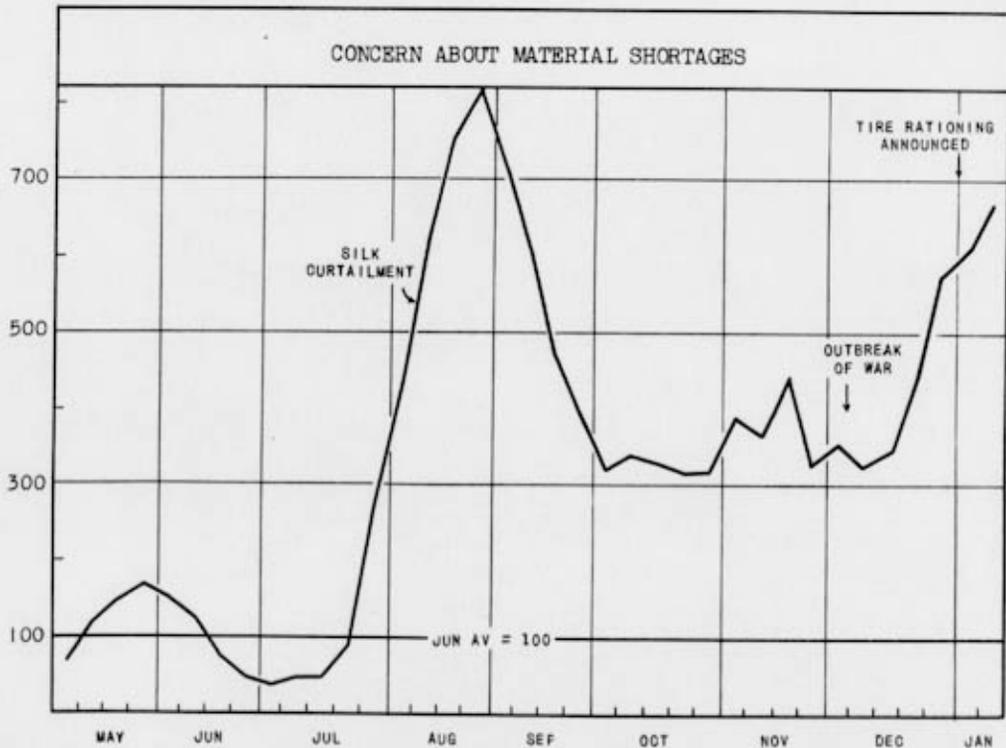


EDITORIAL COMMENT ON OUR MILITARY EFFORT - Talled from a uniform list of news-papers in large cities of the 12 F. R. Districts by weeks ended each Wednesday

Source of Information: Statistics Branch, OUSW, January 14, 1942

PERCENT OF OPINIONS EXPRESSED

	In favor	Against	No opinion expressed
The new production goals can be reached	53	11	36
Prospect of holding the Philippines	16	53	31



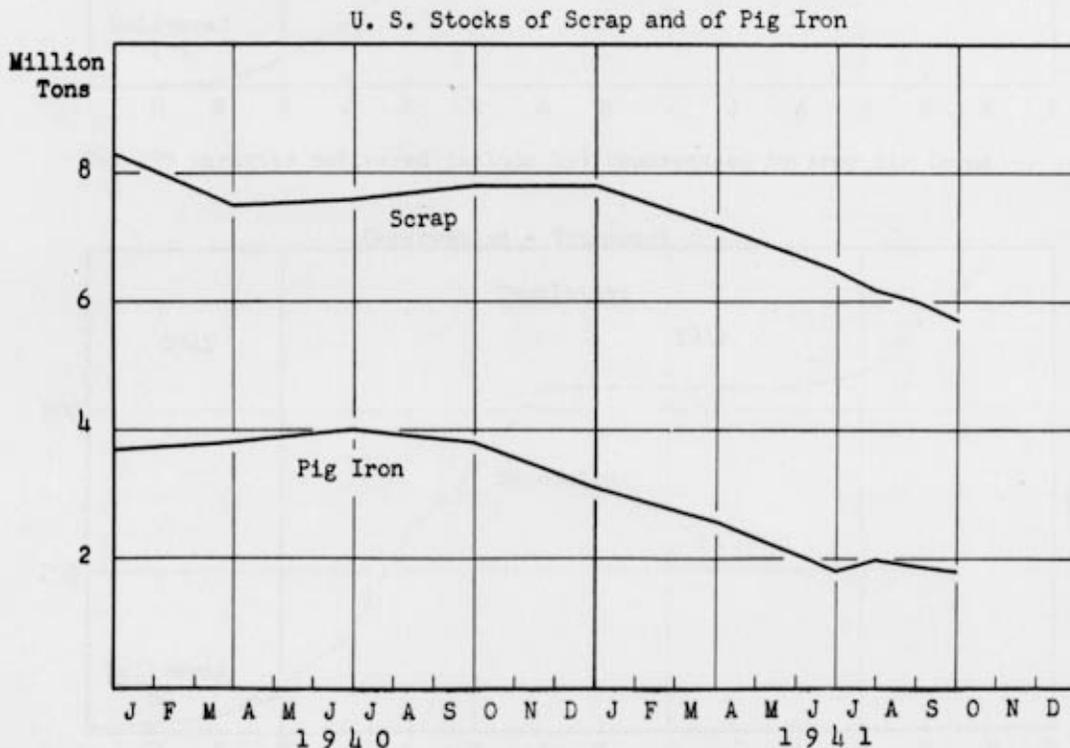
STOCKS OF IRON AND STEEL SCRAP

Source of Information: U. S. Bureau of Mines.

Stocks of iron and steel scrap at plants and in transit on September 30, 1941, amounted to 5,716,000 net tons, representing a decline of 5 percent from the 6,002,000 tons on hand August 31, 1941. These September 1941 figures, the latest available, were not released by the Bureau of Mines until January 6, 1942. Such stocks were equivalent to a 5-weeks' supply at the September consumption rate.

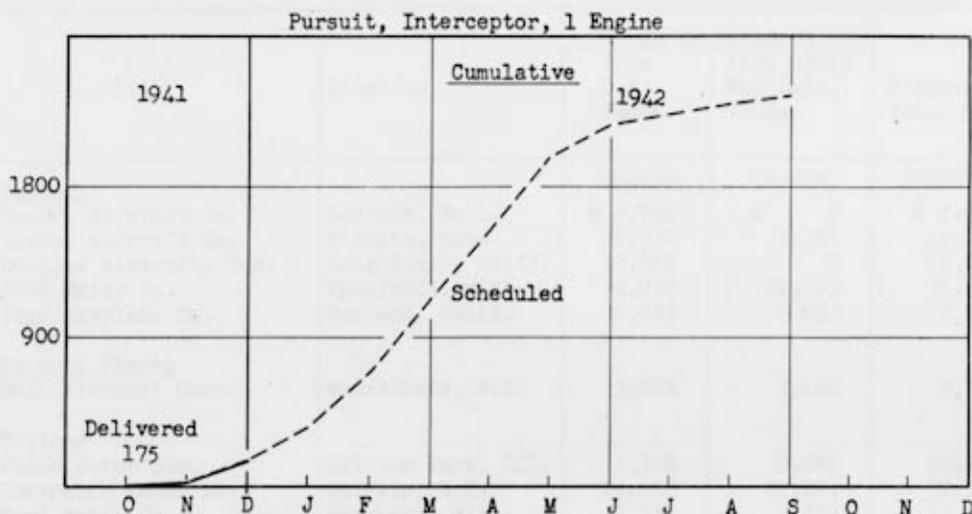
According to The Wall Street Journal, Sharon Steel Corporation, of Youngstown, and Otis Steel Company, of Cleveland, have shut down several open hearth furnaces because of shortage of scrap. Shortage of iron and steel scrap threatens to reduce further the rate of steel ingot production, and steel mill stocks of scrap are reported to be seriously depleted.

Pig iron stocks also have declined, as will be noted in the following diagram.

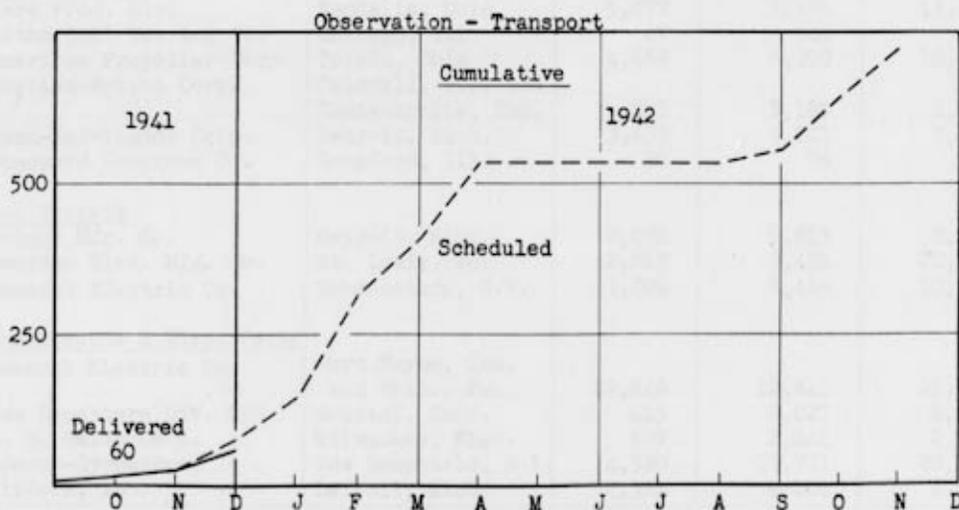


DEFENSE AID - AIRPLANES - DELIVERIES AND SCHEDULE ESTIMATES - DECEMBER 31, 1941

Source of Information: Consolidated Statistical Report - Air Corps



The 175 pursuits delivered include 109 repossessed by Army Air Corps



The 60 transports delivered include 24 repossessed by Army Air Corps

DEFENSE AID - NEW AIR CORPS FACILITIES - DECEMBER 31, 1941

Source of Information: Materiel Division, Air Corps and OUSW

Facility	Location	To Be Financed		Estimated Total Cost
		From D.A. Funds	From Other War Dept. Funds	
		THOUSANDS	THOUSANDS	THOUSANDS
<u>Bombers</u>				
Boeing Aircraft Co.	Seattle, Wash.	\$ 2,924	\$ 0	\$ 2,924
Boeing Aircraft Co.	Wichita, Kans.	5,732	8,385	14,117
Douglas Aircraft, Inc.	Long Beach, Calif.	12,880	0	12,880
Ford Motor Co.	Ypsilanti, Mich.	14,938	21,693	36,631
Vega Airplane Co.	Burbank, Calif.	6,983	887	7,870
<u>Pursuit Planes</u>				
Bell Aircraft Corp.	Wheatfield, N.Y.	3,673	3,458	7,131
<u>Engines</u>				
Buick Motor Div.	Melrose Park, Ill.	4,168	6,099	10,267
Chevrolet Motor Div.	Buffalo, N.Y.	15,088	22,074	37,162
Ford Motor Co.	Dearborn, Mich.	9,139	4,772	13,911
Wright Corp.	East Paterson, N.J.	2,060	2,914	4,974
<u>Propeller Parts</u>				
Aero Prod. Div.	Vandalia, Ohio	5,877	5,576	11,453
Aetna Ball Bearing Co.	Chicago, Ill.	67	344	411
American Propeller Corp.	Toledo, Ohio	4,468	6,390	10,858
Curtiss-Wright Corp.	Caldwell, N.J. and Indianapolis, Ind.	823	1,185	2,008
Nash-Kelvinator Corp.	Detroit, Mich.	3,433	5,001	8,434
Woodward Governor Co.	Rockford, Ill.	77	76	153
<u>Gun Turrets</u>				
Briggs Mfg. Co.	Detroit, Mich.	2,036	6,813	8,849
Emerson Elec. Mfg. Co.	St. Louis, Mo.	2,048	8,481	10,529
General Electric Co.	Schenectady, N.Y.	2,096	8,415	10,511
<u>Instruments & Misc. Parts</u>				
General Electric Co.	Fort Wayne, Ind. and Phil., Pa.	12,946	12,841	25,787
New Departure Div. GMC	Bristol, Conn.	415	2,027	2,442
A. O. Smith Corp.	Milwaukee, Wisc.	519	2,241	2,760
Sperry-Gyroscope, Inc.	New Hempstead, N.Y.	4,580	15,701	20,281
Vickers, Inc.	Detroit, Mich.	2,385	6,206	8,591

DEFENSE AID - NEW ORDNANCE FACILITIES - DECEMBER 31, 1941

Source of Information: Production Branch, OUSW

Facility	Location	To Be Financed		Estimated Total Cost
		From D.A. Funds	From Other War Dept. Funds	
<u>Explosives</u>		THOUSANDS	THOUSANDS	THOUSANDS
Alabama Ord. Works	Sylacauga, Ala.	\$10,295	\$84,180	\$94,475
Badger Ord. Works	Merrimac, Wisc.	40,000	25,000	65,000
Kankakee Ord. Works	Joliet, Ill.	310	58,290	58,600
Lake Ontario Ord. Works	Youngstown, N. Y.	23,000	0	23,000
Longhorn Ord. Works	Karmack, Texas	22,300	0	22,300
Oklahoma Ord. Works	Choteau, Okla.	20,400	43,600	64,000
Radford Ord. Works	Radford, Virginia	1,600	57,850	59,450
Volunteer Ord. Works	Chattanooga, Tenn.	15,600	30,400	46,000
Wabash Ord. Works	Newport, Ind.	21,400	32,100	53,500
W. Virginia Ord. Works	Point Pleasant, W.Va.	44,000	0	44,000
<u>Ammonia and Derivatives</u>				
Dixie Ord. Plant	Monroe, La.	6,700	7,050	13,750
Jayhawk Ord. Works	Baxter Springs, Kans.	4,600	22,100	26,700
Maumelle Ord. Works	Marche, Ark.	800	11,700	12,500
Missouri Ord. Works	Louisiana, Mo.	6,700	11,725	18,425
Morgantown Ord. Works	Morgantown, W. Va.	6,600	53,488	60,088
<u>S.A. Ammunition</u>				
Kings Mills Ord. Plant	King Mills, Ohio	8,000	-	-
<u>Oleum</u>				
E. Tennessee Ord. Works	Copperhill, Tenn.	950	1,425	2,375
<u>Loading Shells & Bombs</u>				
Arkansas Ord. Plant	Jacksonville, Ark.	13,400	20,100	33,500
Elwood Ord. Plant	Joliet, Ill.	900	48,100	49,000
Illinois Ord. Plant	Crab Orchard, Ill.	14,000	26,000	40,000
Iowa Ord. Plant	Burlington, Iowa	725	49,784	50,509
Kansas Ord. Plant	Parsons, Kans.	14,000	21,000	35,000
Lone Star Ord. Plant	Texarkana, Texas	18,200	29,224	47,424
Louisiana Ord. Plant	Minden, La.	11,600	24,400	36,000
Ravenna Ord. Plant	Ravenna, Ohio	16,492	64,281	80,773
Redstone Ord. Plant	Huntsville, Ala.	2,400	5,600	8,000
<u>Bag Loading</u>				
Mississippi Ord. Plant	Flora, Miss.	5,800	11,200	17,000
<u>Guns</u>				
Draper Corp.	Hopedale, Mass.	3,850	0	3,850
Yoder Co.	Cleveland, Ohio	1,930	-	-
<u>Tanks</u>				
Detroit Tank Arsenal	Detroit, Mich.	18,875	24,206	43,081
Ford Motor Co.	Dearborn, Mich.	38,365	0	38,365

TEXT SUMMARY - ORDNANCE DEPARTMENT - JANUARY 17, 1942

Source of Information: Ordnance Department, OUSW and OPM

AIRCRAFT ARMAMENT

A top priority has been given to aircraft machine guns, the 20mm and 37mm aircraft guns, ammunition for these guns, and aircraft bombs. Computation of the number of each of these items required under the directive of January 6, 1942, to the War Department is awaiting official information as to the models of planes and the estimated delivery schedules which are to provide the 45,000 combat planes ordered. Production plans, including decisions on new facilities and calculation of the raw materials needed, are affected by the lack of this information.

Comparison of the latest available data concerning the requirements and scheduled acceptances of aircraft guns is as follows:

Item	Requirements (Based on OPM Schedule No. 8-G)		Scheduled Acceptances (Dec. 31, 1941)		Balance Authorized But Not Scheduled
	1942	1943*	1942	1943	
Machine gun, cal.30	60,506	21,834	71,038	4,790	1,554
Machine gun, cal.50	107,409	101,335	151,282	13,016	13,629
Gun, 20mm automatic	46,675	25,535	34,969	11,510	32,000
Gun, 37mm automatic	1,634	1,100	2,517	0	3,000

* Requirements for 1943: January through May, 1943, and balance due (planes not scheduled).

The total number of tactical types of planes scheduled for delivery in 1942 is 26,815, according to the OPM schedule No. 8-G. This number has been increased to 28,414 in schedule No. 8-H, the latest available.

TANKS

Tentative delivery schedules reported as of December 31, 1941, indicate a sharp increase in the monthly rate of acceptances of medium tanks in 1942, to 1,540 in June and 4,000 in December. The total for the year is scheduled at 25,000, the same number required in the directive of January 6, 1942. The total number undelivered for which funds have been authorized is 26,292 of which 10,011 are reported to have been placed on order.

Whereas the goal for 1942 acceptances of light tanks has been raised to 19,500, funds have been authorized for only about 9,000 of these tanks. Only approximately 3,000 have been placed on order.

MONTHLY PRODUCTION OF EQUIPMENT AND AMMUNITION - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department

Item	Actual			Estimated		
	Oct '41	Nov '41	Dec '41	Jan '42	Feb '42	Mar '42
<u>EQUIPMENT</u>						
Machine gun, cal.30 A.C.	1,681	1,177	3,636	3,672	3,972	4,672
Machine gun, cal.50 A.C.	6,473	7,698	10,712	12,230	12,150	12,137
Gun, 20mm automatic A.C.	0	188	941	211	1,404	2,106
Gun, 37mm automatic A.C.	13	15	232	200	200	225
Tank, light	400	338	410	350	357	400
Tank, medium	249	325	490	520	640	830
Gun, 37mm tank	374	811	418	888	900	1,150
Gun, 75mm tank	194	279	421	361	455	550
Gun, 90mm A.A.	24	25	33	39	60	94
Howitzer, 75mm	21	12	181	23	92	57
Howitzer, 105mm	98	75	307	48	226	225
Gun, 155mm	0	4	17	26	30	38
Rifle, cal.30, M1	31,049	29,110	36,530	31,000	28,000	30,052
Gun, 37mm antitank	264	540	607	234	400	665
Mortars, 60mm, 81mm	1,016	857	684	281	561	800
<u>AMMUNITION (Thousands)</u>						
Cartridge, cal.30	66,054	82,236	108,587	159,360	205,397	291,793
Cartridge, cal.50	6,688	5,691	14,057	18,220	28,610	39,620
Cartridge, 20mm A.C.	1,489	2,175	1,282	3,021	3,960	6,550
Shell, H.E., 37mm A.C.	197	219	166	0	0	496
Shot and shell, 37mm A.A.	183	16	301	993	1,000	600
Shot and shell, 37mm T & AT	2	247	282	241	900	1,300
Shell, H.E., s o, 75mm gun	0	235	294	193	0	0
Shot, A.P. & semi-A.P., 75mm gun	0	0	0	0	50	180
Shell, H.E., 75mm howitzer	13	9	0	74	153	348
Shell, H.E., 90mm A.A.	5	0	188	295	160	0
Shell, H.E., 105mm howitzer	0	19	272	395	552	700
Shell, H.E., 155mm gun	2	0	0	1	23	75
Charge, prop., 155mm gun	-	0	0	2	15	35
Shell, H.E., 60mm mortar	0	58	297	405	500	500
Shell, H.E., 81mm mortar	-	53	110	71	315	450
Bomb, demo., 100#, 300#, 500#	1	60	28	76	113	161

EQUIPMENT PROCUREMENT - SUMMARY - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department

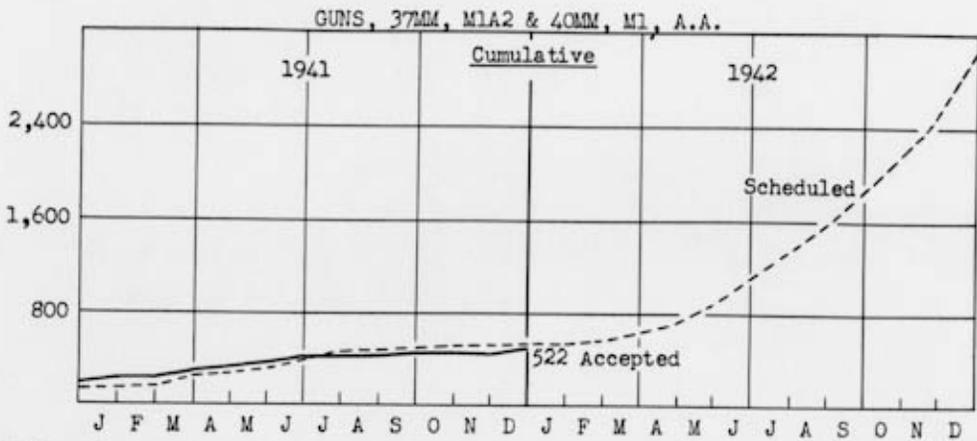
Item	Total procurement authorized*	Acceptances thru Dec 31	Percent of total authorization			
			Con-tracted	Sched-uled	Due	Accepted
<u>Aircraft Armament</u>						
Machine gun, cal.30	92,732	15,350	98	98	17	17
Machine gun, cal.50	222,219	44,292	94	94	20	20
Gun, 20mm, automatic	79,663	1,184	60	60	1	1.5
Gun, 37mm, automatic	5,907	390	49	49	4	7
<u>Combat Vehicles</u>						
Tank, light	11,520	2,551	48	48	24	22
Tank, medium	27,665*	1,373	41	41	5	5
Tank, heavy	600	0	17	17	0	0
Scout car	9,245	2,733	37	37	30	30
Personnel carrier, 8-man	6,691	3,565	87	87	53	53
Personnel carrier, 13-man	6,158	1,859	90	90	29	30
Submachine gun, cal.45	852,259	217,420	40	40	27	26
Gun, 37mm tank	32,733*	4,580	48	48	16	14
Gun, 75mm tank	27,164*	1,045	36	32	3	4
<u>Antiaircraft</u>						
Gun, 3"	152	152	100	100	100	100
Gun, 90mm	4,284	132	53	37	3	3
Gun, 40mm	8,236	0	51	51	0	0
Gun, 37mm	3,364	522	95	95	15	16
Machine gun, cal.50 (W.C.)	39,067	3,771	68	68	9	10
<u>Artillery</u>						
Howitzer, 75mm	1,318	435	100	51	30	33
Gun, 3" AT, self-propelled	3,580	0	44	0	0	0
Howitzer, 105mm	4,395	549	98	89	11	12
Gun, 4.5" AT, self-prop.	500	0	100	0	0	0
Gun, 155mm	492	39	100	99	8	8
<u>Modernization - H.S.</u>						
Carriage, 75mm gun	1,330	975	100	73	72	73
Motor carriage, gun, 75mm AT	1,350	0	100	0	0	0
Carriage, 155mm howitzer	1,584	1,366	100	100	85	86
Carriage, 155mm gun	853	345	100	100	38	40
<u>Infantry Armament</u>						
Rifle, cal.30, M1	1,332,069	380,775	93	100	28	29
Machine gun, cal.30 (Var.)	289,169 ^a	58,345 ^a	56 ^a	56 ^a	24 ^a	20 ^a
Machine gun, cal:50 (H.B.)	67,041 ^a	3,421 ^a	47 ^a	47 ^a	9 ^a	5 ^a
Gun, 37mm antitank	13,223	2,358	74	74	16	18
Mortar, 60mm	11,162	6,820	100	100	60	61
Mortar, 81mm	6,924	2,534	68	65	39	37

* Total procurement authorized consists of authorizations from Fiscal Year 1940, 1941 and 1942 funds, Navy, Marine Corps and Defense Aid funds, and British and Canadian orders for medium tanks and 37mm and 75mm tank guns.

^a Figures include armament for combat vehicles.

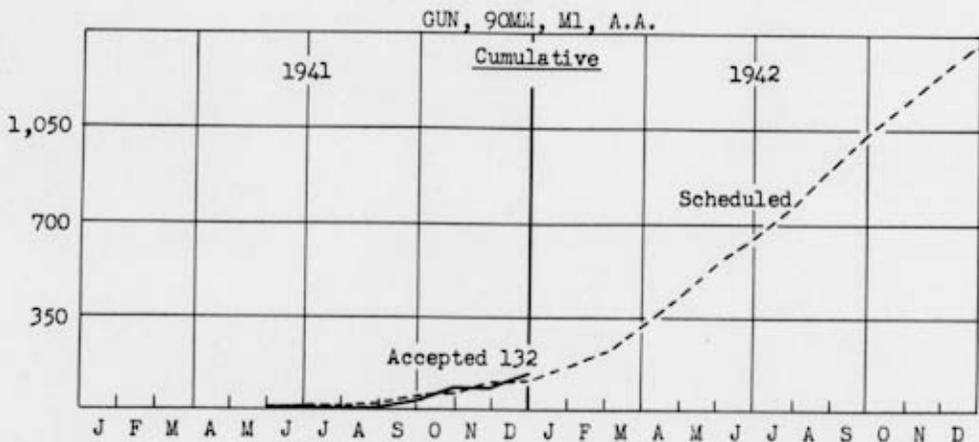
ANTI-AIRCRAFT - SCHEDULES AND ACCEPTANCES - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department



CUM. (HUNDREDS)

ACCEPTED	2	2	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
SCHEDULED	2	2	2	3	3	4	5	5	5	5	5	5	5	5	6	6	7	9	11	13	16	19	22	25	31



CUM. (HUNDREDS)

ACCEPTED		.01	.01	.08	.2	.5	.7	1	1																
SCHEDULED		.1	.2	.3	.5	.7	1	1	2	2	3	4	6	7	8	9	10	12	13	14					

EQUIPMENT - STOCKS AND INITIAL REQUIREMENTS - JANUARY 8, 1942 (DATA EXCLUDES DEFENSE AID)

Source of Information: General Staff

Item	Initial requirements 1,850,000 men	Stocks in depots and with troops	Percent of requirements					
			%	0	20	40	60	80
<u>Aircraft Armament</u>								
Machine gun, cal.30,fix.&fl.	32,688	17,237	53					
Machine gun, cal.50,fix.&fl.	61,539	25,821	42					
Gun, 20mm, automatic	1,815	537	30					
Gun, 37mm, automatic	2,155	203	9					
<u>Combat Vehicles</u>								
Tank, light	1,699	965 b	57					
Tank, medium	1,788	606 c	34					
Scout car	1,261	2,417 d	192					
Personnel carrier, 8-man	3,467	3,348	97					
Personnel carrier, 13-man	3,311	1,546	47					
Machine gun, cal.30 (Var.)	32,626 a	a	-					
Machine gun, cal.50 (H.B.)	5,491 a	a	-					
Submachine gun, cal.45	41,859	26,815	64					
Gun, 37mm, tank	6,235	1,268	20					
Gun, 75mm, tank	1,762	357	20					
<u>Antiaircraft</u>								
Gun, 3" } Gun, 90mm }	1,237	562 } 90 }	53					
Gun, 37mm	2,315	508	22					
Machine gun, cal.50 (W.C.)	18,611	1,238	7					
<u>Artillery</u>								
Gun, 75mm (H.S.)	-	948	-					
Howitzer, 75mm, field & pack	249	284	114					
Howitzer, 105mm	2,061	529	26					
Gun, 155mm	95	17	18					
Gun, 155mm (H.S.)	587	198	34					
Howitzer, 155mm (H.S.)	631	1,247	198					
<u>Unmodified & other models</u>								
Gun, 75mm	-	2,381	-					
Gun, 155mm	-	767	-					
Howitzer, 155mm	-	535	-					
<u>Infantry Armament</u>								
Rifle, cal.30, M1, semiauto.	797,085	355,620	45					
Machine gun, cal.30 (Var.)	53,555	55,369	103					
Machine gun, cal.50 (H.B.)	16,964	3,601	21					
Gun, 37mm, antitank	6,276	2,265	36					
Mortar, 60mm	4,579	6,453	141					
Mortar, 81mm	2,035	2,502	123					

a Included in Infantry Armament.

Stocks exclude substandard models formerly included (b) 757, (c) 105, (d) 99.

EQUIPMENT - STOCKS AND TOTAL REQUIREMENTS - JANUARY 8, 1942 (DATA EXCLUDES DEFENSE AID)

Source of Information: General Staff

Item	Total requirements 3,635,000 men	Stocks in depots and with troops	%	Percent of requirements					
				0	20	40	60	80	100
<u>Aircraft Armament</u>									
Machine gun, cal.30,fix.&fl.	44,260	17,237	39						
Machine gun, cal.50,fix.&fl.	131,837	25,821	20						
Gun, 20mm, automatic	3,721	537	14						
Gun, 37mm, automatic	2,896	203	7						
<u>Combat Vehicles</u>									
Tank, light	4,341	965 b	22						
Tank, medium	5,902	606 c	10						
Scout car	2,709	2,417 d	89						
Personnel carrier, 8-man	10,497	3,348	32						
Personnel carrier, 13-man	8,208	1,546	19						
Machine gun, cal.30 (Var.)	125,849 a	a	-						
Machine gun, cal.50 (H.B.)	14,712 a	a	-						
Submachine gun, cal.45	155,279	26,815	17						
Gun, 37mm, tank	30,392	1,268	4						
Gun, 75mm, tank	5,872	357	6						
<u>Antiaircraft</u>									
Gun, 3" }	2,095	562 }	31						
Gun, 90mm }		90 }							
Gun, 37mm	6,849	508	7						
Machine gun, cal.50 (W.C.)	32,983	1,238	4						
<u>Artillery</u>									
Gun, 75mm (H.S.)	-	948	-						
Howitzer, 75mm, field & pack	352	284	81						
Howitzer, 105mm	3,211	529	16						
Gun, 155mm	283	17	6						
Gun, 155mm (H.S.)	969	198	20						
Howitzer, 155mm (H.S.)	1,043	1,247	120						
<u>Unmodified & other models</u>									
Gun, 75mm	-	2,381	-						
Gun, 155mm	-	767	-						
Howitzer, 155mm	-	535	-						
<u>Infantry Armament</u>									
Rifle, cal.30, M1, semiauto.	1,524,735	355,620	23						
Machine gun, cal.30 (Var.)	176,047	55,369	31						
Machine gun, cal.50 (H.B.)	47,870	3,601	8						
Gun, 37mm, antitank	12,681	2,265	18						
Mortar, 60mm	8,227	6,453	78						
Mortar, 81mm	4,105	2,502	61						

a Included in Infantry Armament.

Stocks exclude substandard models formerly included: (b) 757, (c) 105, (d) 99.

AMMUNITION PROCUREMENT - SUMMARY - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department

Item	Total procurement authorized (THOUSANDS)	Acceptances thru Dec 31 (THOUSANDS)	Percent of total authorization		
			Scheduled thru Dec '42	Due	Accepted
<u>Aircraft & Pyrotechnics</u>					
Bomb, frag., 20#	2,047	494	91	24	24
Bomb, demo., 100#, 300#, 500#	1,698	225	100	13	13
Bomb, demo., 1000#	524	5	71	-	1
Bomb, chem., 30#, 100#	603	220	100	36	36
Cartridge, 20mm	131,690	6,529	99	5	5
Shell, H.E., 37mm	2,497	704	100	26	28
Flares	902	239	100	31	26
Signals	2,946	1,196	100	40	41
<u>Antiaircraft</u>					
Shell, 37mm, H.E.	18,094	1,007	62	4	6
Shell, 40mm, H.E.	14,588	0	37	1	0
Shell, 3", H.E.	2,227	472	100	19	21
Shell, 90mm, H.E.	4,395	198	100	-	5
Shell, 105mm, H.E.	12	0	100	0	0
Shell, 4.7", H.E.	200	0	15	0	0
<u>Artillery</u>					
Shell, H.E., s c, 75mm gun	2,356	626	100	22	27
Shell, g & s, 75mm gun	1,150	102	100	5	9
Shot, A.P., 75mm gun	12,796	0	73	0	0
Shell, H.E., 75mm how.	5,575	273	100	5	5
Shell, H.E., 105mm how.	20,497	353	57	1	2
Shell, H.E., 155mm gun	1,378	2	75	-	-
Charge, prop., 155mm gun	2,092	232	91	12	11
Shell, H.E., 155mm how.	6,230	190	100	3	3
Shell, g & s, 155mm how.	1,634	-	56	1	-
Charge, prop., 155mm how.	8,945	973	100	10	11
Primer, 21 gr.	15,068	299	66	2	2
Fuzes (all)	16,016	3,254	83	20	20
<u>Infantry</u>					
Cartridge, cal.30	8,831,945	821,205	70	9	9
Links, met. belt, cal.30	1,032,222	167,838	63	18	16
Cartridge, cal.45	2,381,889	282,510	29	12	12
Cartridge, cal.50	2,657,358	92,109	56	4	3
Links, met. belt, cal.50	3,129,155	162,020	62	5	5
Shot & shell, 37mm	46,487	768	100	2	2
Shell, H.E., 60mm	11,310	395	68	2	3
Shell, H.E., 81mm	5,808	279	66	3	5
Shell, smoke, 81mm	470	0	89	0	0
Grenade, H.E., frag.	8,749	980	63	11	11
Signals, ground & light	6,948	1,354	100	21	19
Mine, antitank	3,146	0	100	0	0

* Unfilled.

∅ Unfuzed.

Ordnance

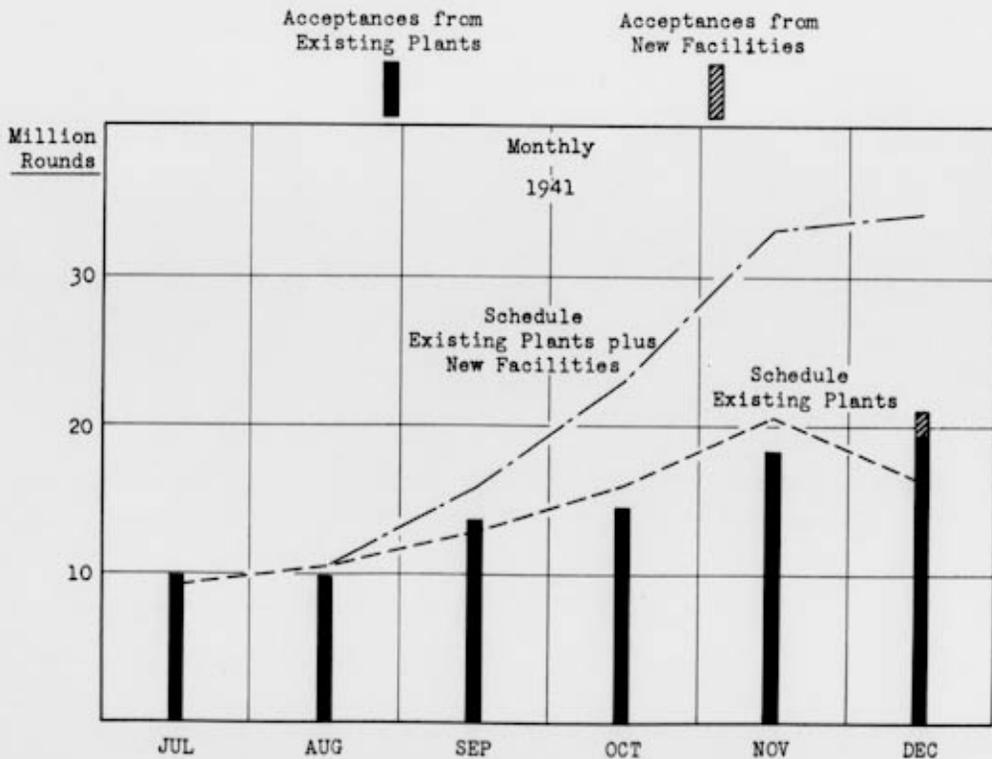
Statistics Branch
OUSW - 1-17-42

CARTRIDGE, CALIBER .50 - SCHEDULES AND ACCEPTANCES - DECEMBER 31, 1941

Source of Information: Small Arms Division, Ordnance Department and B. P. C.

The delay in operation of new small arms ammunition facilities caused actual acceptances of cartridges to fall below the schedules reported last July. Initial tooling operations and employee training have required more time than was allowed for under these estimates. Lake City and St. Louis Ordnance Works reported initial acceptances in December instead of in September.

Schedules for existing plants fell off in December due to the decreased schedule of .50 caliber ball for the British by Remington Arms Company.



NEW FACILITIES - PROGRESS AS OF DECEMBER 31, 1941

Source of Information: Ordnance Department and Production Branch, OUSW

Facility	Construction Percent completed					Equipment Percent delivered								
	%	0	20	40	60	80	100	%	0	20	40	60	80	100
General Motors Corp														
Flint	-							95						
Dayton	-							90						
Saginaw	-							99						
Syracuse	-							98						
Savage Arms Company	-							73						
Colt (Machine Gun)	-							90						
Mesta Machine Co.	-							98						
Chain Belt Co.	-							-						
Fisher Body Div. (GM)	-							-						
Munitions Mfg. Co.	-							-						
R. Hoe Co.	-							-						

Facility	Location	Planned Capacity Monthly	Estimated Cost November 30, 1941		Estimated Month	
			Total (THOUS.)	Actually Obligated (PERCENT)	Initial Operation	Full Operation
<u>Machine Gun</u>						
General Motors	Flint, Mich. } Dayton, Ohio } Saginaw, Mich. }	3,541 } 2,917 }	\$21,251	81	3-41 ⁶	12-41
	Syracuse, N. Y. }				6-41 ⁶	4-42
	Utica, N. Y. }				3-41 ⁶	4-42
	Hartford, Conn. }				8-41 ⁶	1-42
Savage Arms	Utica, N. Y.	3,200	17,717	47	7-41 ⁶	12-41
Colt	Hartford, Conn.	700	4,818	64	6-41 ⁶	4-42
<u>155mm Gun</u>						
Mesta	W. Homestead, Pa.	60	1,680	99	10-41 ⁶	1-42
<u>4.7" Gun A.A.</u>						
Chain Belt	Milwaukee, Wisc.	50	3,745	-	-	-
<u>4.7" Mounts</u>						
Fisher	Grand Rapids, Mich.	50	5,898	-	-	-
<u>3" Gun</u>						
Munitions	Poughkeepsie, N.Y.	200	2,500	-	-	-
<u>3" Recoil Mech.</u>						
R. Hoe	New York, N. Y.	125	947	-	-	-

⌘ Operations actually started.

NEW FACILITIES - PROGRESS AS OF DECEMBER 31, 1941

Source of Information: Ordnance Department and Production Branch, OUSW

Facility	Construction Percent completed						Equipment Percent delivered							
	%	0	20	40	60	80	100	%	0	20	40	60	80	100
Wheland Co.	-	None required						-						
Worthington Pump & Mach.	-	No report						-						
Allis Chalmers	-	No report						-						
Otis Elevator Co.	-	None required						-						
R. Hoe Co.	-	None required						-						
Draper Corp.	-	None required						-						
Olds Motor Works	-	None required						-						
Yoder Co.	-	No report						-						
Colt (37mm Gun)	-	None required						83						
Bendix Aviation Corp.	100							99						

Facility	Location	Planned Capacity Monthly	Estimated Cost November 30, 1941		Estimated Month	
			Total (THOUS.)	Actually Obligated (PERCENT)	Initial Operation	Full Operation
90mm Gun A.A.						
Wheland 90mm Mounts	Chattanooga, Tenn.	70	\$ 1,750	-	-	-
Worthington	Holyoke, Mass.	75	2,522	-	-	-
Allis Chalmers	La Porte, Ind.	80	1,844	-	-	-
90mm Recoil Mech.						
Otis	Yonkers, N. Y.	125	906	-	-	-
R. Hoe	New York, N. Y.	115	580	-	-	-
75mm Pack Howitzer						
Draper	Hopedale, Mass.	150	3,850	-	-	-
75mm Gun, Tank						
Olds Motor	Lansing, Mich.	2,000	8,429	-	-	-
57mm Gun, Antitank						
Yoder	Cleveland, Ohio	300	1,930	-	-	-
37mm Gun						
Colt	Hartford, Conn.	750	4,810	68	6-41φ	1-42
20mm Gun						
Bendix	Elmira, N. Y.	200	1,000	-	8-41φ	2-42

φ Operations actually started.

TEXT SUMMARY - AIRCRAFT PROCUREMENT

Source of Information: Materiel Division - Wright Field

ACCEPTANCES

Acceptances of military airplanes by the Army, Navy, Britain and Defense Aid rose 38 percent during the first quarter of January 1942 in comparison with the first quarter of December 1941. Comparative distribution by type for these two periods was:

	<u>December</u> <u>1-8</u>	<u>January</u> <u>1-8</u>
Bombers	90	59
Pursuits	126	292
Service Combat	26	24
Trainers	199	234
Total	441	609

Bomber acceptances were 31 units less in the January period. Pursuit acceptances, however, were upward. Lockheed delivered 75 pursuits, 2 engine. Of this total, 48 went to the Army and 27 to Britain.

Total acceptances by the Army alone in the first quarter of January amounted to 339 airplanes. This was a new high figure for first period deliveries.

ARMY INVENTORY

The inventory of Army airplanes showed a total gain of 2,293 units in December 1941. This was 94 percent more than the November gain. The unusual increase was due to heavy new production and to taking over stocks earmarked for foreign governments. Requisitions comprised 519 bombers, 448 pursuits, and 24 transports.

FACILITIES AND LABOR

Construction of new facilities is progressing rapidly but equipment deliveries are slow in some instances. Many contractors complain of shortages of necessary machine tools.

There is likewise a shortage of trained personnel. Tool and die workers and supervisors are particularly needed. Added to this problem is the loss and fear of loss of trained men to the military service. Inability to secure replacements and problems of training have prompted many producers to consider the employment of women. Women are already entering the industry in increasing numbers and will eventually fill all jobs to which they are adapted.

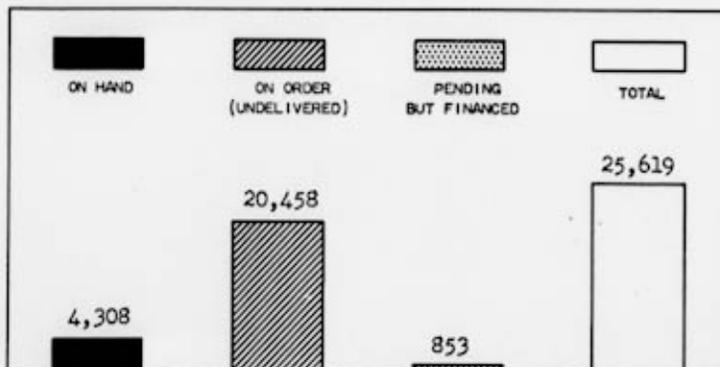
ARMY PROJECT AIRPLANE INVENTORY & STATUS OF PROCUREMENT - JANUARY 8, 1942

Source of Information: Daily Airplane Balance Summary - Air Corps

Tactical programs

Percentages

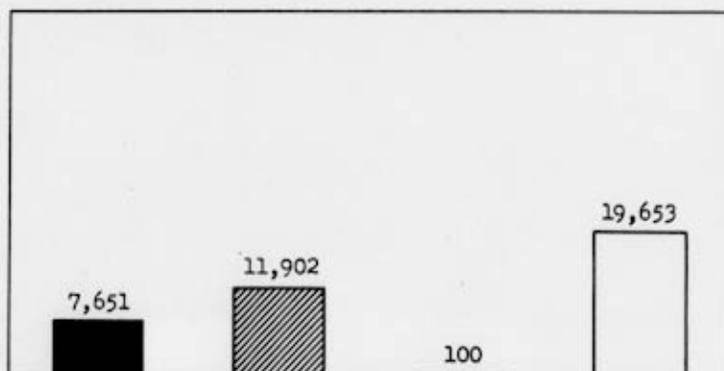
On hand	17%
On order	80%
Pending	3%
Total	100%



Trainer programs

Percentages

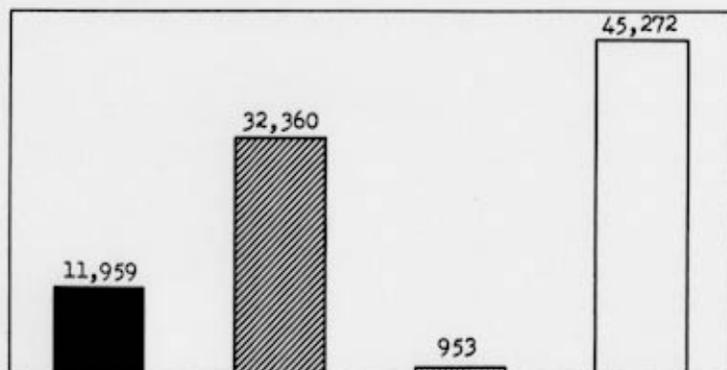
On hand	39%
On order	60%
Pending	1%
Total	100%



Total programs

Percentages

On hand	26%
On order	72%
Pending	2%
Total	100%



Note: On hand figures include both stocks and deliveries against current contracts. Figures subject to change by loss, transfer, and program amendments.

TABULAR SUMMARY - ARMY AIR CORPS CURRENT PROCUREMENT - JANUARY 8, 1942

Source of Information: Consolidated Statistical Report - Air Corps

Item	Army program			Under contract		Delivered 1-8-42 (b)	Not contracted	
	F.Y. 1941 & prior (a)	F.Y. 1942	Total	Num- ber	% of pro- gram		F.Y. 1941	F.Y. 1942
<u>Project airplanes</u>								
Heavy bomber	2,246	3,180	5,426	4,826	89	201	contracted	600
Medium bomber	4,615	-	4,615	4,615	100	478		-
Light bomber	1,882	168	2,050	1,900	93	250		150
Pursuit fighter	23	150	173	173	100	10		-
Pur. inter., 2-eng.	686	1,000	1,686	1,686	100	243		-
Pur. inter., 1-eng.	4,394	4,700	9,094	8,994	99	2,013		100
Observation	533	80	613	613	100	465		-
Transport	1,118	243	1,361	1,361	100	127		-
Amphibian	74	5	79	76	96	2		3
Reconnaissance	17	-	17	17	100	14		-
Total Tactical	15,588	9,526	25,114	24,261	97	3,803		853
<u>Trainer</u>								
Primary trainer	5,490	450	5,940	5,940	100	3,668	All	-
Basic trainer	5,051	1,100	6,151	6,151	100	2,391		-
Adv. trainer, 1-eng.	3,267	360	3,627	3,627	100	1,135		-
Adv. trainer, 2-eng.	2,632	1,150	3,782	3,682	97	304		100
Total Trainer	16,440	3,060	19,500	19,400	99	7,498		
Grand Total	32,028	12,586	44,614	43,661	98	11,301		953
<u>Installation engines</u>								
Heavy bomber	8,984	12,720	21,704	20,104	93	3,002	-	1,600
Medium bomber	9,230	-	9,230	9,650(c)	105	1,775	-	-
Light bomber	3,576	168	3,744	3,744	100	1,370	-	-
Pursuit fighter	46	300	346	346	100	20	-	-
Pur. inter., 2-eng.	1,372	2,000	3,372	3,372	100	1,294	-	-
Pur. inter., 1-eng.	4,394	4,700	9,094	8,994	99	2,318	-	100
Observation	533	80	613	613	100	613	-	-
Transport	2,358	486	2,844	2,784	98	823	34	26
Amphibian	148	6	154	151	97	126	-	3
Reconnaissance	34	-	34	34	100	34	-	-
Total Tactical	30,675	20,460	51,135	49,792	97	11,375	34	1,729
<u>Trainer</u>								
Primary trainer	5,490	450	5,940	5,940	100	3,996	-	-
Basic trainer	5,051	1,100	6,151	6,472(c)	105	3,006	-	-
Adv. trainer, 1-eng.	3,267	360	3,627	3,627	100	2,267	-	-
Adv. trainer, 2-eng.	5,264	2,300	7,564	6,384	84	2,477	80	1,100
Total Trainer	19,072	4,210	23,282	22,423	96	11,746(d)	80	1,100
Grand Total	49,747	24,670	74,417	72,215(c)	97	23,121	114	2,829

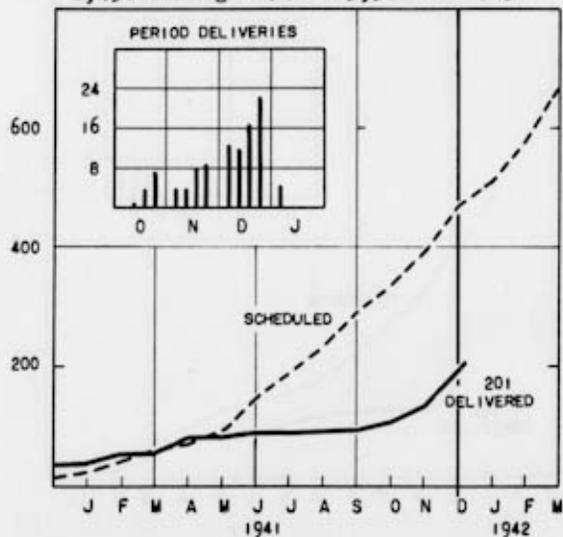
- (a) Includes project airplane contracts incomplete June 30, 1940 with their matching installation engine contracts.
 (b) Engine deliveries reflect new production, assignments from stock pools, and transfers between installation and spare categories.
 (c) Amount under contract exceeds installation requirement.
 (d) Not including 185 unassigned trainer engines.

Air Corps

Statistics Branch
 OUSW - 1-17-42

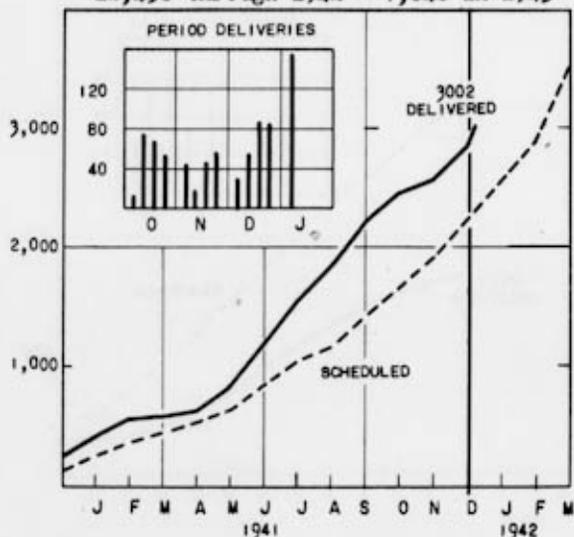
ARMY PROJECT AIRPLANES

4,826 HEAVY BOMBER
1,456 through 1942 - 3,370 in 1943

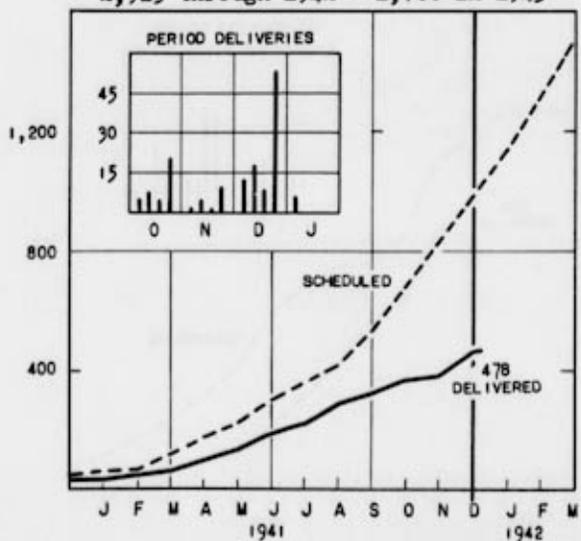


ARMY INSTALLATION ENGINES

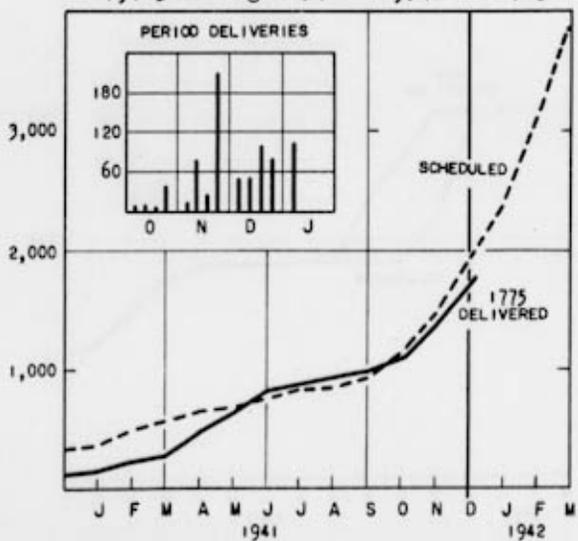
20,104 HEAVY BOMBER
12,456 through 1942 - 7,648 in 1943



4,615 MEDIUM BOMBER
2,915 through 1942 - 1,700 in 1943

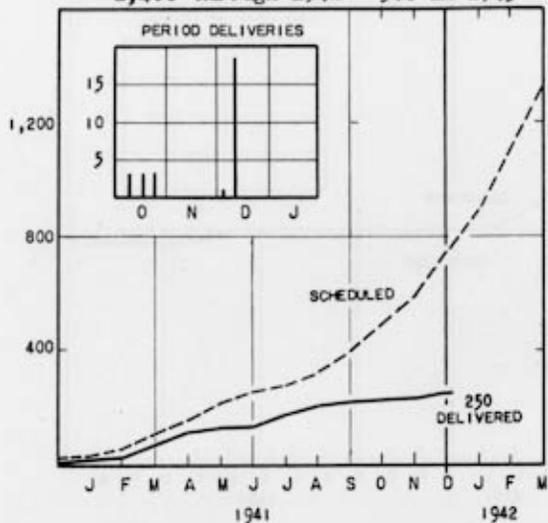


9,650 MEDIUM BOMBER
7,703 through 1942 - 1,947 in 1943



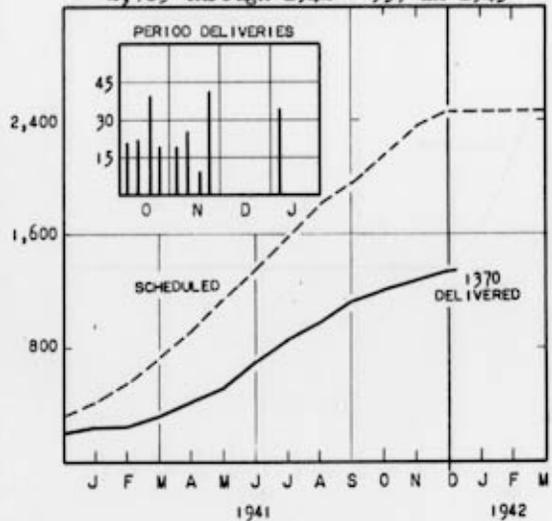
ARMY PROJECT AIRPLANES

1,900 LIGHT BOMBER
1,400 through 1942 - 500 in 1943

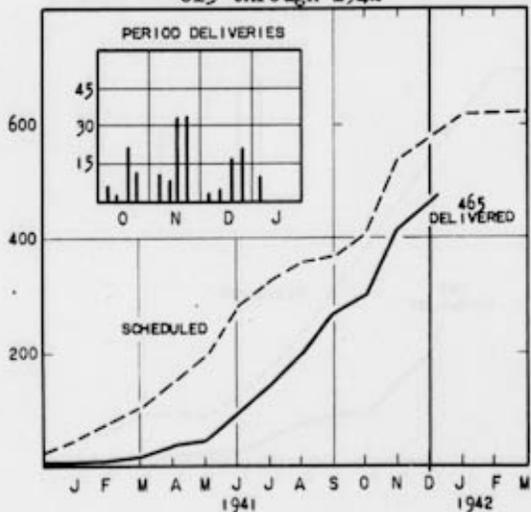


ARMY INSTALLATION ENGINES

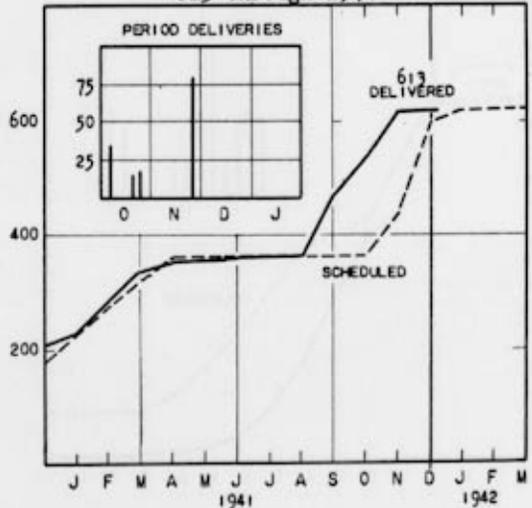
3,744 LIGHT BOMBER
2,785 through 1942 - 959 in 1943



613 OBSERVATION
613 through 1942

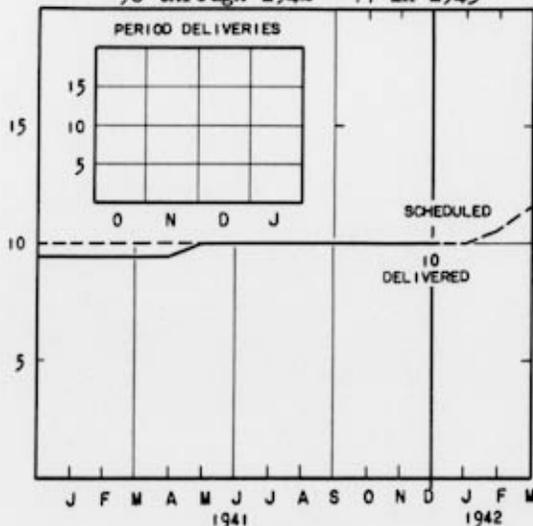


613 OBSERVATION
613 through 1942



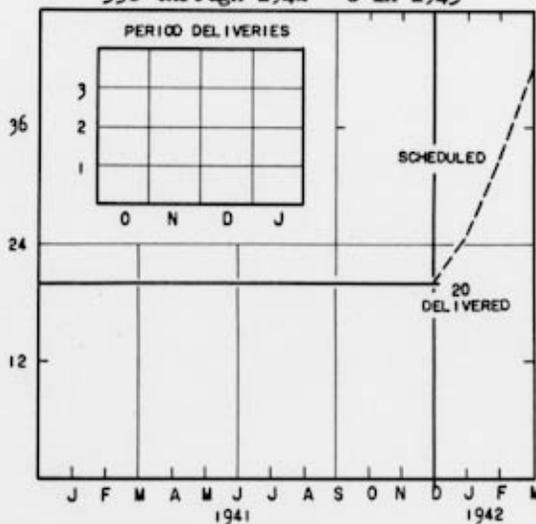
ARMY PROJECT AIRPLANES

173 PURSUIT FIGHTER
96 through 1942 - 77 in 1943

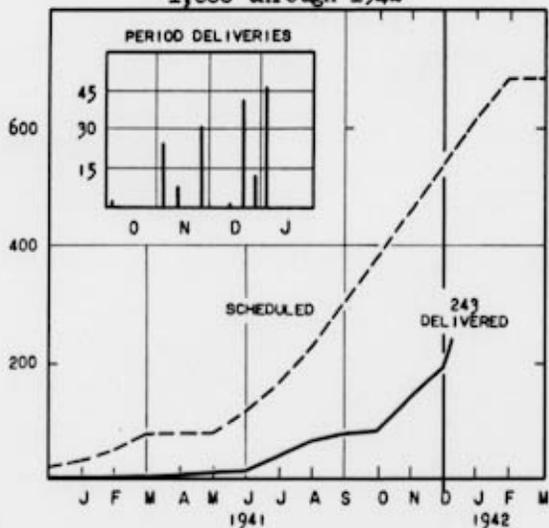


ARMY INSTALLATION ENGINES

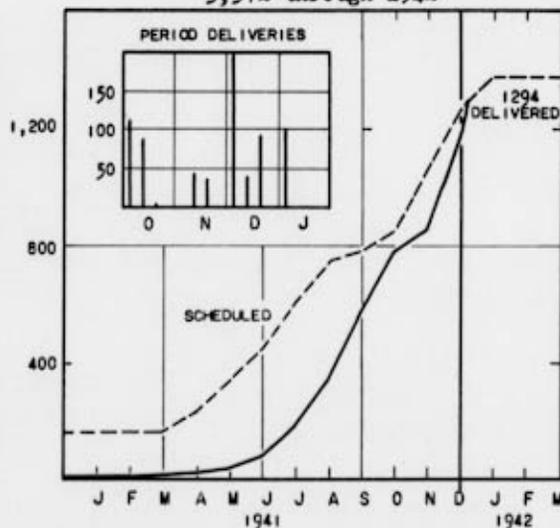
346 PURSUIT FIGHTER
338 through 1942 - 8 in 1943



1,686 PURSUIT INTER., 2 ENG.
1,686 through 1942

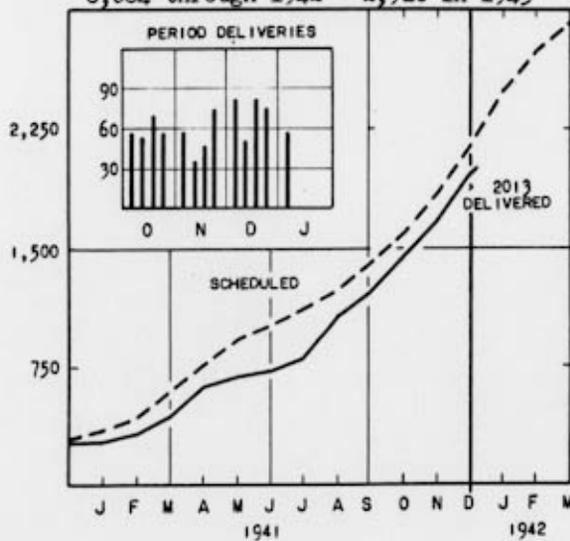


3,372 PURSUIT INTER., 2 ENG.
3,372 through 1942



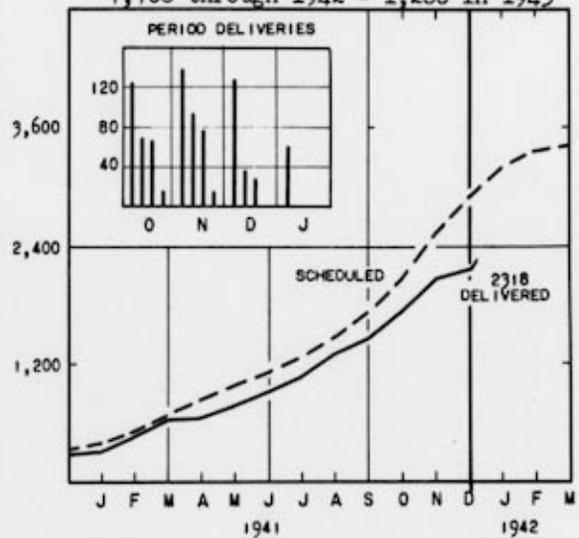
ARMY PROJECT AIRPLANES

8,994 PURSUIT INTER., 1 ENG.
6,084 through 1942 - 2,910 in 1943

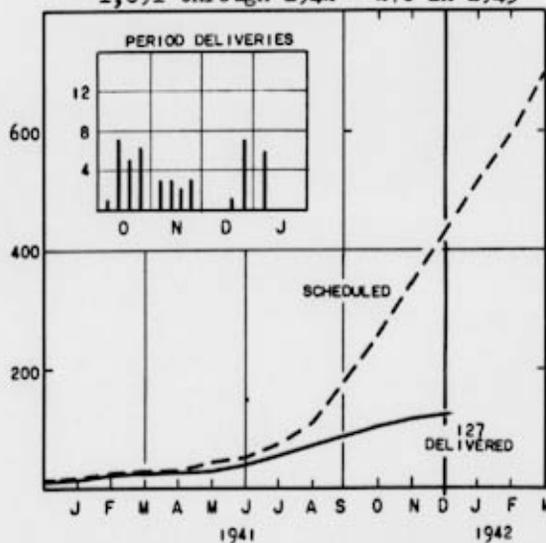


ARMY INSTALLATION ENGINES

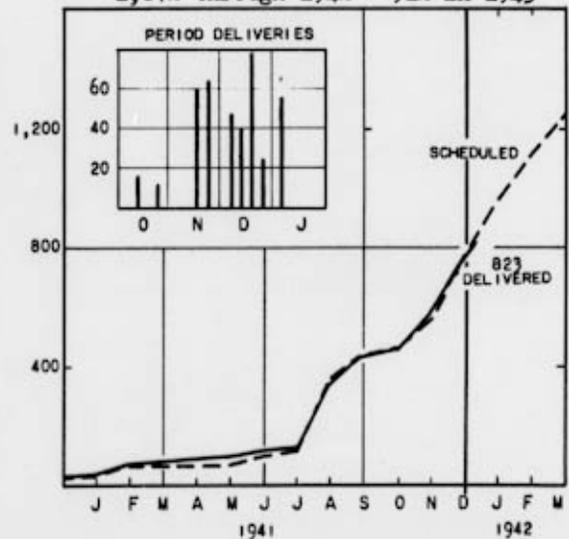
8,994 PURSUIT INTER., 1 ENG.
7,708 through 1942 - 1,286 in 1943



1,361 TRANSPORT
1,091 through 1942 - 270 in 1943

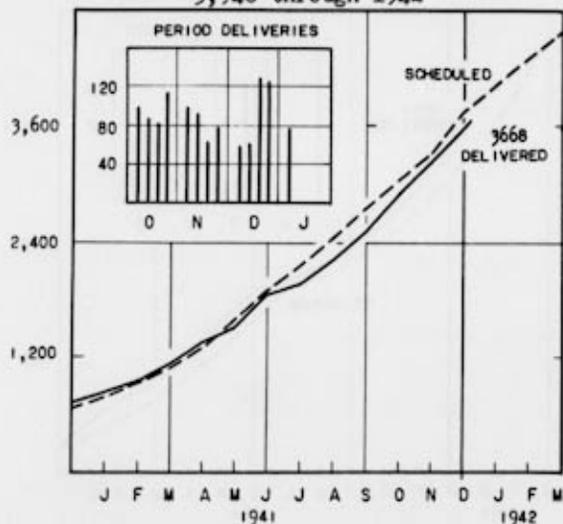


2,784 TRANSPORT
1,872 through 1942 - 912 in 1943



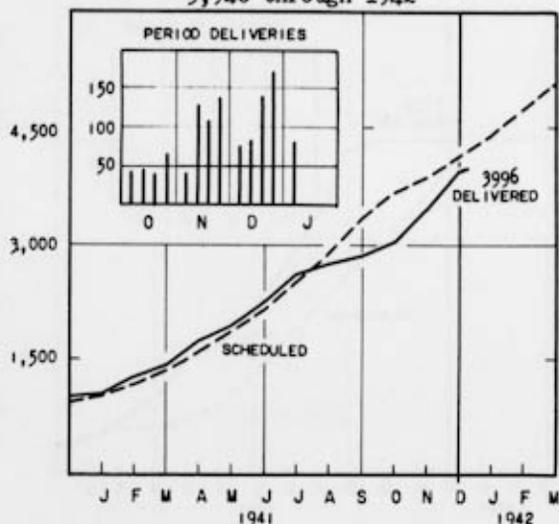
ARMY PROJECT AIRPLANES

5,940 PRIMARY TRAINER
5,940 through 1942

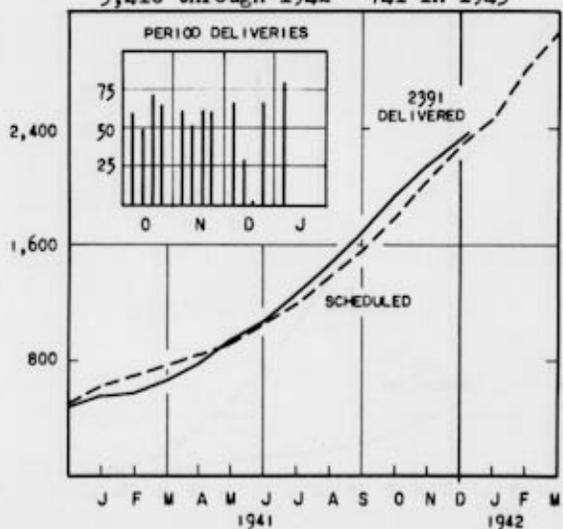


ARMY INSTALLATION ENGINES

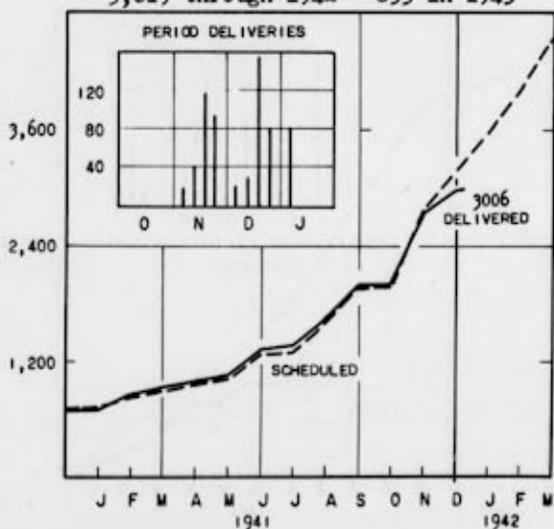
5,940 PRIMARY TRAINER
5,940 through 1942



6,151 BASIC TRAINER
5,410 through 1942 - 741 in 1943

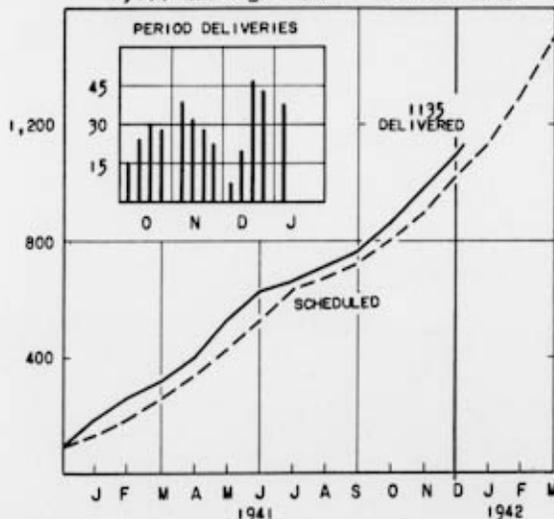


6,472 BASIC TRAINER
5,619 through 1942 - 853 in 1943



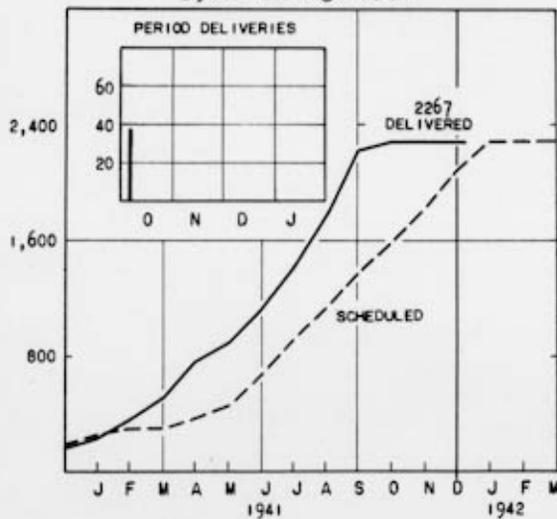
ARMY PROJECT AIRPLANES

3,627 ADVANCE TRAINER, 1 ENGINE
2,799 through 1942 - 828 in 1943

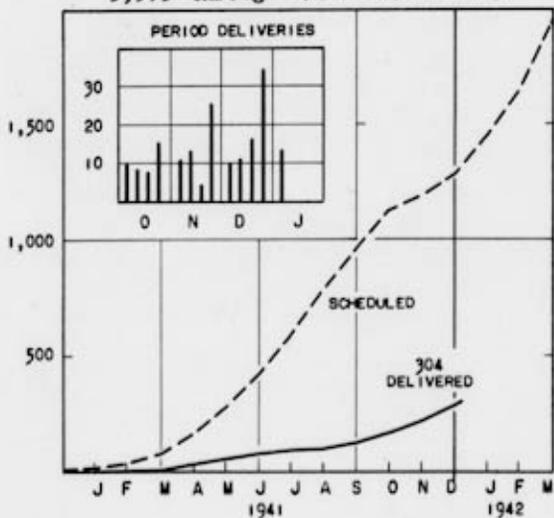


ARMY INSTALLATION ENGINES

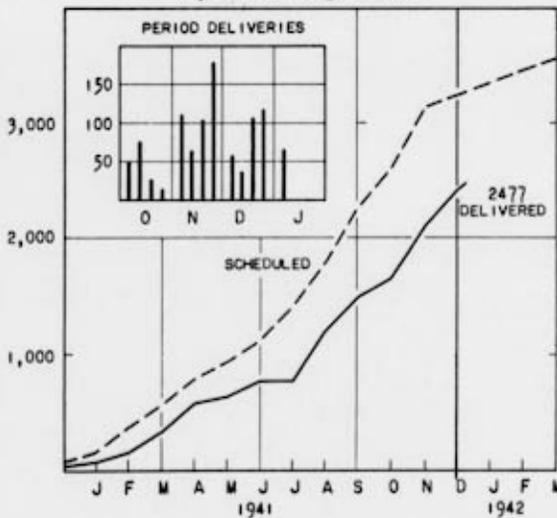
3,627 ADVANCE TRAINER, 1 ENGINE
3,627 through 1942



3,682 ADVANCE TRAINER, 2 ENGINE
3,593 through 1942 - 89 in 1943

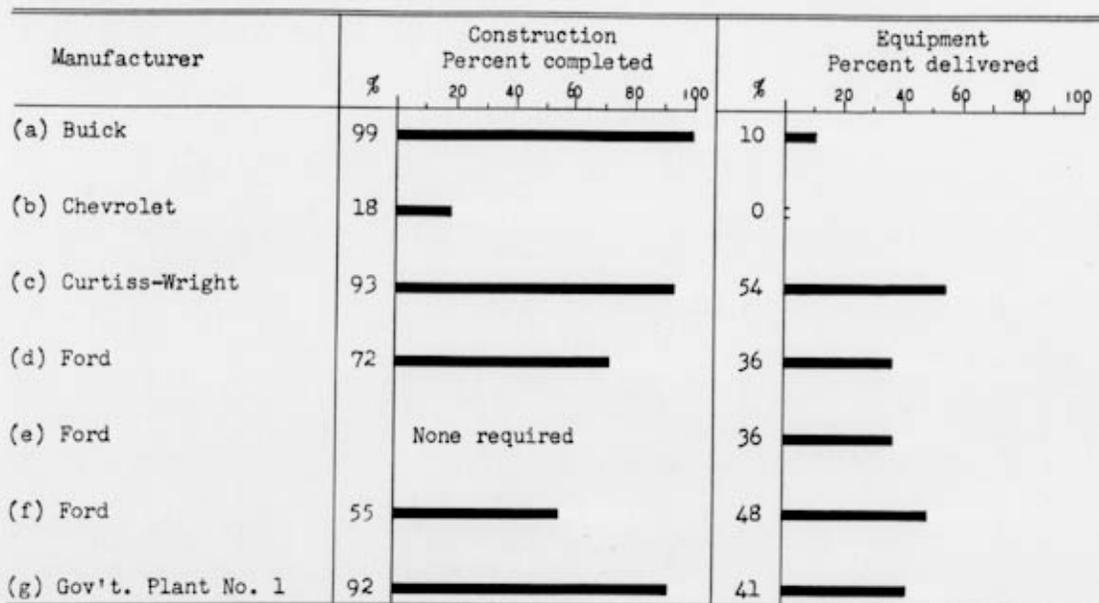


6,384 ADVANCE TRAINER, 2 ENGINE
6,384 through 1942



NEW AIRCRAFT FACILITIES - ARMY SPONSORED PROJECTS - DECEMBER 15, 1941

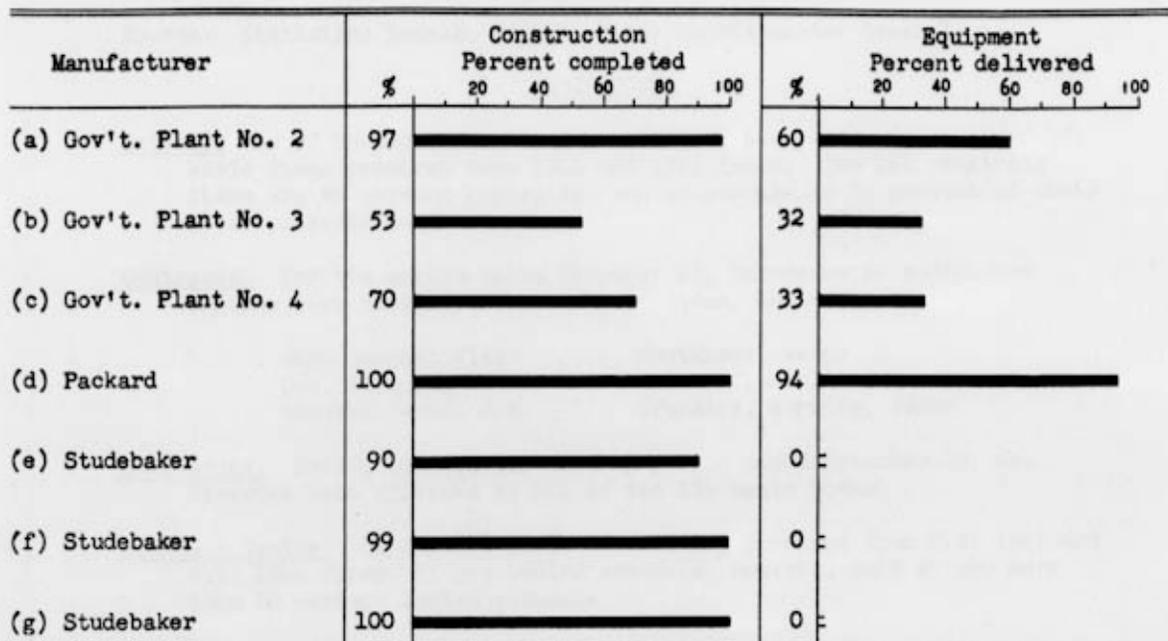
Source of Information: Facilities Section, Materiel Division - Air Corps



Plant location	Item to be produced	Planned expansion (thousands)		Estimated total cost (thousands)	Estimated completion dates	
		Sq. ft.	Workers		Plant	Equip.
(a) Melrose, Ill.	Engines	2,444	21	\$31,075	?	1-42
(b) Buff.-Tonawanda, N.Y.	Engines	1,681	14	37,162	5-42	6-42
(c) St. Louis, Mo.	Airframes	1,163	11	15,145	2-42	6-42
(d) Dearborn, Mich.	Engines	402	17	4,122	1-42	7-42
(e) Dearborn, Mich.	Engines	1,436	26	9,789	-	6-42
(f) Ypsilanti, Mich.	Airframes	3,882	45	47,620	2-42	1-42
(g) Omaha, Nebr.	Airframes	1,400	8	15,901	5-42	8-42

NEW AIRCRAFT FACILITIES - ARMY SPONSORED PROJECTS - DECEMBER 15, 1941

Source of Information: Facilities Section, Materiel Division - Air Corps



Plant location	Item to be produced	Planned expansion (thousands)		Estimated total cost (thousands)	Estimated completion dates	
		Sq.ft.	Workers		Plant	Equip.
(a) Kansas City, Kan.	Airframes	1,000	12	\$11,199	1-42	1-42
(b) Tulsa, Okla.	Airframes	1,500	15	25,157	4-42	6-42
(c) Fort Worth, Texas	Airframes	1,500	15	21,553	1-42	4-42
(d) Detroit, Mich.	Engines	1,000	16	29,850	7-41*	1-42
(e) Chicago, Ill.	Engines	575	5	20,556	1-42	2-42
(f) Fort Wayne, Ind.	Engines	225	1	9,023	1-42	2-42
(g) South Bend, Ind.	Engines	897	4	20,207	10-41*	2-42

* Actual completion date

TEXT SUMMARY - QUARTERMASTER PROCUREMENT - January 15, 1942

Source: Statistics Branch, Office of the Quartermaster General

BASIC ITEMS

General: As of December 23, complete delivery has been made on 13 of 174 basic items procured from 1941 and 1942 funds. The 161 remaining items are 85 percent contracted and an average of 55 percent of their total programs has been procured.

Contracts: For the period ended December 23, increases in contracted amounts were indicated for 14 basic items, including:

Bag, canvas, field	Container, water
Bar, mosquito	Shirt, flannel
Blanket, wool, o.d.	Trousers, working, denim

Deliveries: During the quarter-monthly period ended December 23, deliveries were effected on 121 of the 174 basic items.

Schedule Status: Of the 174 basic items being procured from F.Y. 1941 and F.Y. 1942 funds. 55 are behind schedule; however, only 21 are more than 10 percent behind schedule.

MOTOR VEHICLES

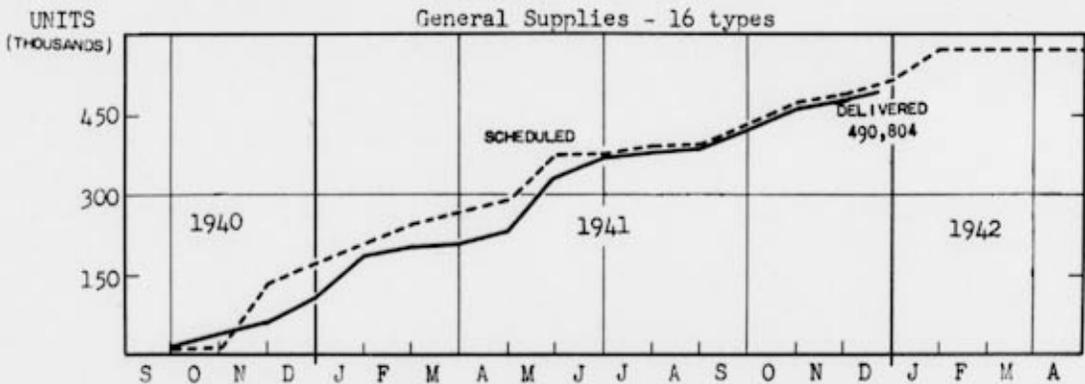
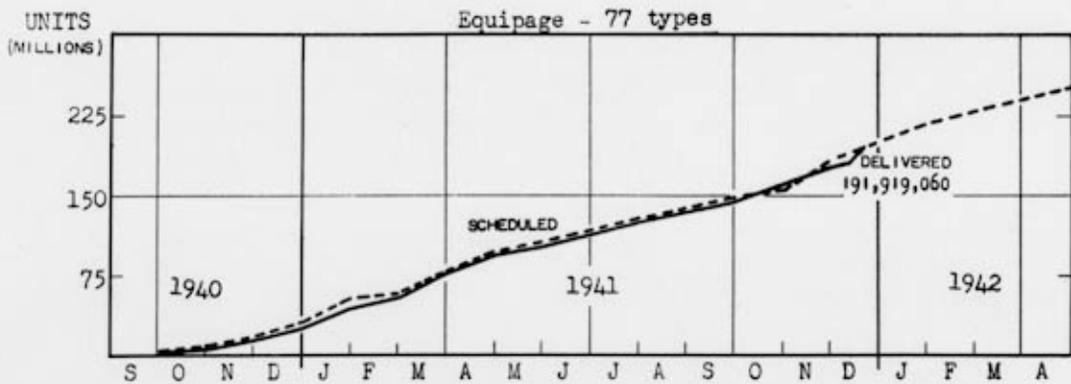
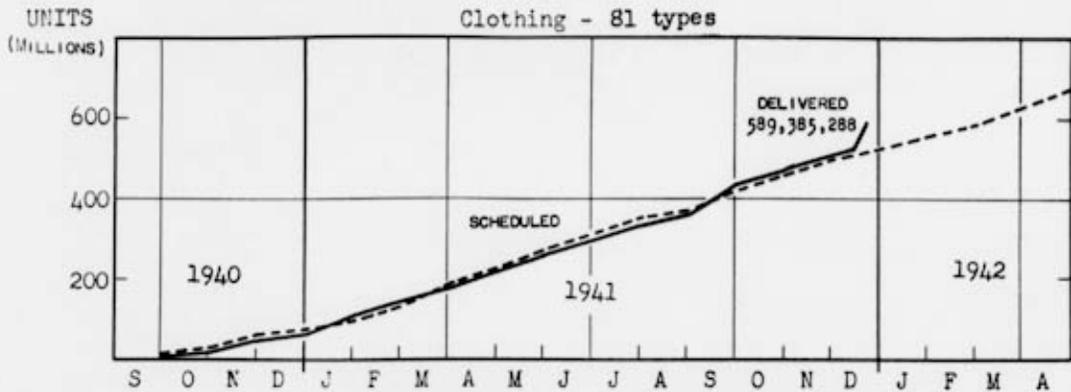
Contracts: As of December 31, contracts have been awarded for 290,917 vehicles, obligating 412 million dollars of 1941 and 1942 funds. Under 1941 funds, 100 percent of the program of 242,234 vehicles has been contracted and 89 percent delivered. Of the 1942 funds, 98 percent of the program of 49,697 vehicles has been contracted and 9 percent delivered.

Deliveries: During the quarter-monthly period ended December 31, deliveries were reported on 4,793 vehicles at a cost of \$6,129,119 under 1941 and 1942 funds. Deliveries were reported on 4,168 vehicles at a cost of \$5,547,282 under 1941 funds. This brings the cumulative deliveries under 1941 funds to 214,754 vehicles at a cost of 295 million dollars, and the cumulative delivery figure under 1942 funds to 4,437 vehicles at a cost of \$5,789,873.

Schedule Status: Based on estimated delivery schedules, 6,548 vehicles distributed among 19 manufacturers were behind schedule; 3,045 vehicles, however, were delivered ahead of schedule.

PROCUREMENT OF Q.M.C. ITEMS OF SUPPLY - F. Y. 1941 and 1942 - December 23, 1941

Source: Statistics Branch, Office of the Quartermaster General



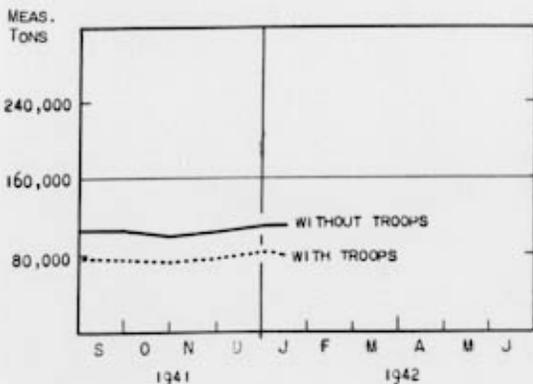
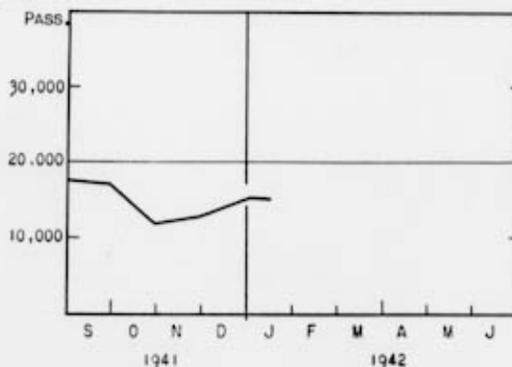
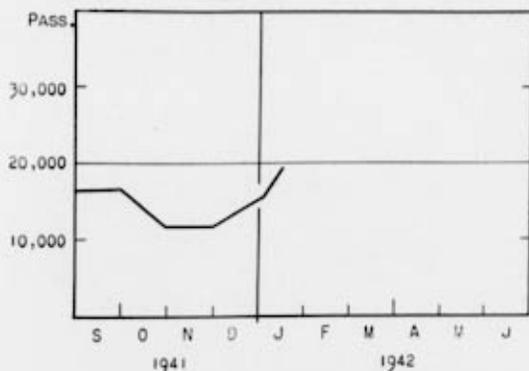
CAPACITIES OF Q. M. C. OCEANGOING VESSELS - January 13, 1942

Source: Statistics Branch, Office of the Quartermaster General

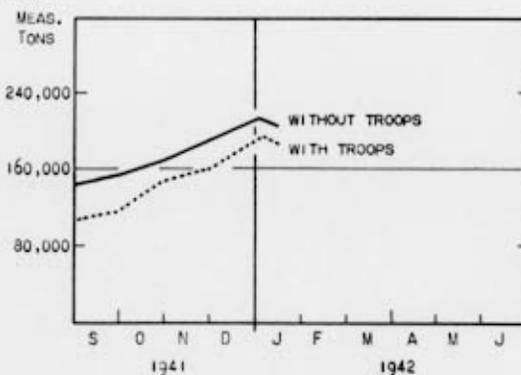
ATLANTIC OCEAN

PACIFIC OCEAN

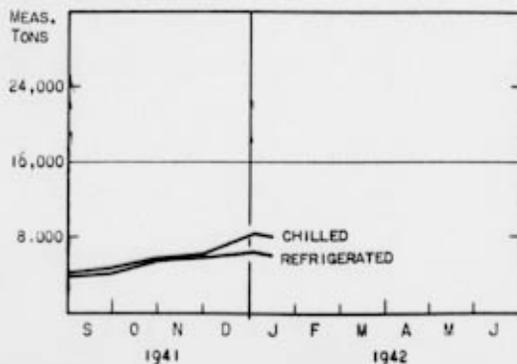
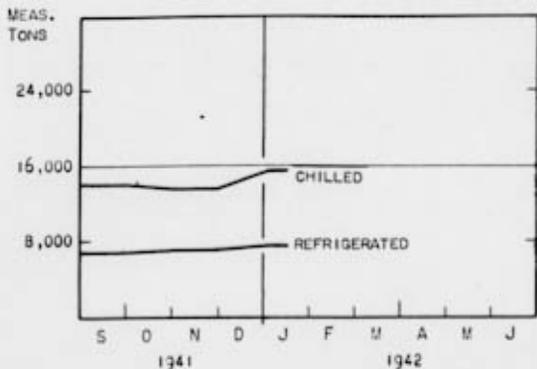
PASSENGER



CARGO

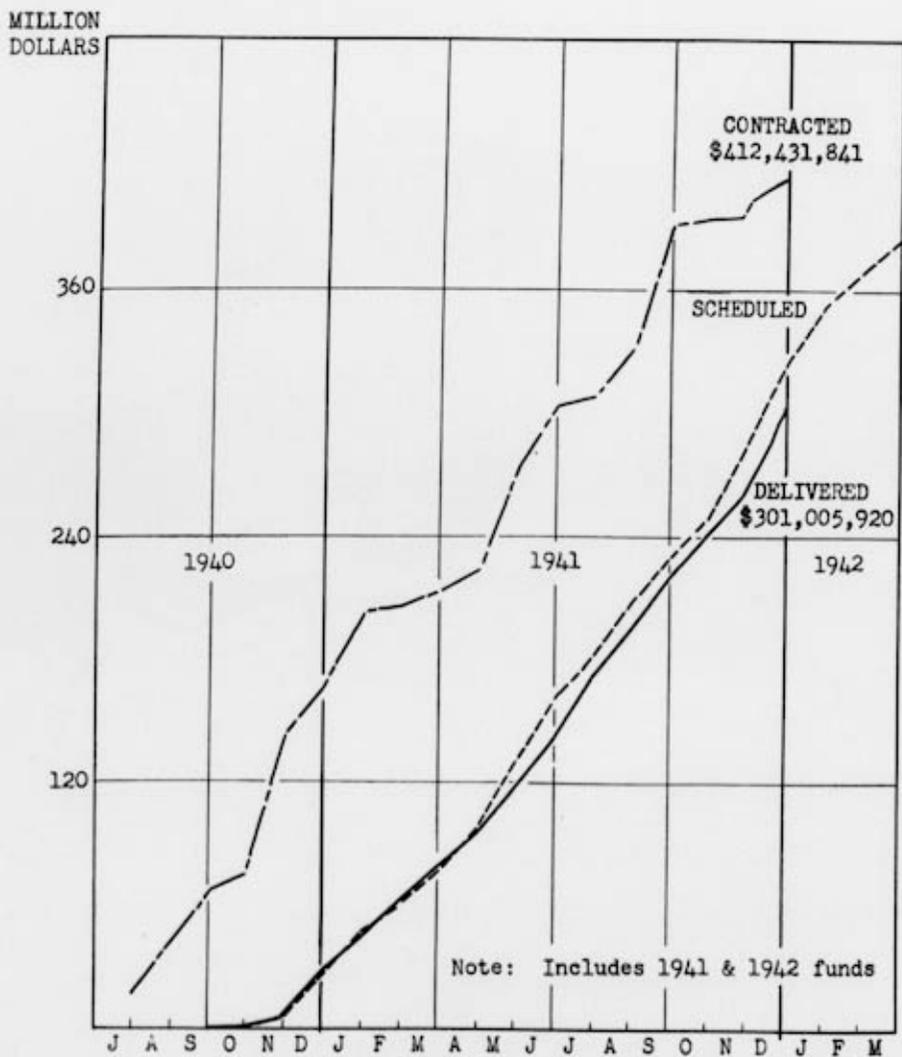


REFRIGERATED AND CHILLED



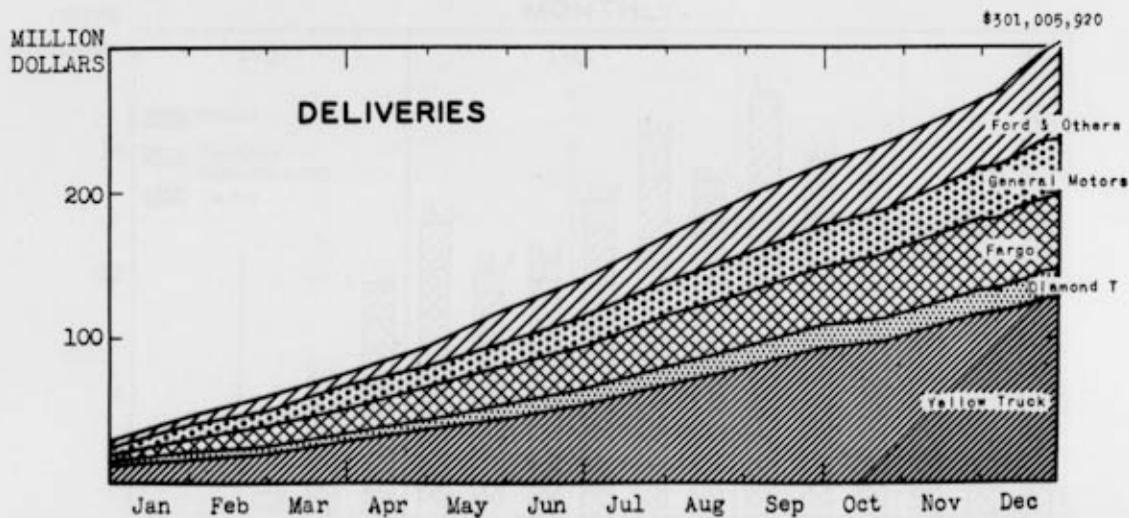
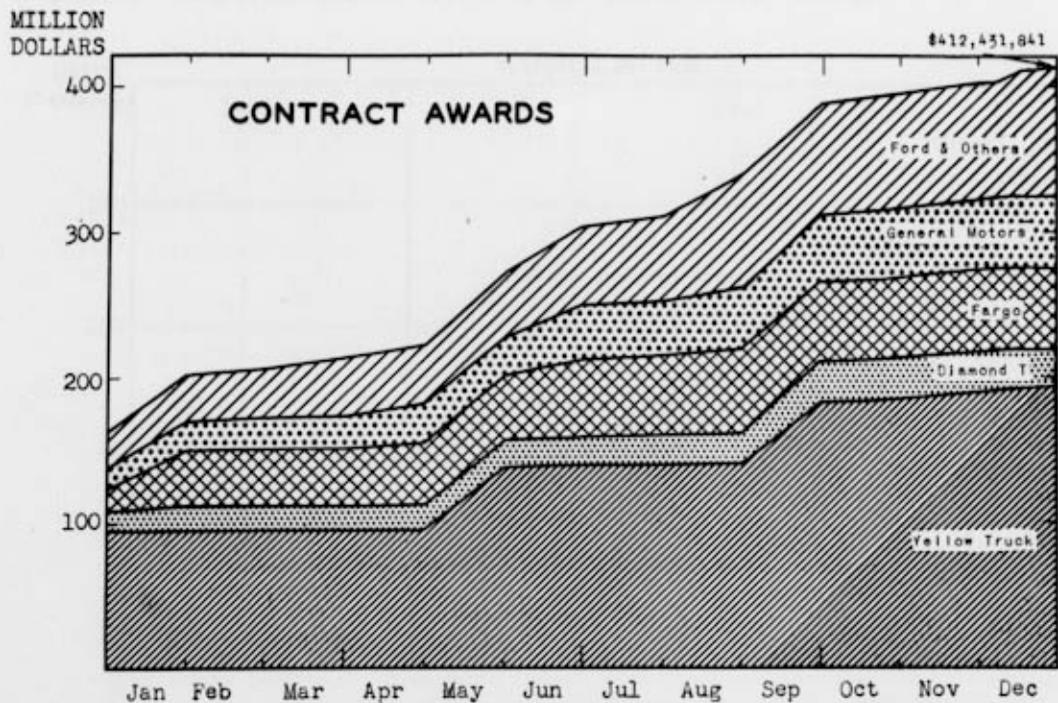
QUARTERMASTER CORPS - PROCUREMENT OF MOTOR VEHICLES - December 31, 1941

Source of Information: Office of the Quartermaster General - Statistics Branch, OUSW



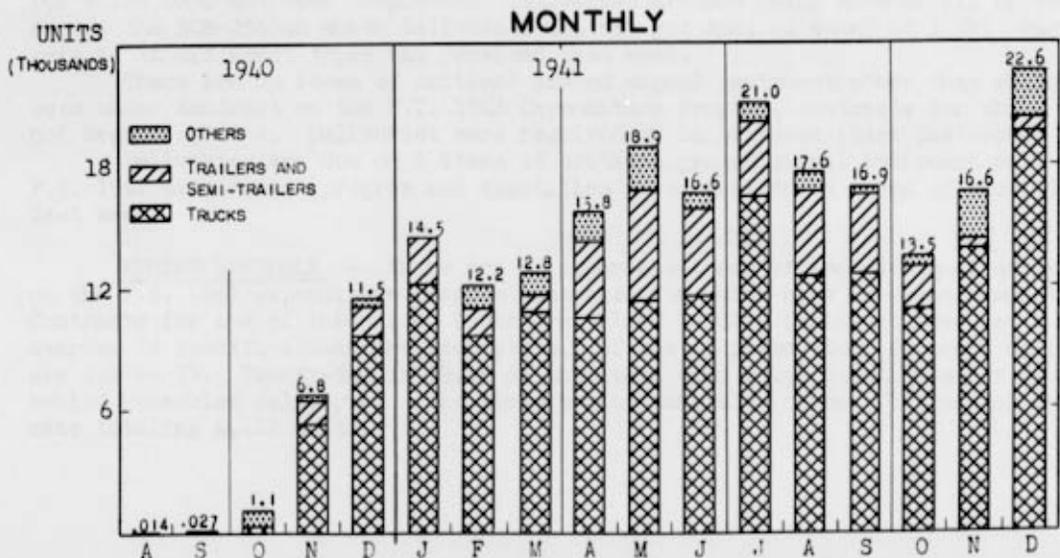
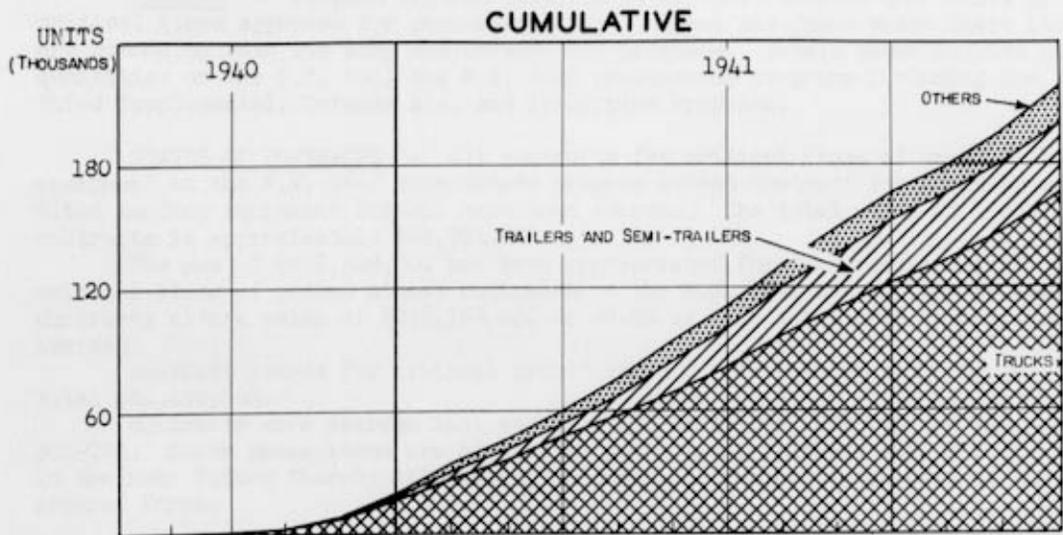
MOTOR VEHICLE PROCUREMENT BY CONTRACTORS - F. Y. 1941 and 1942

Source: Statistics Branch, Office of the Quartermaster General - Dec. 31, 1941



DELIVERIES OF MOTOR VEHICLES - F. Y. 1941 and 1942 PROCUREMENT

Source: Statistics Branch, Office of the Quartermaster General



TEXT SUMMARY - SIGNAL CORPS PROCUREMENT - GROUND - JANUARY 10, 1942

Source of Information: Office of the Chief Signal Officer, Procurement Division

PROGRAM - Program figures shown in this report include quantities of critical items approved for procurement with Defense Aid funds where these items are common to both our Army and Defense Aid programs. Totals shown include all quantities on the F.Y. 1941 and F.Y. 1942 procurement programs including the Third Supplemental, Defense Aid, and Philippine Programs.

STATUS OF CONTRACTS - All contracts for critical items of ground signal equipment on the F.Y. 1941 expenditure program except contract for 20 Instrument Blind Landing Equipment SCR-251 have been awarded. The total value of these contracts is approximately \$94,921,000.

The sum of \$373,528,000 has been appropriated for the procurement of critical items of ground signal equipment on the F.Y. 1942 Expenditure Programs. Contracts with a value of \$256,199,000 or 68.6% of this total have already been awarded.

Contract awards for critical ground items on the Defense Aid program total \$64,450,000.

Contracts were awarded last week for 110 additional SCR-293 and 240 more SCR-294. Since these items are already in production, delivery may be anticipated in the near future thereby alleviating the need for radios in vehicles of the Armored Force.

DELIVERIES - Deliveries of critical ground items on the F.Y. 1941 procurement program now total \$64,636,000 or 68.1% of the total contract awards. This total compares with \$63,890,000 reported in the previous weekly report.

There are 20 types of ground radio sets on the F.Y. 1941 program, contracts for which have not been completed. Deliveries are now being made on all of these except the SCR-255 on which deliveries are not yet due. A total of 1,391 radio sets of 14 different types was received last week.

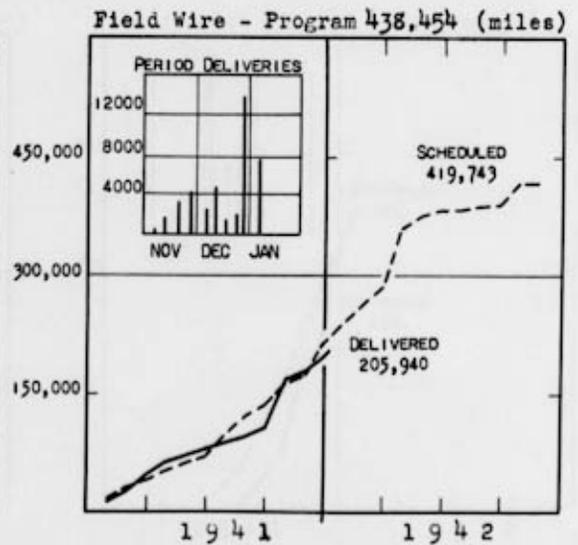
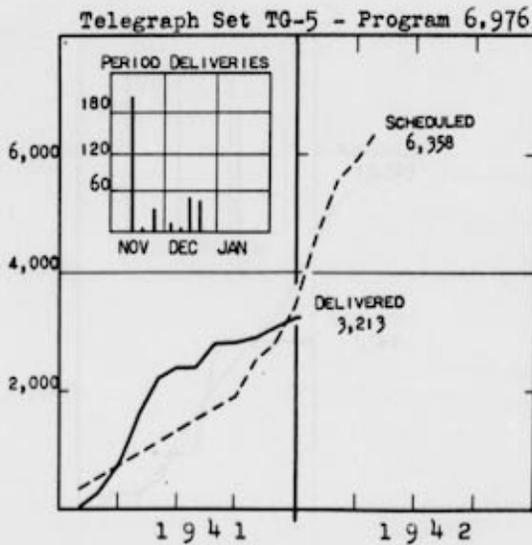
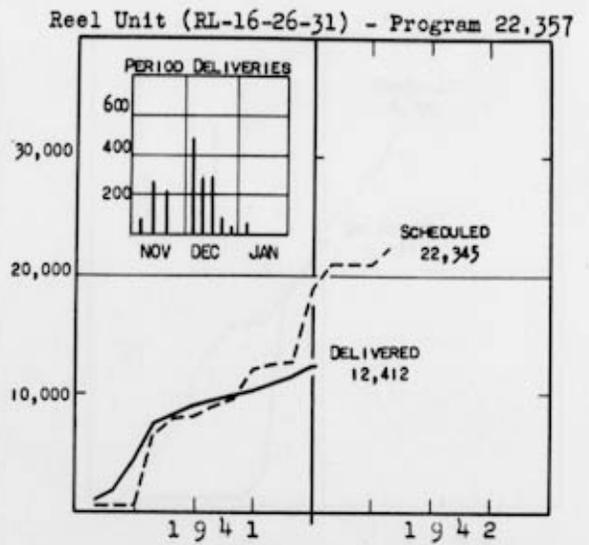
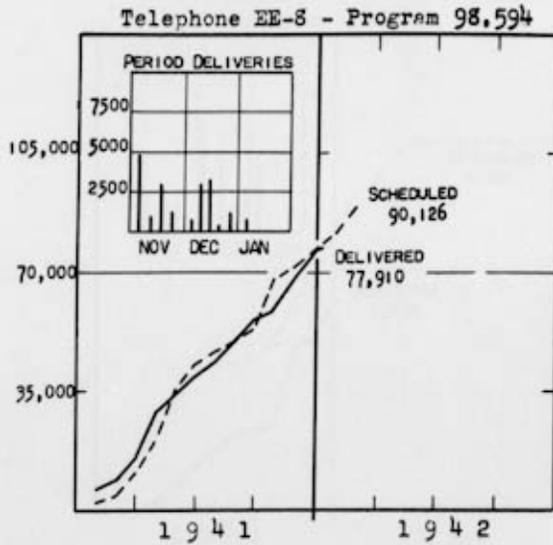
There are 23 items of critical ground signal equipment other than radio sets under contract on the F.Y. 1941 Expenditure Program, contracts for which have not been completed. Deliveries were received on 14 of these items last week.

Deliveries are due on 9 items of critical ground signal equipment on the F.Y. 1942 procurement program and quantities were received on three of these items last week.

BEHIND SCHEDULE - There are 44 important items of ground signal equipment on the F.Y. 1941 expenditure program contracts for which have not been completed. Contracts for one of these i.e. Instrument Blind Landing Equipment have not been awarded as specifications are incomplete. Of the 43 items under contract deliveries are due on 37. Twenty-two or 59.5% of the items upon which quantities are due are behind scheduled deliveries. The items behind schedule include 11 types of radio sets totaling 4,412 units.

SIGNAL CORPS PROCUREMENT - SELECTED ITEMS - WIRE COMMUNICATION - JANUARY 10, 1942

Source of Information: Procurement Division, Office of the Chief Signal Officer



TEXT SUMMARY - CORPS OF ENGINEERS - PROCUREMENT PROGRESS THROUGH JANUARY 8, 1942

Source of Information: Supply Section, Office of the Chief of Engineers

STATUS OF PROGRAM

There are 57 items on the Engineer program being followed by this office. Some of these items such as the 1500-gallon water semi-trailer are so recent that no contracts have yet been let. A summary of the activity of these items shows:

Program completed	4
Active and ahead of schedule	6
Active but behind schedule	13
Inactive during January	<u>34</u>
	57

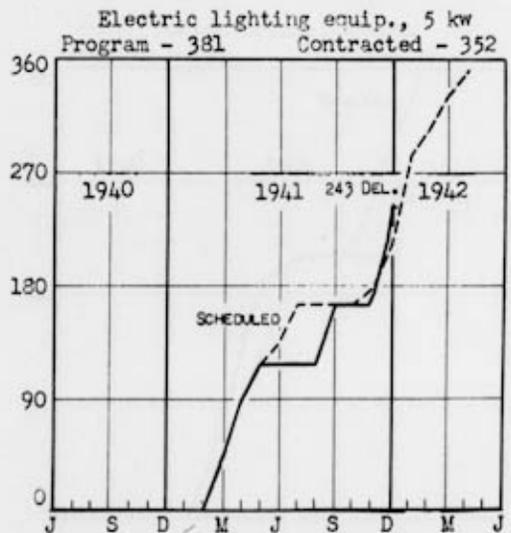
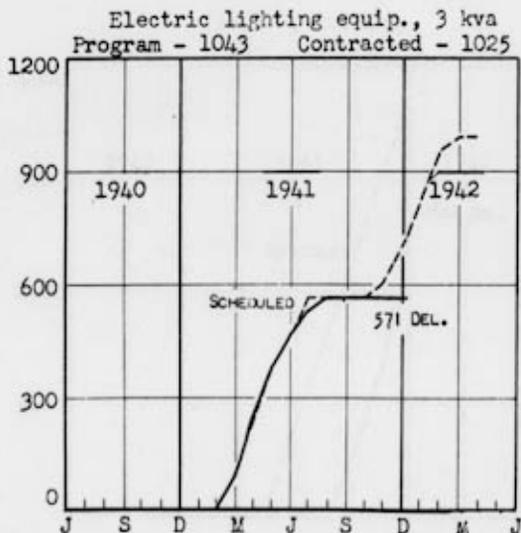
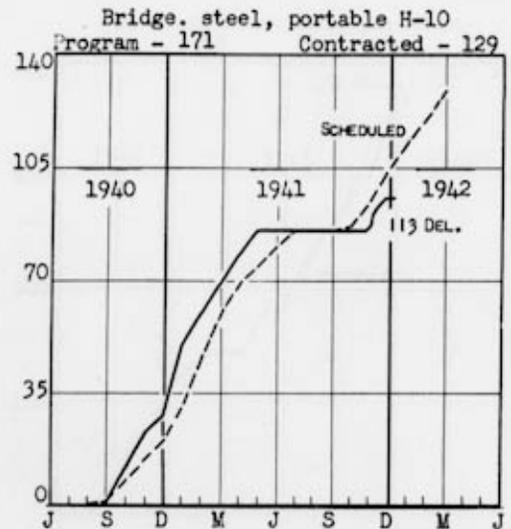
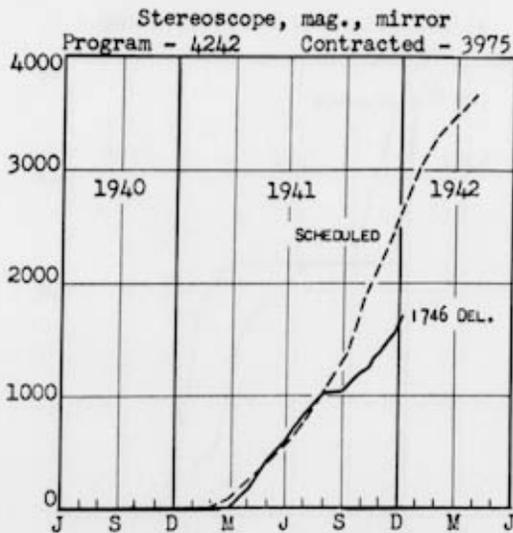
60" ANTI-AIRCRAFT SEARCHLIGHT

The delivery rate for the 60" searchlight has been showing an increase during the past 4 periods because of the remarkable spurt being made by The Sperry Gyroscope Corporation. In the period December 8 - January 8 this company has produced at almost double its scheduled rate. A recapitulation of the results of both Sperry and The General Electric Company is:

		<u>Sperry Corp</u>	<u>General Electric</u>	<u>Total</u>
Dec. 8, 1941	Scheduled	1078	713	1791
	Delivered	<u>871</u>	<u>712</u>	<u>1583</u>
	Behind	207	1	208
For period				
Dec 8 - Jan 8	Scheduled	75	38	113
	Delivered	<u>145</u>	<u>31</u>	<u>176</u>
	Excess	70	- 7	63
Jan. 8, 1942	Scheduled	1153	751	1904
	Delivered	<u>1016</u>	<u>743</u>	<u>1759</u>
	Behind	137	8	145

CORPS OF ENGINEERS - STATUS OF FOUR SELECTED ITEMS - JANUARY 8, 1942

Source of Information: Supply Section, Office of the Chief of Engineers



CORPS OF ENGINEERS - STATUS OF FOUR SELECTED ITEMS - JANUARY 8, 1942

Source of Information: Supply Section, Office of the Chief of Engineers

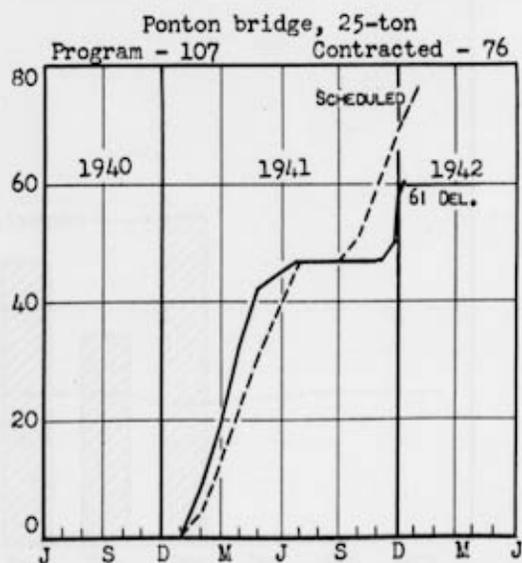
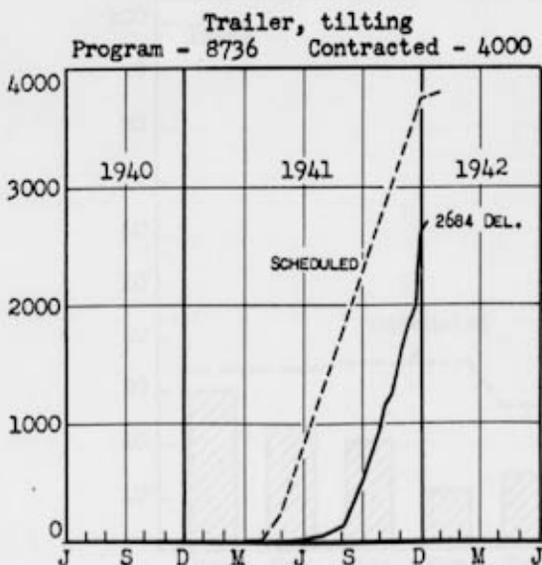
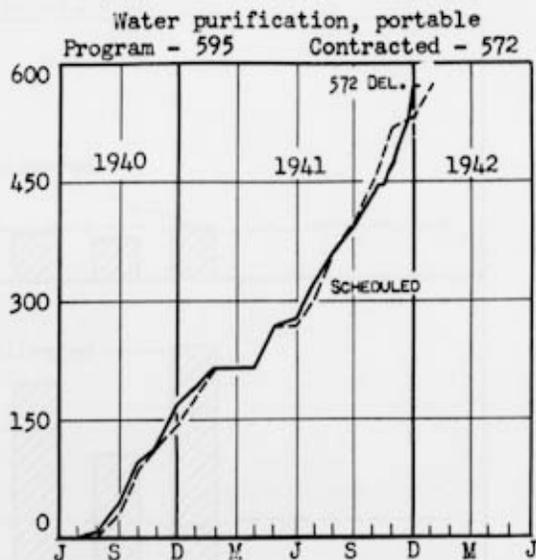
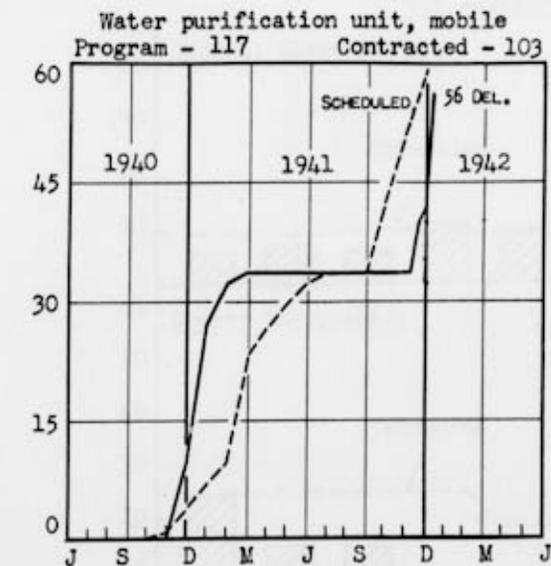
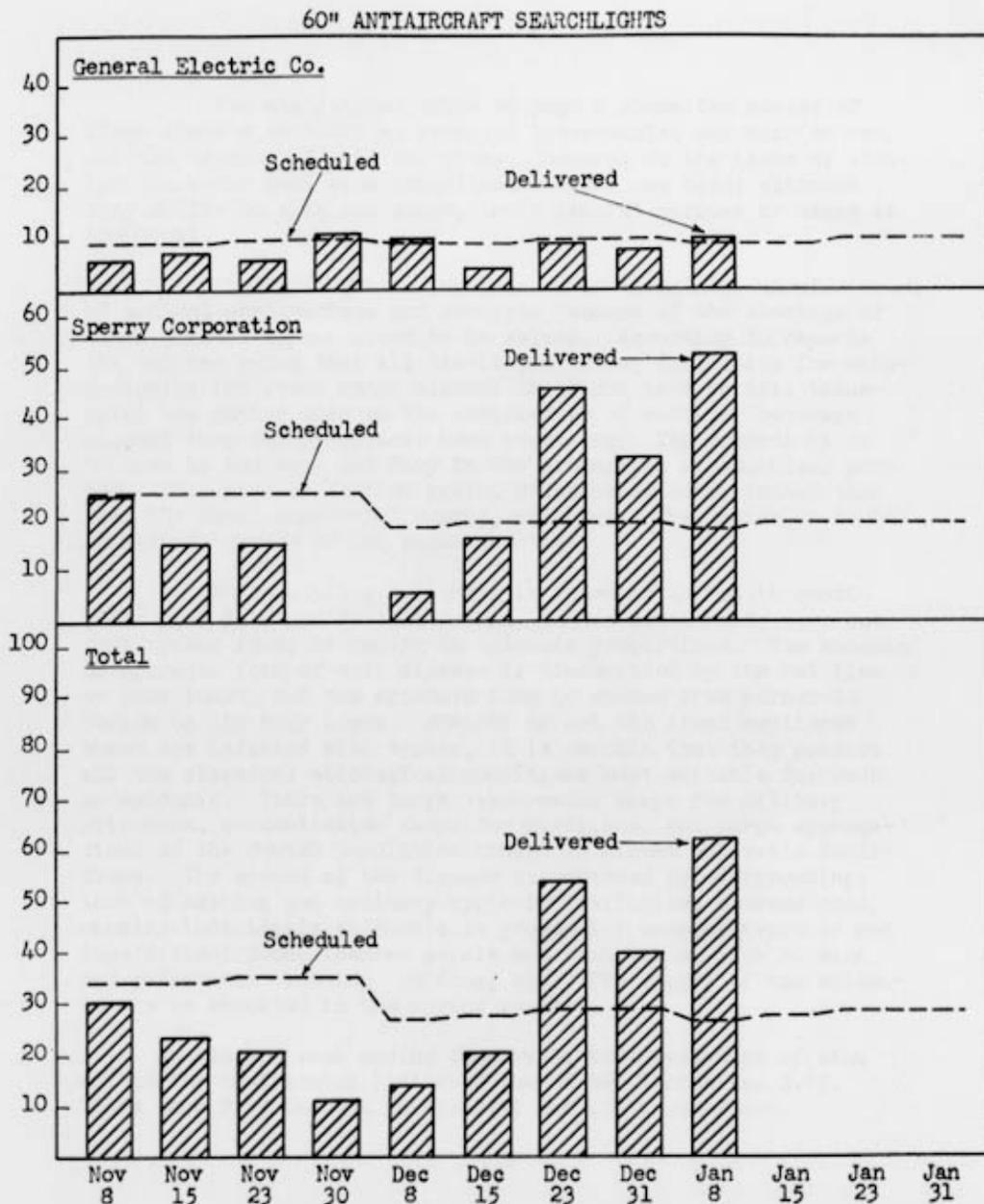


DIAGRAM - CORPS OF ENGINEERS - PROCUREMENT PROGRESS THROUGH JANUARY 8, 1942

Source of Information: Supply Section, Office of the Chief of Engineers



TEXT SUMMARY - MEDICAL DEPARTMENT - FOR WEEK ENDED JANUARY 17, 1942

Source of Information: Finance & Supply Div. - Office of Surgeon General

The statistical table on page 2 shows the status of items classed strictly as surgical instruments, and carried under the heading of critical items. Several of the items of similar character have been consolidated under one head; although they differ in size and shape, their general purpose or usage is identical.

The difficulties encountered by druggists, manufacturers of medical preparations and chemists because of the shortage of ethyl alcohol appear about to be solved. According to reports the OPN has ruled that all distillers having facilities for manufacturing 190 proof ethyl alcohol shall put them to this industrial use rather than to the manufacture of whatever beverage alcohol they had previously been producing. The product is to be used by the Army and Navy in the production of smokeless powder. This alcohol is from grain, principally corn, rather than from its usual commercial source, molasses. The latter is to be conserved because of the sugar shortage.

While nothing authentic is known as to health conditions in Poland and Western Russia, rumors continue to seep out that typhus fever is raging in epidemic proportions. The endemic or sporadic form of this disease is transmitted by the rat flea or body louse, but the epidemic form is spread from person to person by the body louse. Whether or not the areas mentioned above are infested with typhus, it is certain that they possess all the classical etiological conditions most suitable for such an epidemic. There are large overcrowded camps for military prisoners, concentration camps for civilians, and large aggregations of the Jewish population housed in almost unlivable conditions. The spread of the disease is enhanced by overcrowding; lack of bathing and ordinary hygienic facilities; extreme cold, causing individuals to huddle in groups for warmth; improper and insufficient food; lowered morale and resistance; lack of warm and sufficient clothing, bedding, etc. The height of the epidemic may be expected in the spring months.

In the week ending January 9, the percentage of sick within the continental limits of the United States was 2.83. There were 2.65 percent in hospital and .18 in quarters.

MEDICAL DEPARTMENT - PROCUREMENT STATUS, CRITICAL SURGICAL INSTRUMENTS - DEC. 31, 1941

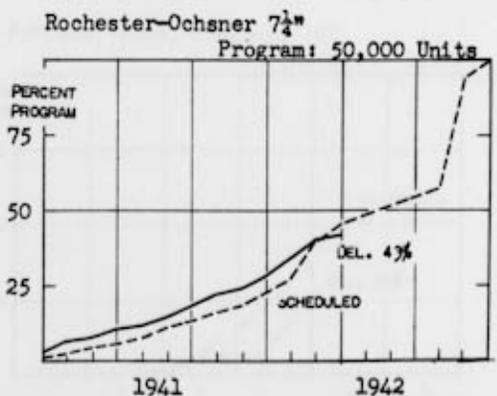
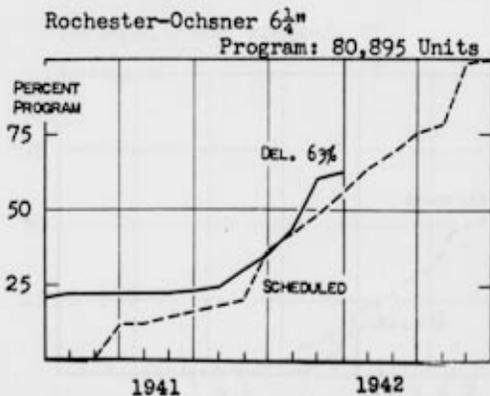
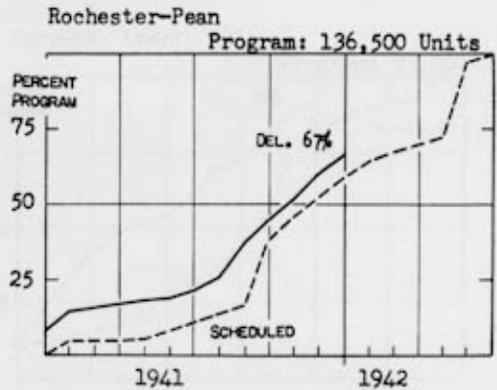
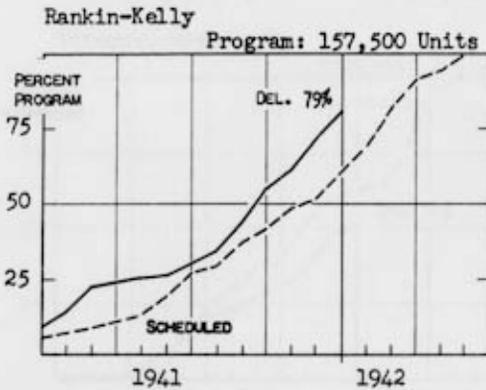
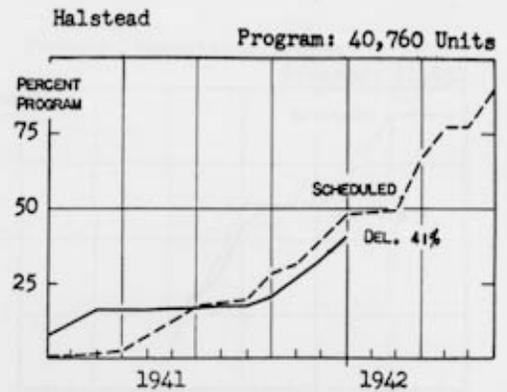
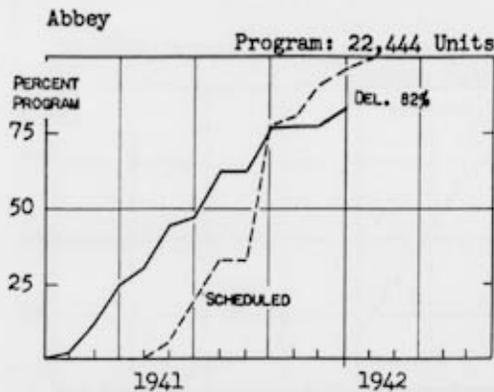
Source of Information: Medical Department Procurement Progress Reports

Item	F.Y. 1941 and 1942 Procure- ment program	Con- tracted thru 12-31	Deliv- ered thru 12-31	Percent of Program		
				Con- tracted	Due	Deliv- ered
Knife, operating, det. blade	296,000	296,000	296,000	100	100	100
Scissors, 1 point sharp, 4½"	12,600	12,600	12,600	100	100	100
Scissors, iris, angular	4,100	4,100	4,100	100	84	100
Scissors, iris, full curved	6,516	6,516	6,016	100	91	92
Scissors, nasal, angular	3,850	3,850	3,550	100	86	92
Forceps, tissue, Allis	47,231	47,231	43,344	100	83	92
Forceps, tissue, spring, 4½" blade	41,417	41,417	37,293	100	100	90
Forceps, intest., Doyen, str.	8,050	8,050	7,128	100	79	89
Forceps, intest., Doyen, curved	7,000	7,000	5,942	100	81	85
Scissors, dissec., curved, 5½"	24,800	24,800	20,760	100	100	84
Scissors, bandage	109,710	109,710	92,578	100	91	84
Scissors, tonsil	1,870	1,870	1,550	100	94	83
Forceps, towel (2 sizes)	117,724	117,724	98,020	100	78	83
Forceps, cystic duct, 7½"	2,350	2,350	1,902	100	57	81
Retractor, tissue, nested	8,900	8,900	6,698	100	76	75
Scissors, 1 point sharp, 5½"	27,155	27,155	19,580	100	70	72
Knife, operating, (3 sizes)	46,416	46,416	32,700	100	83	70
Scissors, suture	4,312	4,312	2,988	100	72	69
Forceps, sponge	97,608	97,608	65,500	100	69	67
Forceps, hemostatic, all types	508,617	508,617	330,018	100	58	65
Forceps, hyst., Pean, curved	34,892	34,892	22,781	100	45	65
Forceps, kidney, curved	9,600	9,600	5,986	100	98	62
Holder, needle, Hegar-Mayo	38,126	38,126	21,682	100	70	57
Scissors, dissecting, str., 5½"	18,092	18,092	10,064	100	79	56
Forceps, tissue, spring, 5½" blade	42,463	42,463	20,170	100	48	48
Scissors, double blunt, 5½"	21,070	21,070	9,400	100	78	45
Scissors, double blunt, 6½"	4,613	4,613	1,898	100	78	41
Retractor, abdom., self-retaining	8,200	8,200	3,198	100	52	39
Forceps, bone-cut., heavy, str.	2,850	2,850	1,000	100	26	35
Forceps, bone, rongeur, 10½"	3,100	3,100	795	100	42	26
Forceps, bone, rongeur, 7"	4,992	4,992	925	100	21	19

MEDICAL DEPARTMENT - DELIVERY STATUS - HEMOSTATIC FORCEPS - DECEMBER 31, 1941

Source of Information: Medical Department Procurement Progress Reports

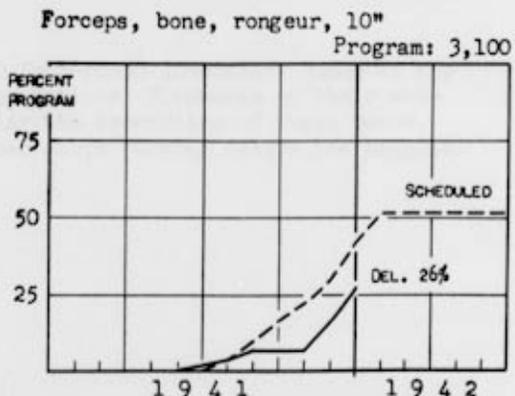
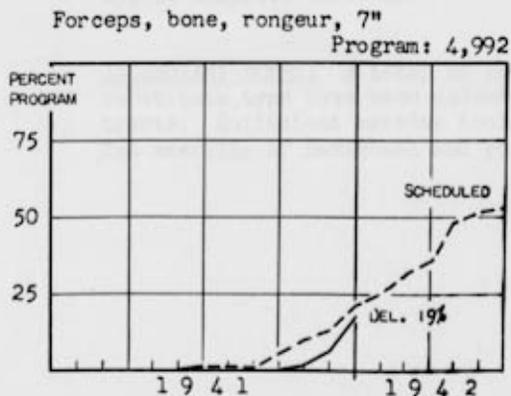
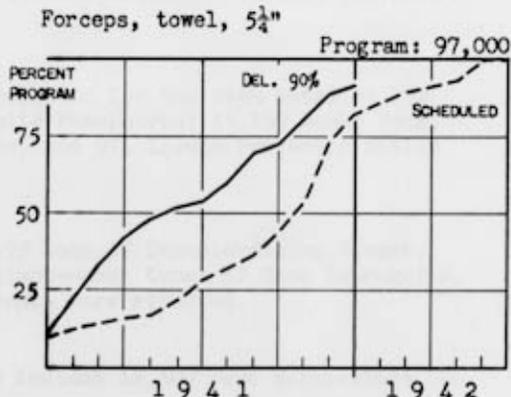
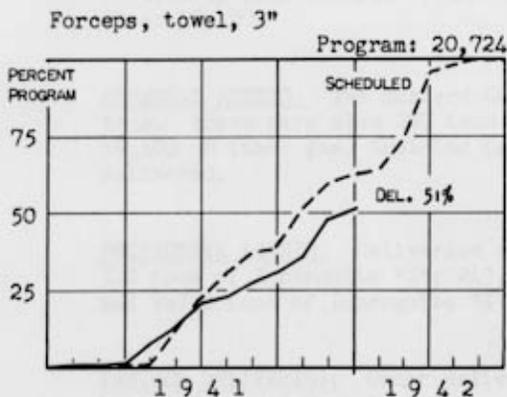
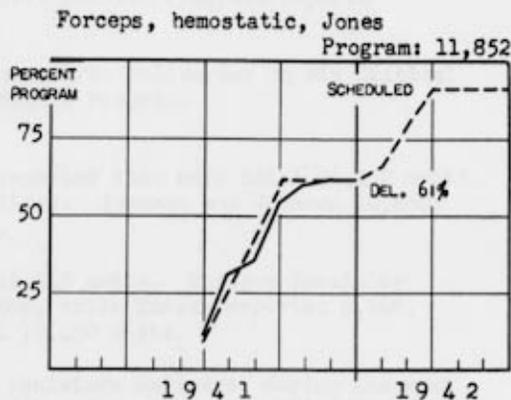
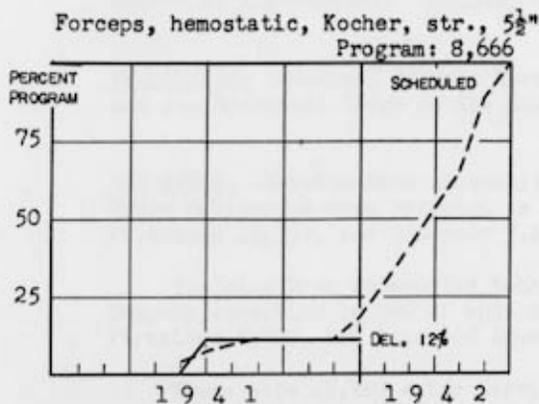
Includes both F.Y. 1941 & 1942 programs.



MEDICAL DEPARTMENT - DELIVERY STATUS - SIX TYPES OF FORCEPS - DECEMBER 31, 1941

Source of Information: Medical Department Procurement Progress Reports

Includes F.Y. 1941 & 1942 programs; items are fully contracted.



TEXT SUMMARY - CHEMICAL WARFARE SERVICE - STATUS JANUARY 9, 1942

Source of Information: Chemical Warfare Service Progress Reports

PRODUCTION: Chemical Warfare Service reports deliveries on six Critical and ten Essential Items on the Expenditure Program.

GAS MASKS: Service Mask assemblies reported this week total 34,452 units. These deliveries were reported as follows: Johnson and Johnson 10,860; Firestone 16,152, and Goodyear 7,440.

Training Mask assemblies total 44,418 units. Sprague Specialty Company assembled 10,000 of this number, while Eureka reported 6,668, Firestone 8,300, and Edgewood Arsenal 19,450 units.

There were 41,180 extra Service Canisters delivered during the week covered by this report. Johnson and Johnson assembled 31,000, and Firestone 10,180.

CHEMICAL AGENTS: The Mustard Gas production for the week totalled 192 tons. There were also 207 tons of White Phosphorus; 15,199 Smoke Pots; 19,100 CN (tear gas) training capsules, and 974 Livens Projector Shells delivered.

PROTECTIVE AGENTS: Deliveries of 69.93 tons of Demustardizing Bleach; 5.8 tons of Impregnite "I"; 243,328 eight-ounce tubes of Shoe Impregnite, and 367.8 tons of Impregnite "I" Solvents were reported.

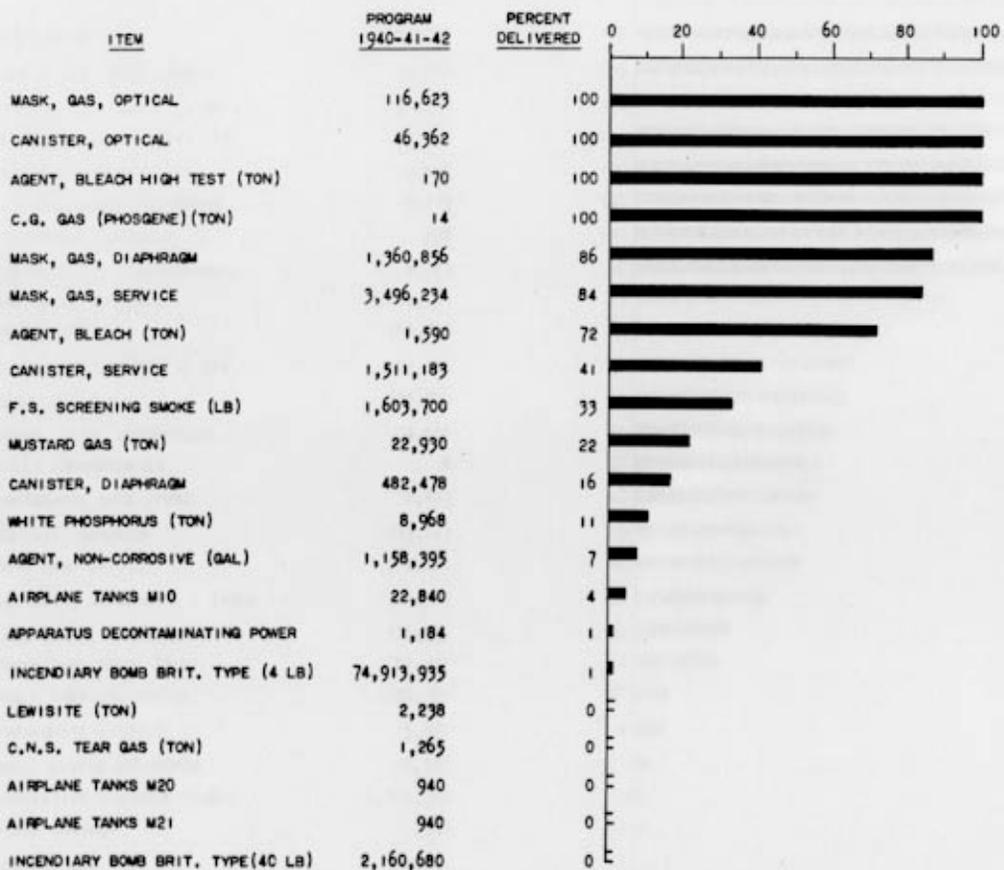
VARIOUS DELIVERIES: Other deliveries include 12,500 Dust Respirators and 19,156 Gasproof Curtains.

INCENDIARY BOMBS: A total of 105,400 four-pound Incendiary Bombs of the substitute type have been assembled by National Fireworks on their contracts. Sufficient machine tools delay the assembling of these bombs. The scarcity of hexagonal and round bar stock further delays the program.

PROCUREMENT PROGRESS - CHEMICAL WARFARE SERVICE - CRITICAL ITEMS

Source of Information: Chemical Warfare Service

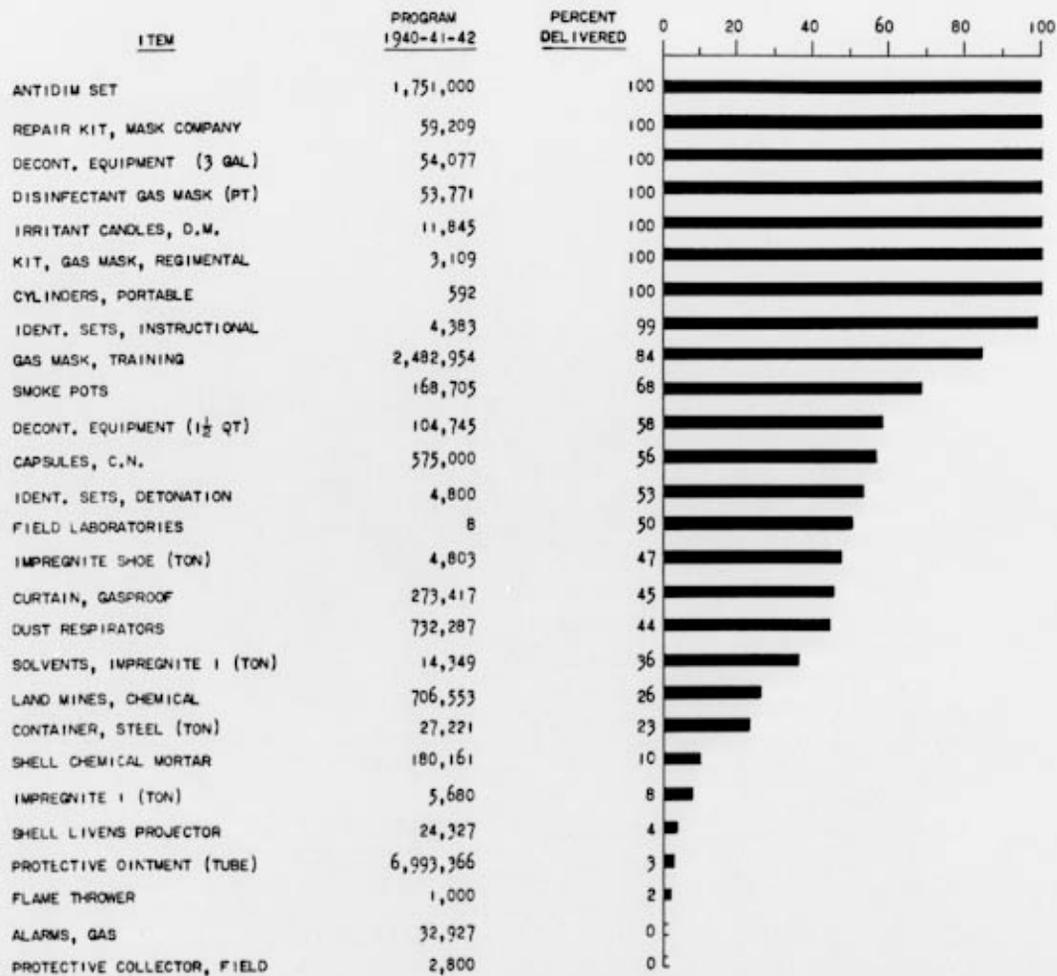
January 9, 1942



PROCUREMENT PROGRESS - CHEMICAL WARFARE SERVICE - SELECTED ESSENTIAL ITEMS

Source of Information: Chemical Warfare Service

January 9, 1942



SECRET

TO BE KEPT IN THE POSSESSION OF THE OFFICER TO WHOM ISSUED AND LOCKED UP WHEN NOT IN USE.

WEEKLY STATISTICAL REPORT

No. 30

RELEASED
Leonard P. Atres
BRIGADIER GENERAL LEONARD P. ATRES
DIRECTOR, STATISTICS BRANCH

SUMMARY

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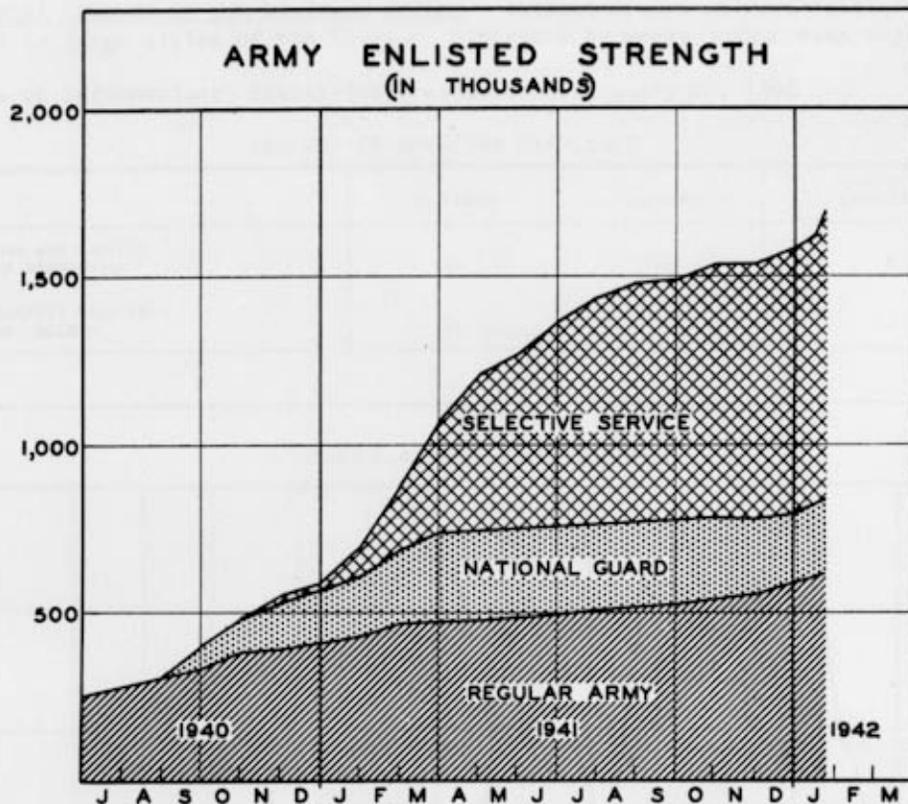
Signature- *Carl J. Spicer*

STATISTICS BRANCH
OFFICE OF THE UNDER SECRETARY OF WAR
WAR DEPARTMENT

Copy No. SB-3042-1 Issued to THE PRESIDENT

WEEKLY STATISTICAL SUMMARY
REPORT NO. 30
JANUARY 24, 1942

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Army strength is the basis for computing requirements for many articles to be procured. The data from July, 1940 to January 20, 1942 are shown in the diagram and table. They refer to enlisted strength at the end of each month, with the exception of the two final estimated figures.

1940	Total	1941	Total	1941	Total	1942	Total
Jul	268,941	Jan	693,578	Jul	1,429,188	Jan 20	1,695,000
Aug	302,968	Feb	873,667	Aug	1,481,197		
Sep	407,613	Mar	1,068,030	Sep	1,484,024		
Oct	483,218	Apr	1,205,873	Oct	1,526,000		
Nov	540,695	May	1,265,211	Nov	1,528,500		
Dec	573,520	Jun	1,362,760	Dec	1,579,500		

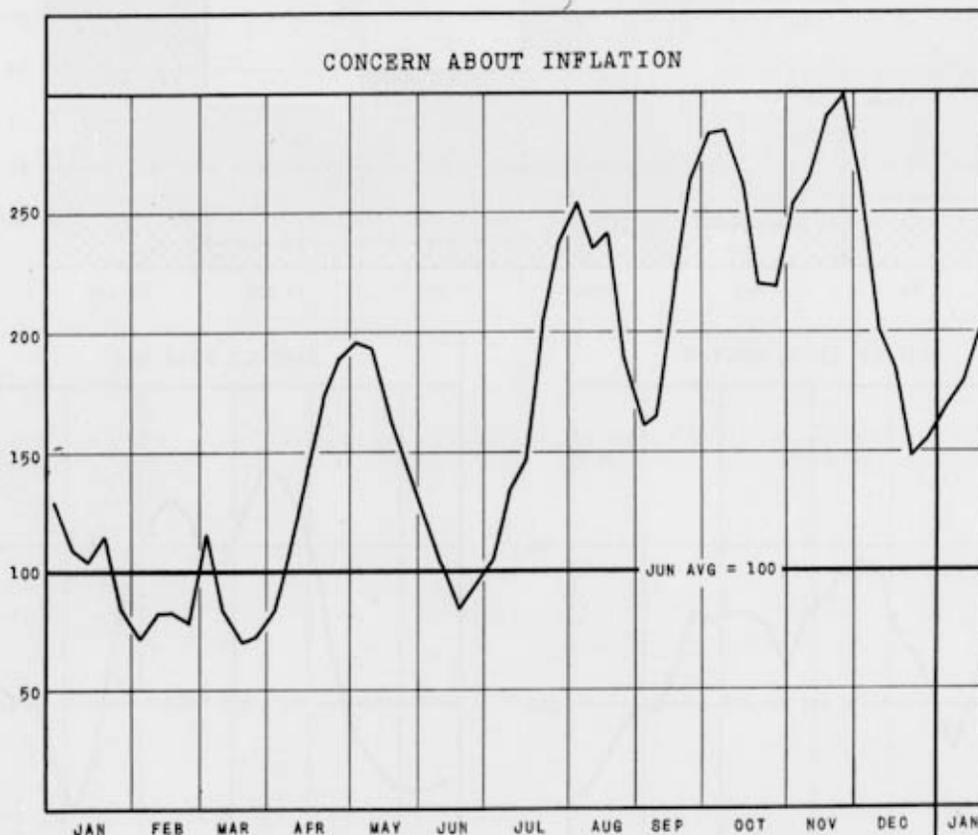
Source of Information: Statistics Branch, General Staff, January 22, 1942

EDITORIAL COMMENT ON OUR MILITARY EFFORT - Talled from a uniform list of newspapers in large cities of the 12 F. R. Districts by weeks ended each Wednesday

Source of Information: Statistics Branch, OUSW, January 21, 1942

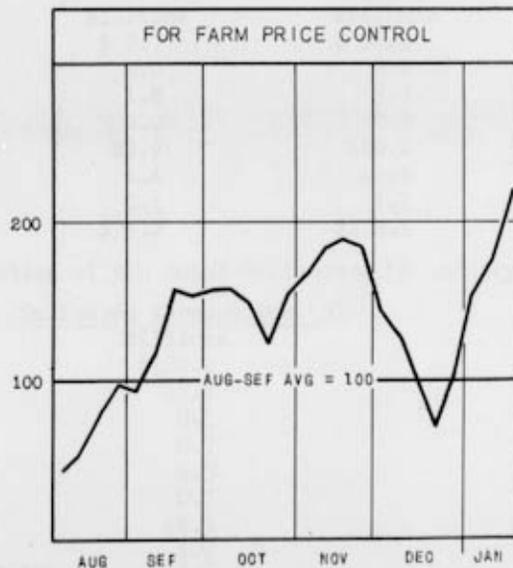
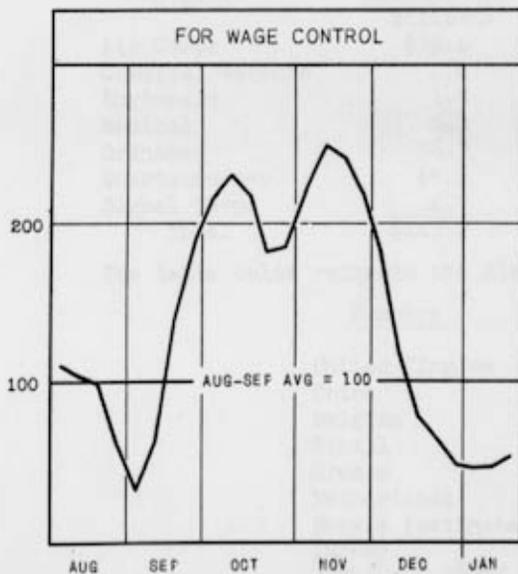
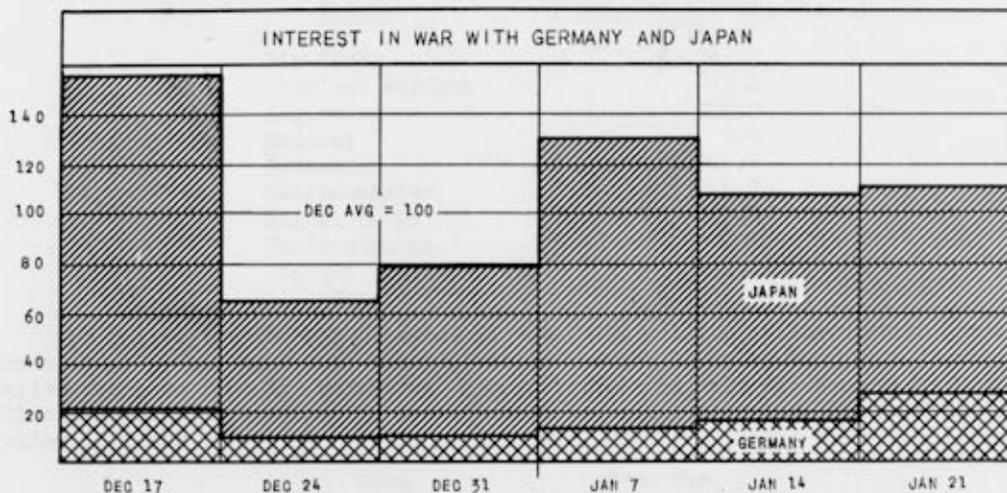
PERCENT OF OPINIONS EXPRESSED

	IN FAVOR	AGAINST	NO OPINION EXPRESSED
ONE-MAN CONTROL OF PRODUCTION	84	10	6
CABINET RANK FOR MR. NELSON	11	78	11



EDITORIAL COMMENT ON OUR MILITARY EFFORT - Talled from a uniform list of newspapers in large cities of the 12 F. R. Districts by weeks ended each Wednesday

Source of Information: Statistics Branch, OUSW, January 21, 1942



DEFENSE AID - TEXT SUMMARY - JANUARY 24, 1942

Source of Information: Office of Defense Aid Director, Fiscal Division

The Allocations to all departments through December 31 are \$11,339,802,520. The War Department has received almost 6½ billion dollars, of which the Air Corps and Ordnance Department comprise 75 per cent.

The Obligations through December 31 are over 4½ billion dollars. This is an increase of 20 per cent over the obligations through November 30. The following table shows the distribution according to S.A.S.

<u>S.A.S.</u>	<u>Obligated through Dec. 31</u>
	Millions
Air Corps	\$2,365.1
Chemical Warfare	11.4
Engineers	228.0
Medical	5.9
Ordnance	1,315.8
Quartermaster	246.7
Signal Corps	156.3
Undistributed	4.4
Freight, packing, etc.	322.2
Total	\$4,655.8

The Deliveries through December 31 total 238 million dollars, which shows an increase of 59 per cent over the deliveries through November 30. This figure includes deliveries made from War Department appropriations as well as those made from funds allocated to Defense Aid. The distribution according to S.A.S. is shown in the following table.

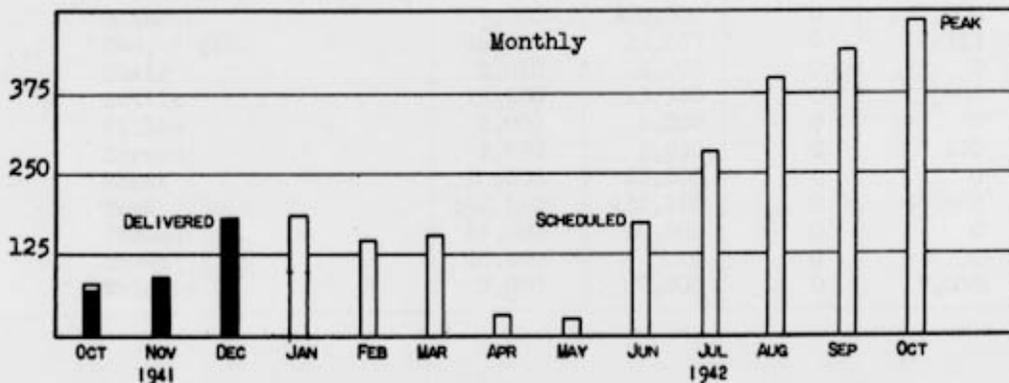
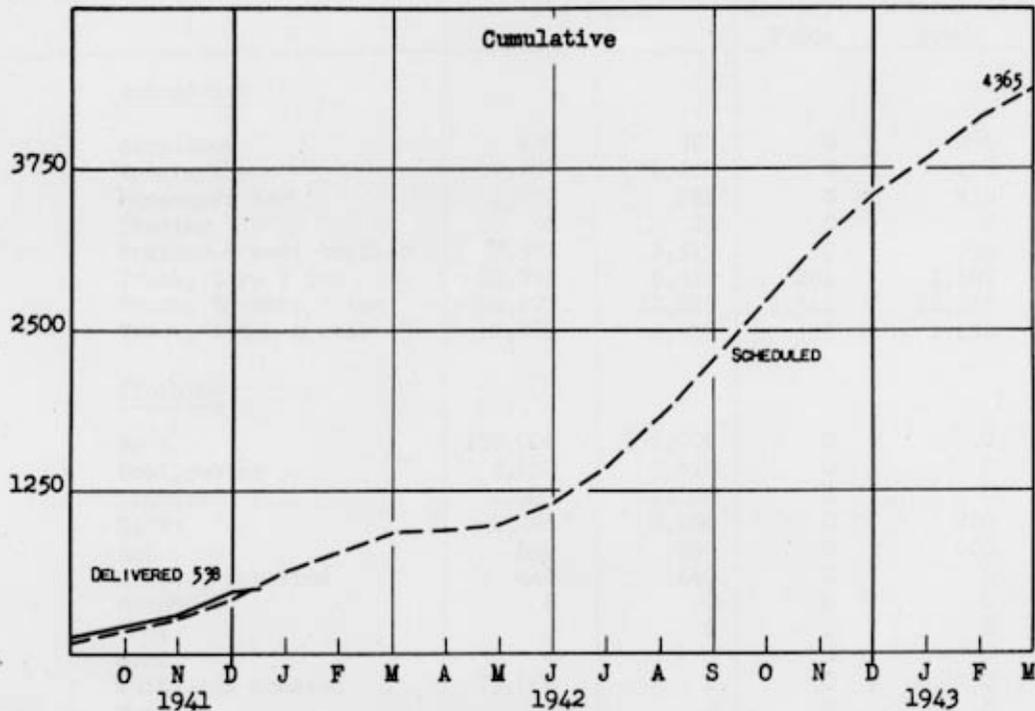
<u>S.A.S.</u>	<u>From</u>	<u>From War</u>	<u>Total</u>
	<u>Defense Aid</u>	<u>Dept. Funds</u>	<u>Millions</u>
	Millions	Millions	Millions
Air Corps	\$33.4	\$ 2.7	\$ 36.1
Chemical Warfare	1.9	2.0	3.9
Engineers	1.5	1.8	3.3
Medical	0.3	0.0	0.3
Ordnance	56.3	83.9	140.2
Quartermaster	45.1	4.4	49.5
Signal Corps	4.7	0.4	5.1
Total	\$143.2	\$95.2	\$238.4

The table below reflects the distribution of the total deliveries by country.

<u>Country</u>	<u>Delivered through Dec. 31</u>
	Millions
United Kingdom	\$162.2
China	17.7
Belgium	0.1
Brazil	0.7
Greece	4.3
Netherlands	0.5
Russia (estimated)	49.3
Turkey	1.9
Transp. & other expenses	1.7
Total	\$238.4

DEFENSE AID - BOMBERS - DELIVERIES AND SCHEDULE ESTIMATES - DECEMBER 31, 1941

Source of Information: Consolidated Statistical Report - Air Corps



The 538 bombers delivered include 240 repossessed by Army Air Corps

DEFENSE AID - QUARTERMASTER PROCUREMENT - DECEMBER 31, 1941

Source of Information: Office of the Quartermaster General

Item	Allocated	Obligated	Transferred	
	From Defense Aid Funds		From War Dept. Funds	From Defense Aid Funds
<u>Automotive</u>				
Ambulance	438	327	0	260
Motorcycle	9,757	6,200	0	496
Passenger car	1,072	916	0	916
Tractor	50	25	0	0
Trailer & semi-trailer	7,381	2,513	0	738
Truck, thru 1 ton	22,794	4,312	264	1,507
Truck, 1½ thru 3 ton	74,677	22,823	1,542	12,495
Truck, 4 ton & over	12,729	8,919	90	1,450
<u>Clothing</u>				
Belt	130,000	130,000	0	0
Boot, rubber	8,650	8,650	0	0
Drawers	4,000	4,000	0	0
Glove	2,286	2,286	0	286
Hat	640	640	0	640
Mitten, asbestos	440	440	0	0
Raincoat	0	0	0	0
Shoe	0	0	0	0
Sock	0	0	0	0
Suit, oil dressed	75,000	0	0	0
Uniform	0	0	0	0
<u>Misc. Equipment</u>				
Blanket	318,000	320,000	0	177,500
Can, 5 gal.	19,950	23,037	0	10,313
Chair	2,050	2,050	0	0
Kettle	13,500	13,500	0	13,500
Pillow	2,000	2,000	0	0
Screen	2,030	2,030	0	400
Sheet	10,000	10,000	0	0
Tent	132,110	132,110	0	25,968
Thread	10,000	10,000	0	0
Towel	10,000	0	0	0
Whistle	7,000	7,000	0	7,000

TEXT SUMMARY - ORDNANCE DEPARTMENT - JANUARY 24, 1942

Source of Information: Ordnance Department, General Staff and OUSW

TIME OBJECTIVES

At the beginning of 1942 the greater part of the items ordered to be produced in 1942 by the Presidential Directive of January 6 had been financed, but less than 50% of most items had been placed on order. The progress of individual items is shown on the following page.

Approximately \$3,700,000,000, which financed about half of the currently authorized quantities of many items, became available on December 17, 1941, in the Third Supplemental Appropriation Act. Allotments of nearly \$1,100,000,000 from this and previous appropriations were made by the Ordnance Department in the first half of January, 1942. Additional allotments of over \$800,000,000 have been made subsequently.

Acceptances scheduled in reports at the close of 1941 fall far below the time objectives, with the exception of medium tanks, for which the schedule meets the difficult objective. It is estimated that a large increase in new productive capacity (perhaps as great as the new facilities already under construction) must be created in order that the time objectives may be met. This added capacity may be obtained either by conversion of existing capacity or by the construction of many additional new plants. Funds for the creation of this increased capacity are yet to be provided.

FOURTH SUPPLEMENTAL APPROPRIATION

Prompt enactment into law of the Fourth Supplemental National Defense Appropriation, Fiscal Year 1942 is expected. This bill would appropriate to the Ordnance Department approximately \$1,500,000,000 for the procurement of ammunition, armament, bombs and pyrotechnics needed to equip completely the 33,000 airplanes financed by the measure. In addition, the bill contains funds for expediting production, including an estimate of \$180,000,000 for facilities for Ordnance and Chemical Warfare aircraft equipment and ammunition. The following items are among those included:

45,634 Machine Gun, cal.30, A.C., M2	6,783 Gun, 20mm, A.C., Automatic
127,000 Machine Gun, cal.50, A.C., M2	8,195 Gun, 37mm, A.C., Automatic
934 million Cartridge, cal.30	7 million Bomb, Demolition
835 million Cartridge, cal.50	544 thousand Bomb, S.A.P.
14 million Cartridge, 20mm, A.C.	829 thousand Bomb, Chemical
8 million Shell & Shot, 37mm, A.C.	1 million Bomb, Fragmentation

Large additional appropriations are being prepared and are expected to be made available soon.

37MM ANTITANK GUNS

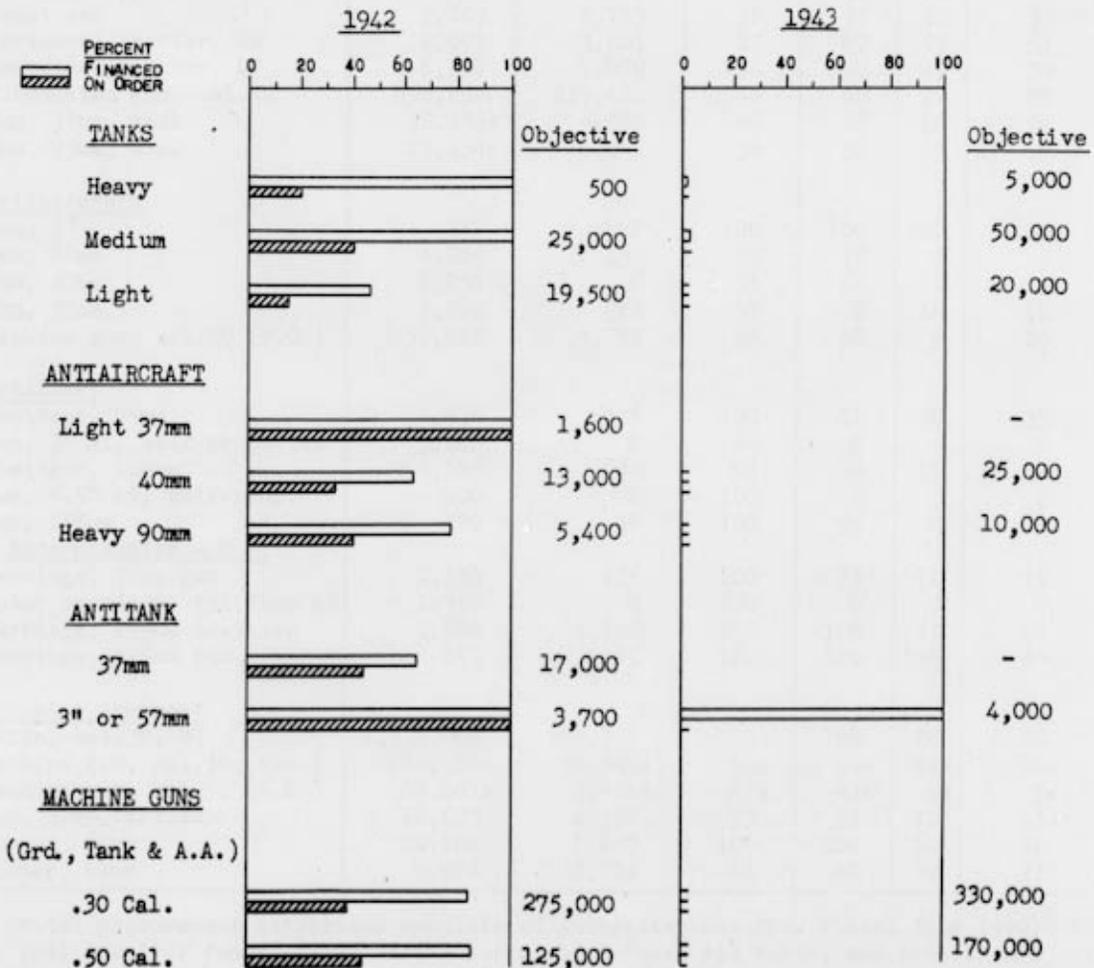
An additional authorization of 5,380 of the 37mm antitank guns, M3, has been made. These guns are to be procured with self-propelled mounts. Previous authorizations of 37mm antitank guns, M3, on the wheeled carriage totaled 13,223 guns.

TIME OBJECTIVES - PROGRESS - JANUARY 1, 1942

Source of Information: Industrial Service, Ordnance Department; General Staff and OUSW

The quantities of four of the ten Ordnance items listed specifically in the Presidential Directive of January 6, 1942 to the War Department, setting forth a time objective, have been revised with Presidential approval. These items are the caliber .30 and caliber .50 machine guns and the antitank guns.

At the beginning of the year, the time objectives for 1942 had been fully financed for only four items. Orders had been placed for the entire 1942 objectives of only two items, while none of the 1943 objectives were on order.



EQUIPMENT PROCUREMENT - SUMMARY - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department

Item	Total procurement authorized*	Acceptances thru Dec 31	Percent of total authorization			
			Con-tracted	Sched-uled	Due	Accepted
<u>Aircraft Armament</u>						
Machine gun, cal.30	92,732	15,350	98	98	17	17
Machine gun, cal.50	222,219	44,292	94	94	20	20
Gun, 20mm, automatic	79,663	1,184	60	60	1	1.5
Gun, 37mm, automatic	5,907	390	49	49	4	7
<u>Combat Vehicles</u>						
Tank, light	11,520	2,551	48	48	24	22
Tank, medium	27,665*	1,373	41	41	5	5
Tank, heavy	600	0	17	17	0	0
Scout car	9,245	2,733	37	37	30	30
Personnel carrier, M2	6,691	3,565	87	87	53	53
Personnel carrier, M3	6,158	1,859	90	90	29	30
Submachine gun, cal.45	852,259	217,420	40	40	27	26
Gun, 37mm, tank	32,733*	4,580	48	48	16	14
Gun, 75mm, tank	27,164*	1,045	36	32	3	4
<u>Antiaircraft</u>						
Gun, 3"	152	152	100	100	100	100
Gun, 90mm	4,284	132	53	37	3	3
Gun, 40mm	8,236	0	51	51	0	0
Gun, 37mm	3,364	522	95	95	15	16
Machine gun, cal.50 (W.C.)	39,067	3,771	68	68	9	10
<u>Artillery</u>						
Howitzer, 75mm	1,318	435	100	51	30	33
Gun, 3" AT, self-propelled	3,580	0	44	0	0	0
Howitzer, 105mm	4,395	549	98	89	11	12
Gun, 4.5" AT, self-prop.	500	0	100	0	0	0
Gun, 155mm	492	39	100	99	8	8
<u>Modernization - H.S.</u>						
Carriage, 75mm gun	1,330	975	100	73	72	73
Motor carriage, gun, 75mm AT	1,350	0	100	0	0	0
Carriage, 155mm howitzer	1,584	1,366	100	100	85	86
Carriage, 155mm gun	853	345	100	100	38	40
<u>Infantry Armament</u>						
Rifle, cal.30, M1	1,332,069	380,775	93	100	28	29
Machine gun, cal.30 (Var.)	289,169a	58,345a	56a	56a	24a	20a
Machine gun, cal.50 (H.B.)	67,041a	3,421a	47a	47a	9a	5a
Gun, 37mm, antitank	18,603	2,358	53	53	12	13
Mortar, 60mm	11,162	6,820	100	100	60	61
Mortar, 81mm	6,924	2,534	68	65	39	37

* Total procurement authorized consists of authorizations from Fiscal Year 1940, 1941 and 1942 funds, Navy, Marine Corps and Defense Aid funds, and British and Canadian orders for medium tanks and 37mm and 75mm tank guns.

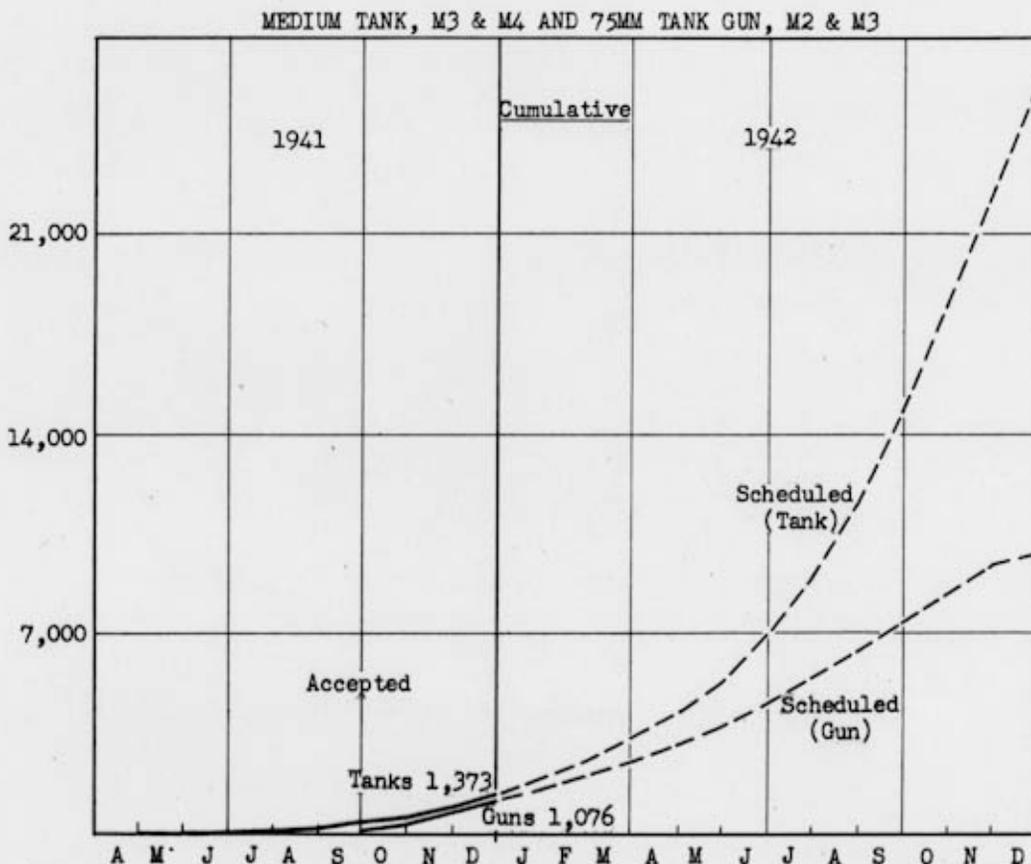
a Figures include armament for combat vehicles.

COMBAT VEHICLES - MEDIUM TANK AND 75MM TANK GUN - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department and OUSW

The 75mm tank gun schedule shown below does not include any production plan for the Olds Motor Works which is to be the principal producer. Schedules estimated for this company depend on receipt of necessary machine tools and on adequate supplies of gun forgings. The company hopes to start deliveries in April and to achieve a monthly rate of about 3,000 guns by 1943.

The Montreal Locomotive Works, with a contract for 1,157 medium tanks, is arming its first tanks with Canadian produced two pounders (40mm). As soon as components are available this facility will use six pounders (57mm) which are also produced in Canada. The 75mm tank gun schedule includes Canadian guns for the tanks produced by Montreal Locomotive Works.



EQUIPMENT - STOCKS AND INITIAL REQUIREMENTS - JANUARY 15, 1942 (DATA EXCLUDES DEFENSE AID)

Source of Information: General Staff

Item	Initial requirements 1,850,000 men	Stocks in depots and with troops	%	Percent of requirements					
				0	20	40	60	80	100
Aircraft Armament									
Machine gun, cal.30, fix.&fl.	32,688	18,246	56						
Machine gun, cal.50, fix.&fl.	61,539	29,343	48						
Gun, 20mm automatic	1,815	1,007	55						
Gun, 37mm automatic	2,155	203	9						
Combat Vehicles									
Tank, light	1,699	996 b	59						
Tank, medium	1,788	641 c	36						
Scout car	1,261	2,417 d	192						
Personnel carrier, M2	3,467	3,520	102						
Personnel carrier, M3	3,311	1,685	51						
Machine gun, cal.30 (Var.)	32,626 a	a	-						
Machine gun, cal.50 (H.B.)	5,491 a	a	-						
Submachine gun, cal.45	41,859	26,314	63						
Gun, 37mm tank	6,235	1,281	21						
Gun, 75mm tank	1,762	375	21						
Antiaircraft									
Gun, 3" }	1,237	562 }	59						
Gun, 90mm }		162 }							
Gun, 37mm	2,315	519	22						
Machine gun, cal.50 (W.C.)	18,611	1,318	7						
Artillery									
Gun, 75mm (H.S.)	-	948	-						
Howitzer, 75mm, field & pack	249	386	155						
Howitzer, 105mm	2,061	551	27						
Gun, 155mm	95	17	18						
Gun, 155mm (H.S.)	587	198	34						
Howitzer, 155mm (H.S.)	631	1,301	206						
Unmodified & other models									
Gun, 75mm	-	2,371	-						
Gun, 155mm	-	767	-						
Howitzer, 155mm	-	471	-						
Infantry Armament									
Rifle, cal.30, M1, semiauto.	797,085	360,632	45						
Machine gun, cal.30 (Var.)	53,555	55,275	103						
Machine gun, cal.50 (H.B.)	16,964	3,821	23						
Gun, 37mm antitank	6,276	2,384	38						
Mortar, 60mm	4,579	6,453	141						
Mortar, 81mm	2,035	2,505	123						

a Included in Infantry Armament.

Stocks exclude substandard models formerly included (b) 757, (c) 112, (d) 99.

EQUIPMENT - STOCKS AND TOTAL REQUIREMENTS - JANUARY 15, 1942 (DATA EXCLUDES DEFENSE AID)

Source of Information: General Staff

Item	Total requirements 3,635,000 men	Stocks in depots and with troops	Percent of requirements					
			%	0	20	40	60	80
<u>Aircraft Armament</u>								
Machine gun, cal.30, fix.&fl.	44,260	18,246	41	██████████				
Machine gun, cal.50, fix.&fl.	131,837	29,343	22	██████				
Gun, 20mm automatic	3,721	1,007	27	██████				
Gun, 37mm automatic	2,896	203	7	██				
<u>Combat Vehicles</u>								
Tank, light	4,341	996 b	23	██████				
Tank, medium	5,902	641 c	11	██				
Scout car	2,709	2,417 d	89	████████████████████				
Personnel carrier, M2	10,497	3,520	34	██████				
Personnel carrier, M3	8,208	1,685	21	██████				
Machine gun, cal.30 (Var.)	125,849 a	a	-					
Machine gun, cal.50 (H.B.)	14,712 a	a	-					
Submachine gun, cal.45	155,279	26,314	17	██████				
Gun, 37mm tank	30,392	1,281	4	██				
Gun, 75mm tank	5,872	375	6	██				
<u>Antiaircraft</u>								
Gun, 3" } Gun, 90mm }	2,095	562 }	35	██████				
Gun, 37mm		162 }		██				
Machine gun, cal.50 (W.C.)	6,849	519	8	██				
	32,983	1,318	4	██				
<u>Artillery</u>								
Gun, 75mm (H.S.)	-	948	-					
Howitzer, 75mm, field & pack	352	386	110	████████████████████				
Howitzer, 105mm	3,211	551	17	██████				
Gun, 155mm	283	17	6	██				
Gun, 155mm (H.S.)	969	198	20	██████				
Howitzer, 155mm (H.S.)	1,043	1,301	125	████████████████████				
<u>Unmodified & other models</u>								
Gun, 75mm	-	2,371	-					
Gun, 155mm	-	767	-					
Howitzer, 155mm	-	471	-					
<u>Infantry Armament</u>								
Rifle, cal.30, M1, semiauto.	1,524,735	360,632	24	██████				
Machine gun, cal.30 (Var.)	176,047	55,275	31	██████				
Machine gun, cal.50 (H.B.)	47,870	3,821	8	██				
Gun, 37mm antitank	12,681	2,384	19	██████				
Mortar, 60mm	8,227	6,453	78	████████████████████				
Mortar, 81mm	4,105	2,505	61	████████				

a Included in Infantry Armament.

Stocks exclude substandard models formerly included: (b) 757, (c) 112, (d) 99.

AMMUNITION PROCUREMENT - SUMMARY - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department

Item	Total procurement authorized (THOUSANDS)	Acceptances thru Dec 31 (THOUSANDS)	Percent of total authorization		
			Scheduled thru Dec '42	Due	Accepted
<u>Aircraft & Pyrotechnics</u>					
Bomb, frag., 20#	2,047	494	91	24	24
Bomb, demo., 100#, 300#, 500#	1,698	225	100	13	13
Bomb, demo., 1000#	524	5	71	-	1
Bomb, chem., 30#, 100#	603	220	100	36	36
Cartridge, 20mm	131,690	6,529	99	5	5
Shell, H.E., 37mm	2,497	704	100	26	28
Flares	902	239	100	31	26
Signals	2,946	1,196	100	40	41
<u>Antiaircraft</u>					
Shell, 37mm, H.E.	18,094	1,007	62	4	6
Shell, 40mm, H.E.	14,588	0	37	1	0
Shell, 3", H.E.	2,227	472	100	19	21
Shell, 90mm, H.E.	4,395	198	100	-	5
Shell, 105mm, H.E.	12	0	100	0	0
Shell, 4.7", H.E.	200	0	15	0	0
<u>Artillery</u>					
Shell, H.E., s c, 75mm gun	2,356	626	100	22	27
Shell, g & s, 75mm gun	1,150	102	100	5	9
Shot, A.P., 75mm gun	12,796	0	73	0	0
Shell, H.E., 75mm how.	5,575	273	100	5	5
Shell, H.E., 105mm how.	20,497	353	57	1	2
Shell, H.E., 155mm gun	1,378	2	75	-	-
Charge, prop., 155mm gun	2,092	232	91	12	11
Shell, H.E., 155mm how.	6,230	190	100	3	3
Shell, g & s, 155mm how.	1,634	-	56	1	-
Charge, prop., 155mm how.	8,945	973	100	10	11
Primer, 21 gr.	15,068	299	66	2	2
Fuzes (all)	16,016	3,254	83	20	20
<u>Infantry</u>					
Cartridge, cal.30	8,831,945	821,205	70	9	9
Links, met. belt, cal.30	1,032,222	167,838	63	18	16
Cartridge, cal.45	2,381,889	282,510	29	12	12
Cartridge, cal.50	2,657,358	92,109	56	4	3
Links, met. belt, cal.50	3,129,155	162,020	62	5	5
Shot & shell, 37mm	46,487	768	100	2	2
Shell, H.E., 60mm	11,310	395	68	2	3
Shell, H.E., 81mm	5,808	279	66	3	5
Shell, smoke, 81mm	470	0	89	0	0
Grenade, H.E., frag.	8,749	980	63	11	11
Signals, ground & light	6,948	1,354	100	21	19
Mine, antitank	3,146	0	100	0	0

* Unfilled.

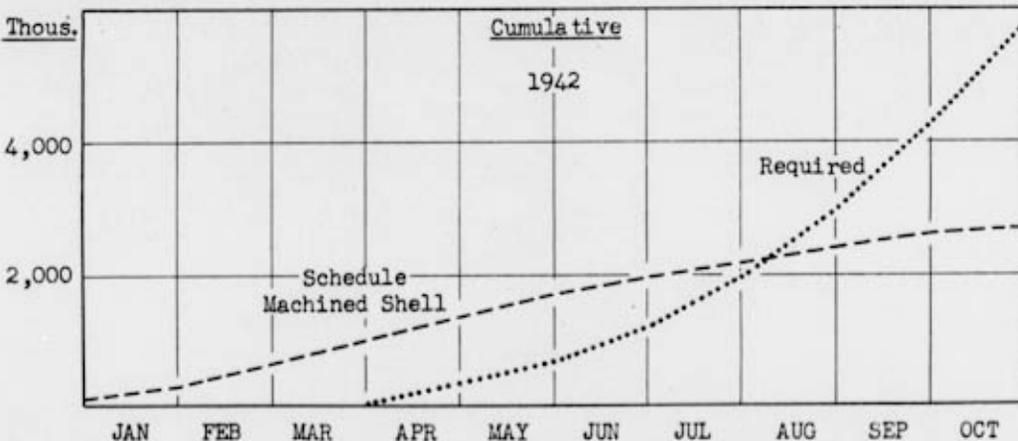
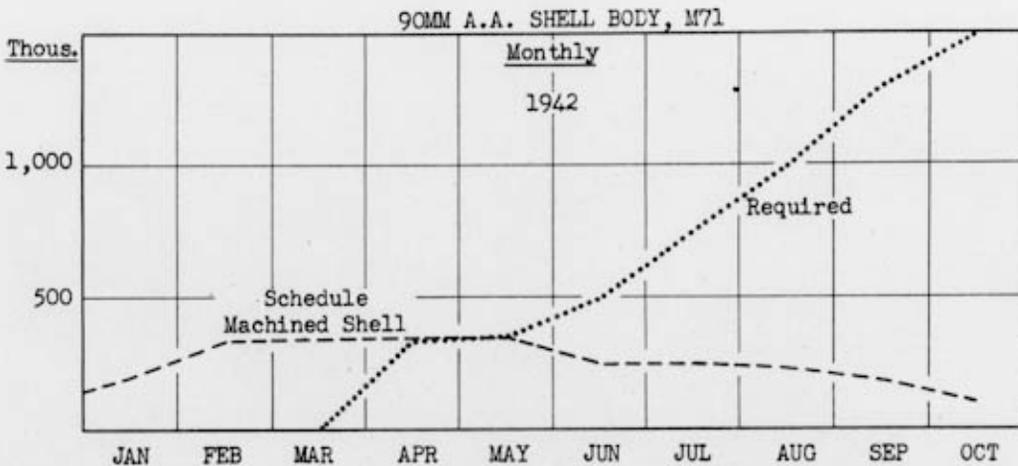
∅ Unfuzed.

90MM ANTI-AIRCRAFT SHELL, H. E. - SHELL BODY - DECEMBER 31, 1941

Source of Information: Ammunition Division, Ordnance Department

A shortage of M71 shell bodies, used in loading complete rounds of 90mm A. A. shell, H. E., is indicated by the middle of 1942. The apparent causes are expiration of contracts, insufficient capacities and lack of authorizations for the shell bodies, M71.

An interval of two months is allowed between the machining of the shell body and the acceptance of the complete round. The acceptance schedule for the complete round is based on: existing capacities and estimated capacities that may be developed to manufacture metal parts, to produce explosives and to load fuzes and shells.



NEW FACILITIES - PROGRESS AS OF DECEMBER 31, 1941

Source of Information: Ordnance Department and Production Branch, OUSW

Facility	Construction Percent completed					Equipment Percent delivered							
	%	0	20	40	60	80	100	%	0	20	40	60	80
Radford Ord. Works	100#	[Bar at 100%]					100#	[Bar at 100%]					
Indiana Ord. Works	99	[Bar at 99%]					100	[Bar at 100%]					
Alabama Ord. Works	67#	[Bar at 67%]					83#	[Bar at 83%]					
Oklahoma Ord. Works	7	[Bar at 7%]					0	[Bar at 0%]					
Badger Ord. Works	0	[Bar at 0%]					0	[Bar at 0%]					
Kankakee Ord. Works	99#	[Bar at 99%]					100#	[Bar at 100%]					
Weldon Spring Ord. Works	99#	[Bar at 99%]					99#	[Bar at 99%]					
Plum Brook Ord. Works	90#	[Bar at 90%]					72#	[Bar at 72%]					
Volunteer Ord. Works	22	[Bar at 22%]					0	[Bar at 0%]					
Keystone Ord. Works	0	[Bar at 0%]					0	[Bar at 0%]					
Longhorn Ord. Works	-	No report					-	[Bar at 0%]					
West Virginia Ord. Works	-	No report					-	[Bar at 0%]					
Lake Ontario Ord. Works	-	No report					-	[Bar at 0%]					

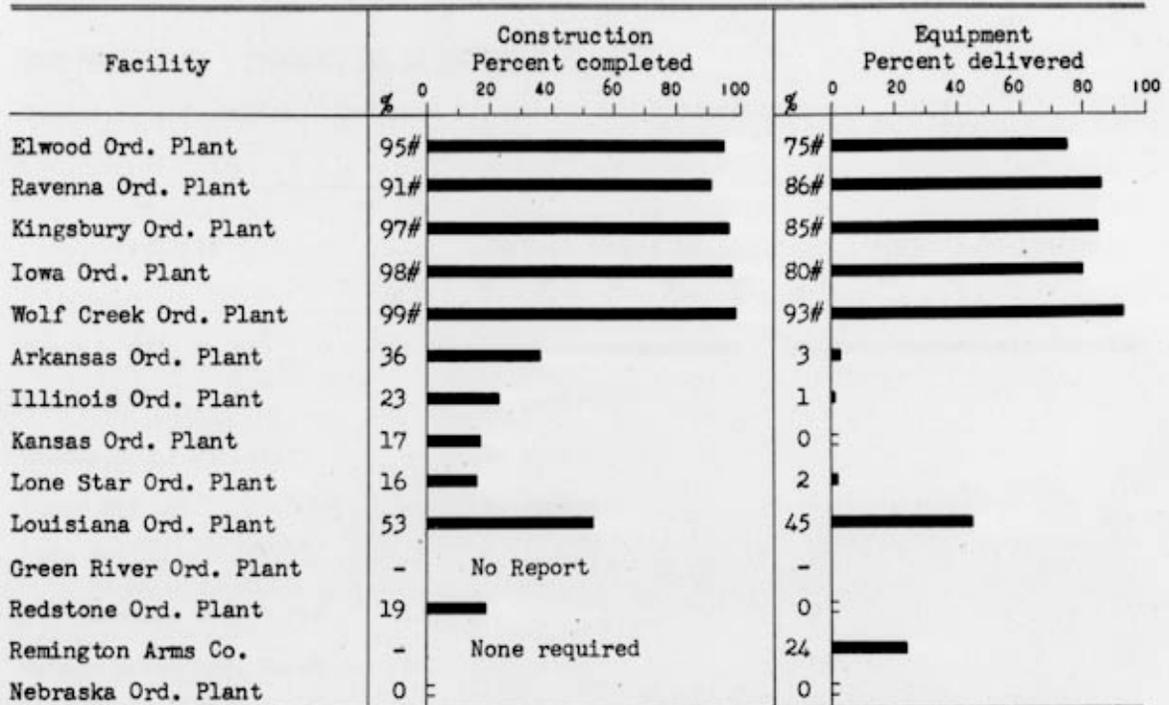
Facility	Location	Planned Capacity Monthly (THOUS.)	Estimated Cost December 31, 1941		Estimated Month	
			Total (THOUS.)	Actually Obligated (PERCENT)	Initial Operation	Full Operation
<u>Smokeless Powder</u>						
Radford	Radford, Virginia	4.2 Tons	\$ 57,000	98	4-41	12-41
Indiana	Charlestown, Ind.	9.8 Tons	118,300	75	4-41	11-42
Alabama	Sylacauga, Ala.	4.2 Tons	60,450	79	3-42	6-42
Oklahoma	Choteau, Okla.	4.2 Tons	64,000	74	7-42	2-43
Badger	Merrimac, Wisc.	4.2 Tons	65,000	-	10-42	3-43
<u>Tetryl & Azide</u>						
Kankakee	Joliet, Ill.	.5 Tons	-	-	11-41	3-42
<u>TNT & DNT</u>						
Kankakee	Joliet, Ill.	8.1 Tons	58,600	94	9-41	3-42
Weldon Spring	Weldon Spring, Mo.	9.5 Tons	49,000	75	10-41	9-42
Plum Brook	Sandusky, Ohio	6.7 Tons	43,000	74	12-41	7-42
Alabama	Sylacauga, Ala.	4.2 Tons	34,025	53	7-42	10-42
Volunteer	Chattanooga, Tenn.	6.2 Tons	46,000	58	10-42	3-43
Keystone	Geneva, Pa.	6.7 Tons	45,000	2	11-42	4-43
Longhorn	Karnack, Texas	3.4 Tons	22,300	-	-	-
West Virginia	Point Pleasant, W. Va.	6.7 Tons	44,000	-	-	-
Lake Ontario	Youngstown, N. Y.	3.4 Tons	23,000	-	-	-

Original project only.

ø Operations actually started.

NEW FACILITIES - PROGRESS AS OF DECEMBER 31, 1941

Source of Information: Ordnance Department and Production Branch, OUSW



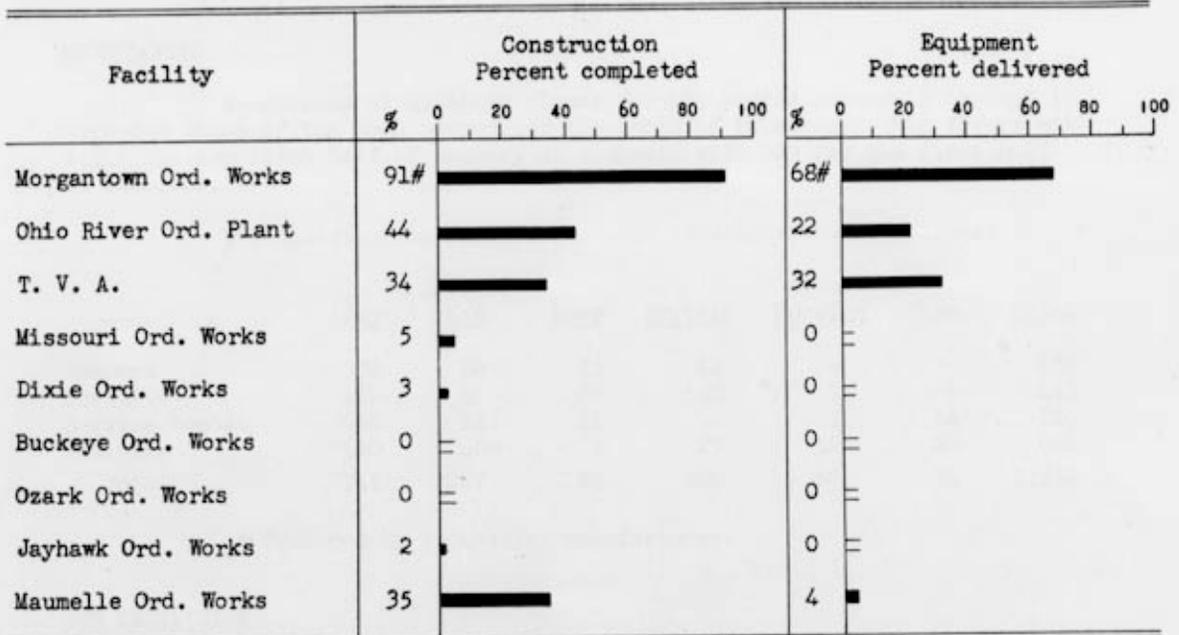
Facility	Location	Planned Loading Capacity	Estimated Cost December 31, 1941		Estimated Month	
			Total	Actually	Initial	Full
			(THOUS.)	Obligated (PERCENT)	Operation	Operation
<u>Shell Loading</u>						
Elwood	Wilmington, Ill.	4 Lines	\$ 52,200	77	7-41#	6-42
Ravenna	Ravenna, Ohio	4 Lines	66,500	68	8-41#	3-42
Kingsbury	La Porte, Ind.	6 Lines	46,000	91	8-41#	2-42
Iowa	Burlington, Iowa	4 Lines	50,509	88	7-41#	3-42
Wolf Creek	Milan, Tenn.	5 Lines	38,000	96	9-41#	3-42
Arkansas	Jacksonville, Ark.	Fuzes & Boosters	33,500	54	2-42	9-42
Illinois	Carbondale, Ill.	3 Lines	40,000	60	3-42	8-42
Kansas	Parsons, Kans.	3 Lines	35,000	67	3-42	9-42
Lone Star	Texarkana, Texas	5 Lines	45,500	66	5-42	9-42
Louisiana	Minden, La.	4 Lines	36,000	50	1-42	9-42
Green River	Amboy, Ill.	3 Lines	28,000	-	-	-
Redstone	Huntsville, Ala.	Chem. Shell & Bombs	8,000	65	5-42	9-42
Remington	Bridgeport, Conn.	20mm	225	-	12-41#	4-42
<u>Bomb Loading</u>						
Nebraska	Wahoo, Nebr.	100# Bombs	28,000	4	11-42	2-43

Original project only

Operations actually started.

NEW FACILITIES - PROGRESS AS OF DECEMBER 31, 1941

Source of Information: Ordnance Department and Production Branch, OUSW



Facility	Location	Planned Capacity Monthly (THOUS.)	Estimated Cost December 31, 1941		Estimated Month	
			Total (THOUS.)	Actually Obligated (PERCENT)	Initial Operation	Full Operation
<u>Ammonia</u>						
Morgantown	Morgantown, W. Va.	14.6 Tons	\$59,300	52	12-41	3-42
Ohio River	Henderson, Ky.	4.5 Tons	14,677	60	6-42	10-42
T. V. A.	Muscle Shoals, Ala.	4.5 Tons	-	-	4-42	5-42
Missouri	Louisiana, Mo.	4.5 Tons	18,425	66	10-42	5-43
Dixie	Monroe, La.	4.5 Tons	13,750	35	11-42	2-43
Buckeye	South Point, Ohio	4.5 Tons	20,000	-	5-43	9-43
Ozark	El Dorado, Ark.	3.0 Tons	22,500	-	7-43	9-43
<u>Ammonium Nitrate</u>						
Jayhawk	Baxter Springs, Kans.	6.0 Tons	24,200	49	10-42	1-43
T. V. A.	Muscle Shoals, Ala.	9.0 Tons	9,425	-	12-41	5-42
Ozark	El Dorado, Ark.	3.0 Tons	-	-	7-43	9-43
<u>Ammonium Picrate</u>						
Maumelle	Marche, Ark.	1.1 Tons	12,500	40	4-42	9-42

Original project only.

∅ Operations actually started.

TEXT SUMMARY - AIRCRAFT PROCUREMENT

Source of Information: Materiel Division - Air Corps

ACCEPTANCES

Acceptance of military planes for the period January 1 through 15 exceeded those of the same period for the month of December. This figure was 1,362 for the first half of January as compared with 949 for the first half of December.

The distribution against customer contracts was as follows:

	<u>Army</u>	<u>Defense Aid</u>	<u>Navy</u>	<u>Britain</u>	<u>Other Foreign</u>	<u>Comm.</u>	<u>Total</u>
Bombers	32	68	16	42	-	-	158
Pursuits	175	91	28	142	7	-	443
Service Combat	48	12	41	-	5	14	120
Trainers	490	46*	4	25	56	20	641
Total	745	217	89	209	68	34	1,362

* Produced by a Canadian manufacturer.

NEW FACILITIES

Those new facilities scheduled to produce heavy bombers are nearing production stages though no deliveries can be expected for several months. Vega has assembly jigs 65 percent complete and has already received 70 percent detail parts for 25 planes from Boeing. Douglas' production of fuselage sections, scheduled for this month, was delayed because of raw stock shortages and lack of complete detail tooling. Consolidated's assembly plant at Fort Worth is 84 percent complete and occupancy for initial stages is scheduled shortly.

PRODUCTION DIFFICULTIES

Martin: The propeller shortage for the B-26 contract has been eliminated but there are still 26 planes to be reworked. The Martin contract for 791 B-26B's is 209 units behind schedule and, due to shortages of raw materials and difficulties being experienced by subcontractors, production from the Omaha plant will be delayed another 30 days over the original estimate.

Lockheed: The contract for 607 P-38E's is 335 behind schedule. There have been 65 acceptances on this contract, but due to G.F.E. shortages, 140 of the planes are in storage. The principal shortage is propellers.

TABULAR SUMMARY - ARMY AIR CORPS CURRENT PROCUREMENT - JANUARY 15, 1942

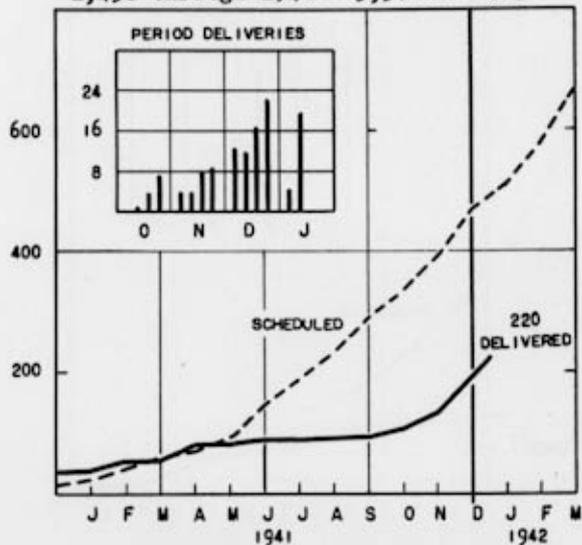
Source of Information: Consolidated Statistical Report - Air Corps

Item	Army program			Under contract		Delivered 1-15-42 (b)	Not contracted	
	F.Y. 1941 & prior (a)	F.Y. 1942	Total	Number	% of program		F.Y. 1941	F.Y. 1942
Project airplanes								
Heavy bomber	2,246	3,180	5,426	4,826	89	220		600
Medium bomber	4,615	-	4,615	4,615	100	481		-
Light bomber	1,882	168	2,050	1,900	93	250		150
Pursuit fighter	23	150	173	173	100	10		-
Pur. inter., 2-eng.	686	1,000	1,686	1,686	100	243		-
Pur. inter., 1-eng.	4,394	4,700	9,094	8,994	99	2,082		100
Observation	533	80	613	613	100	493		-
Transport	1,118	243	1,361	1,361	100	131		-
Amphibian	74	5	79	76	96	2		3
Reconnaissance	17	-	17	17	100	14		-
Total Tactical	15,588	9,526	25,114	24,261	97	3,926		853
Primary trainer	5,490	450	5,940	5,940	100	3,757		-
Basic trainer	5,051	1,100	6,151	6,151	100	2,510		-
Adv. trainer, 1-eng.	3,267	360	3,627	3,627	100	1,196		-
Adv. trainer, 2-eng.	2,632	1,150	3,782	3,682	97	318		100
Total Trainer	16,440	3,060	19,500	19,400	99	7,781		100
Grand Total	32,028	12,586	44,614	43,661	98	11,707		953
Installation engines								
Heavy bomber	8,984	12,720	21,704	20,104	93	3,030		1,600
Medium bomber	9,230	-	9,230	9,650(c)	105	1,887		-
Light bomber	3,576	168	3,744	3,744	100	1,406		-
Pursuit fighter	46	300	346	346	100	20		-
Pur. inter., 2-eng.	1,372	2,000	3,372	3,372	100	1,334		-
Pur. inter., 1-eng.	4,394	4,700	9,094	8,994	99	2,358		100
Observation	533	80	613	613	100	613		-
Transport	2,358	486	2,844	2,784	98	823	34	26
Amphibian	148	6	154	151	97	126		3
Reconnaissance	34	-	34	34	100	34		-
Total Tactical	30,675	20,460	51,135	49,792	97	11,631	34	1,729
Primary trainer	5,490	450	5,940	5,940	100	4,085		-
Basic trainer	5,051	1,100	6,151	6,472(c)	105	3,047		-
Adv. trainer, 1-eng.	3,267	360	3,627	3,627	100	2,267		-
Adv. trainer, 2-eng.	5,264	2,300	7,564	6,384	84	2,599	80	1,100
Total Trainer	19,072	4,210	23,282	22,423	96	11,998	80	1,100
Grand Total	49,747	24,670	74,417	72,215(c)	97	23,629	114	2,829

- (a) Includes project airplane contracts incomplete June 30, 1940 with their matching installation engine contracts.
- (b) Engine deliveries reflect new production, assignments from stock pools, and transfers between installation and spare categories.
- (c) Amount under contract exceeds installation requirement.

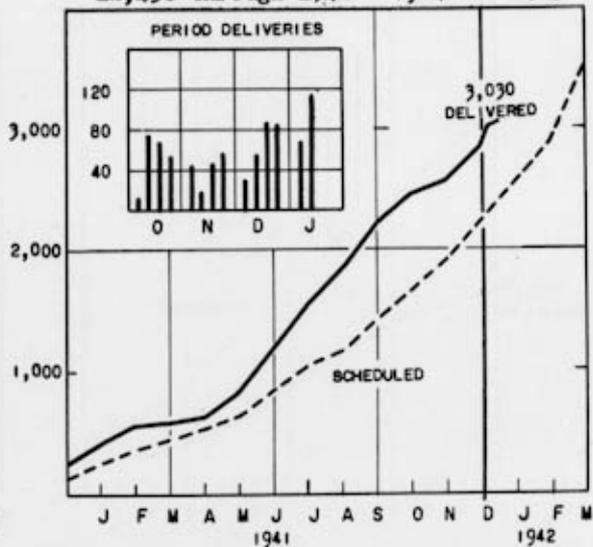
ARMY PROJECT AIRPLANES

4,826 HEAVY BOMBER
1,456 through 1942 - 3,370 in 1943

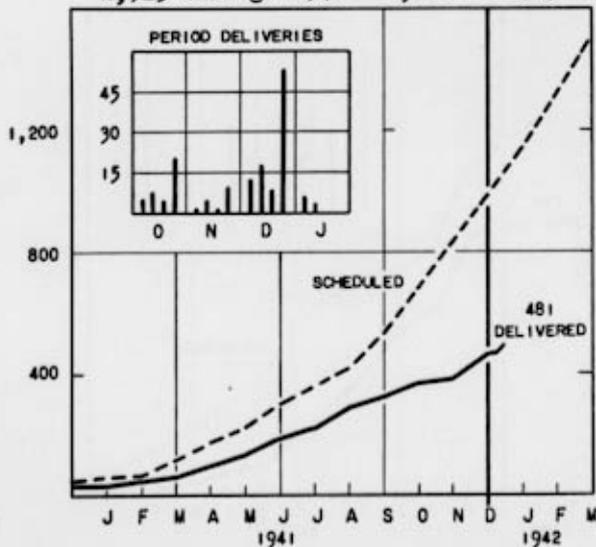


ARMY INSTALLATION ENGINES

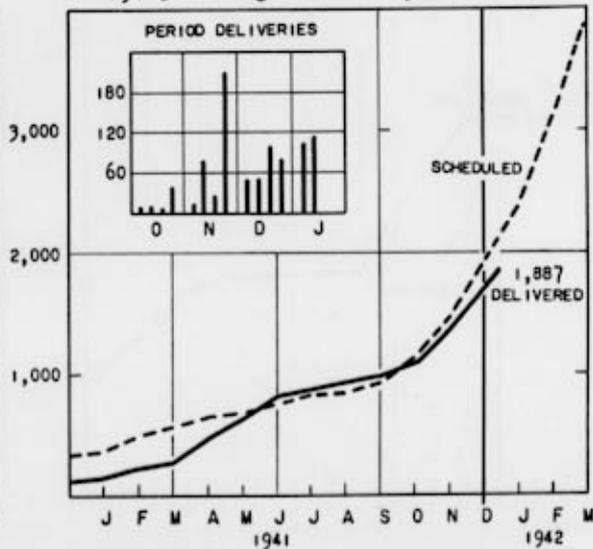
20,104 HEAVY BOMBER
12,456 through 1942 - 7,648 in 1943



4,615 MEDIUM BOMBER
2,915 through 1942 - 1,700 in 1943

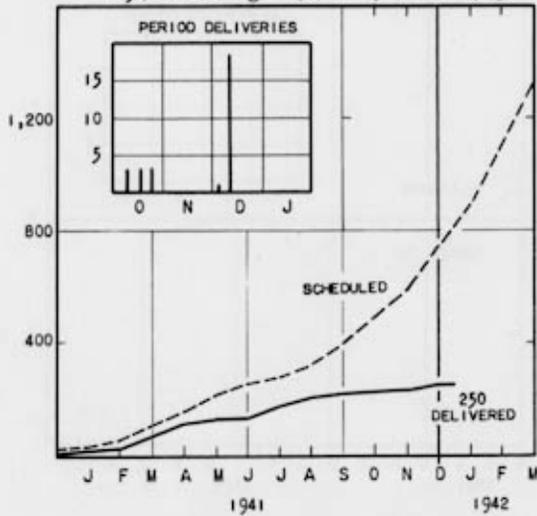


9,650 MEDIUM BOMBER
7,703 through 1942 - 1,947 in 1943



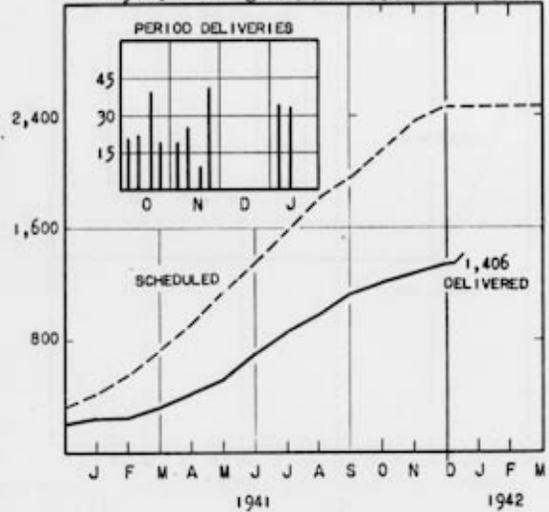
ARMY PROJECT AIRPLANES

1,900 LIGHT BOMBER
1,400 through 1942 - 500 in 1943

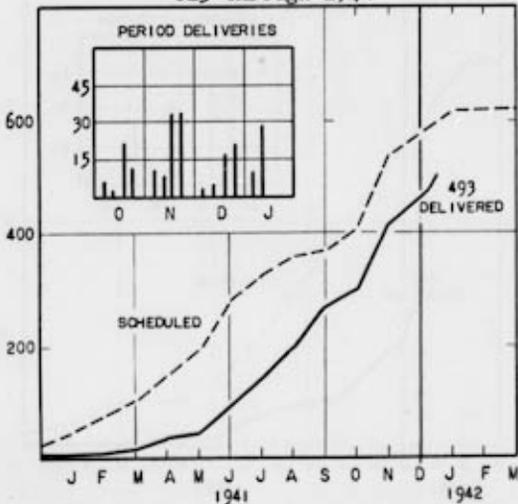


ARMY INSTALLATION ENGINES

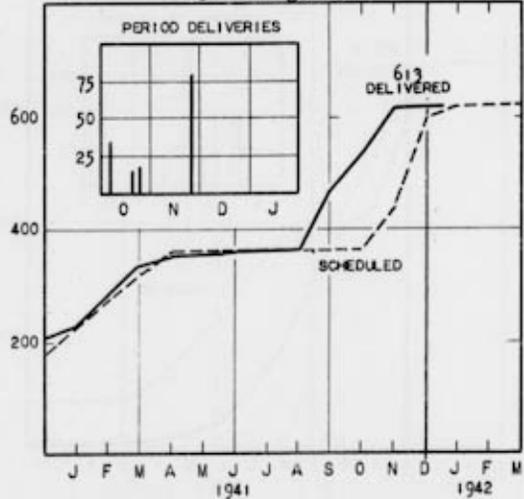
3,744 LIGHT BOMBER
2,785 through 1942 - 959 in 1943



613 OBSERVATION
613 through 1942

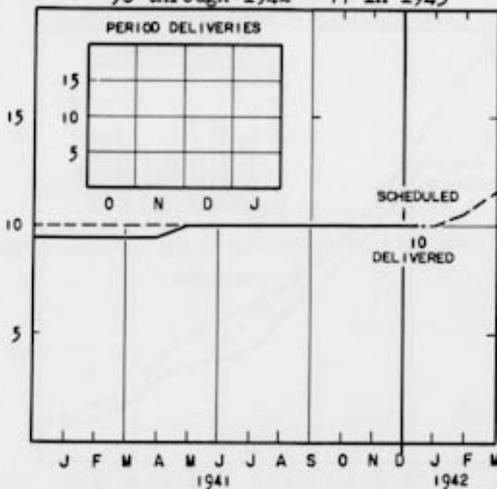


613 OBSERVATION
613 through 1942



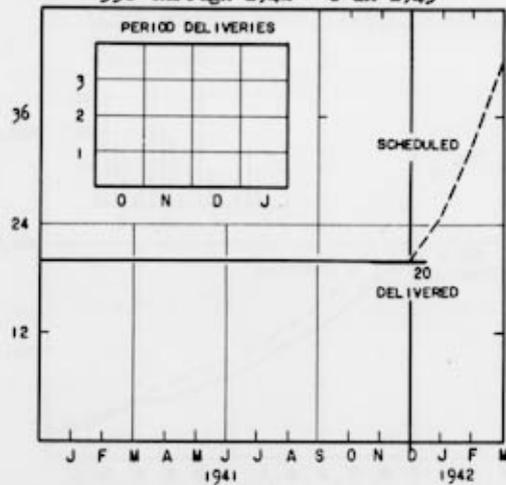
ARMY PROJECT AIRPLANES

173 PURSUIT FIGHTER
96 through 1942 - 77 in 1943

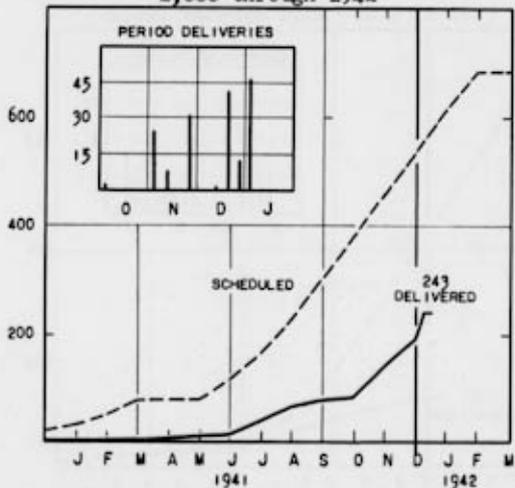


ARMY INSTALLATION ENGINES

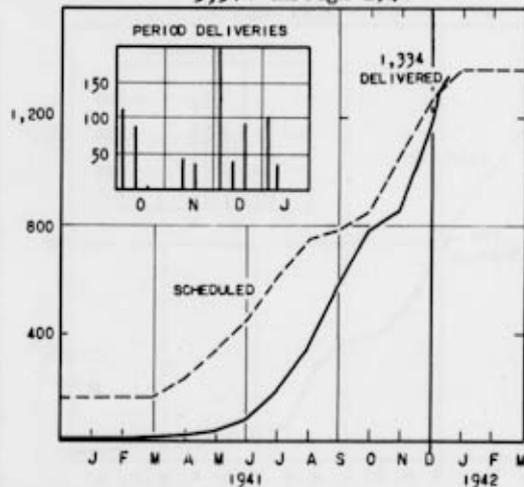
346 PURSUIT FIGHTER
338 through 1942 - 8 in 1943



1,686 PURSUIT INTER., 2 ENG.
1,686 through 1942

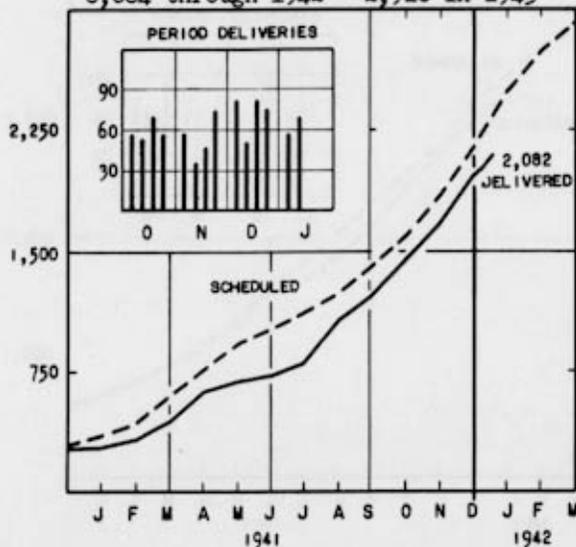


3,372 PURSUIT INTER., 2 ENG.
3,372 through 1942



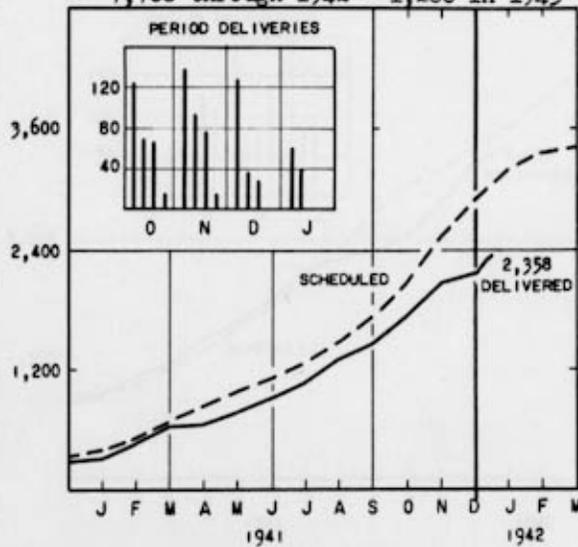
ARMY PROJECT AIRPLANES

8,994 PURSUIT INTER., 1 ENG.
6,084 through 1942 - 2,910 in 1943

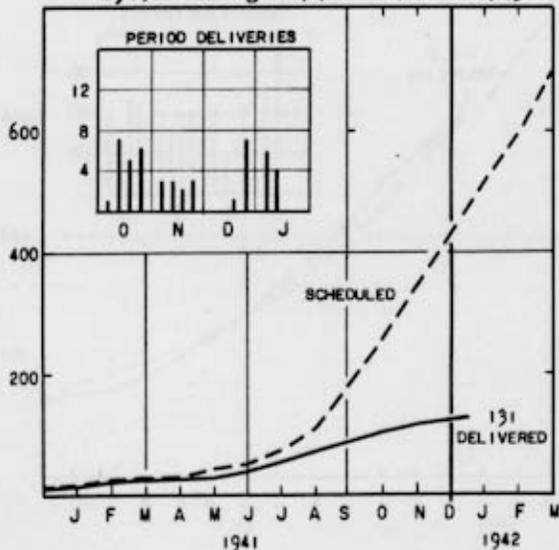


ARMY INSTALLATION ENGINES

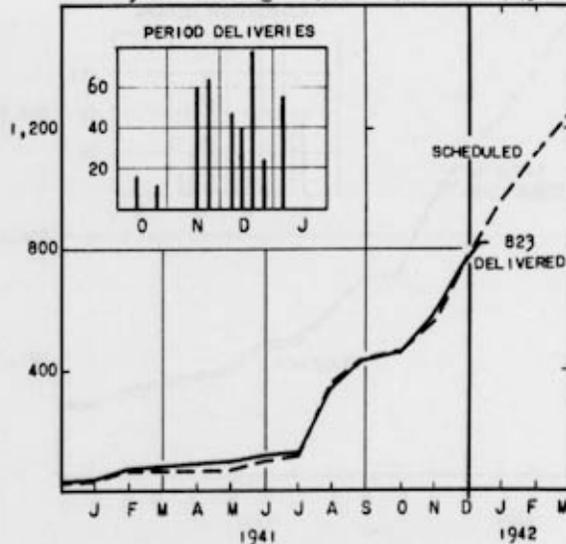
8,994 PURSUIT INTER., 1 ENG.
7,708 through 1942 - 1,286 in 1943



1,361 TRANSPORT
1,091 through 1942 - 270 in 1943

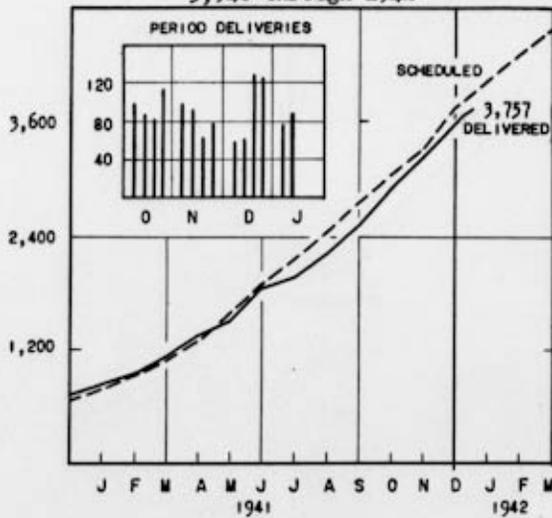


2,784 TRANSPORT
1,872 through 1942 - 912 in 1943



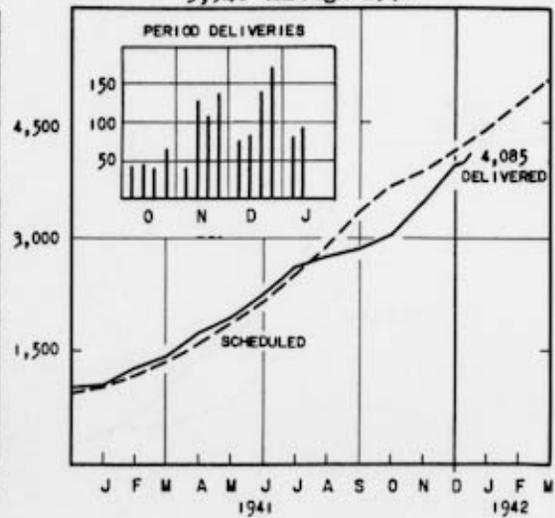
ARMY PROJECT AIRPLANES

5,940 PRIMARY TRAINER
5,940 through 1942

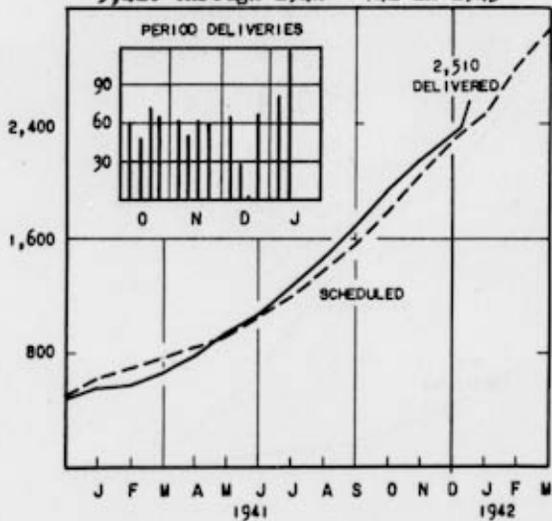


ARMY INSTALLATION ENGINES

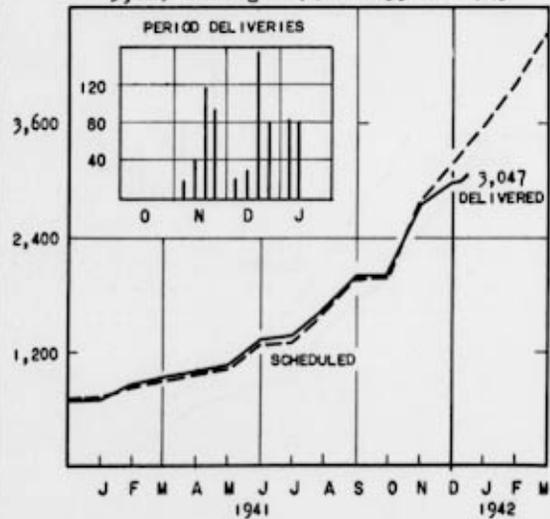
5,940 PRIMARY TRAINER
5,940 through 1942



6,151 BASIC TRAINER
5,410 through 1942 - 741 in 1943

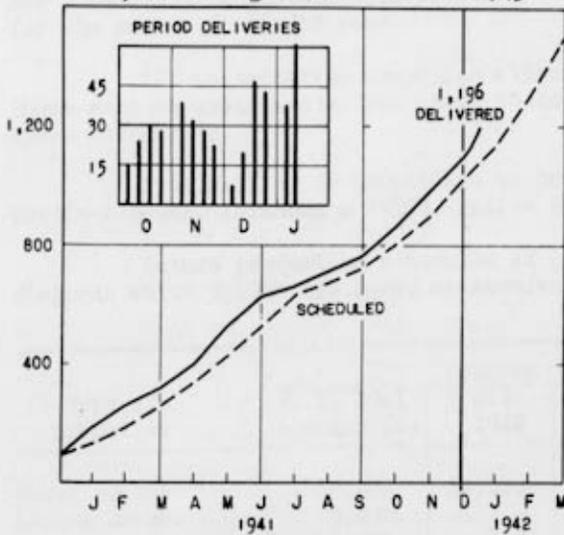


6,472 BASIC TRAINER
5,619 through 1942 - 853 in 1943



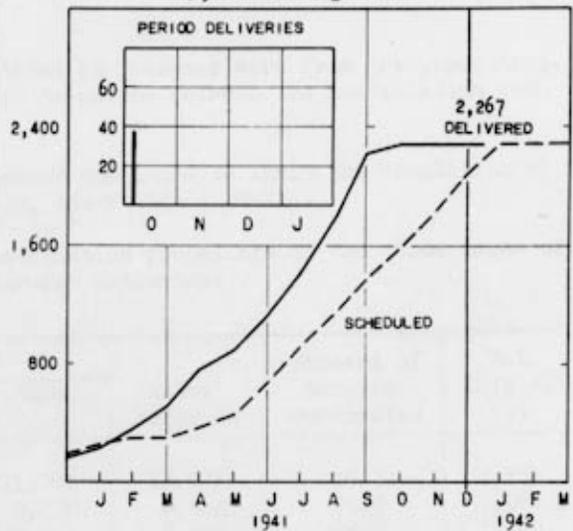
ARMY PROJECT AIRPLANES

3,627 ADVANCE TRAINER, 1 ENGINE
2,799 through 1942 - 828 in 1943

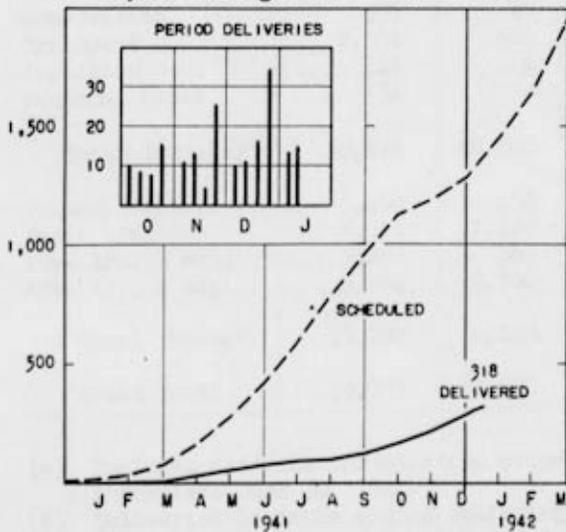


ARMY INSTALLATION ENGINES

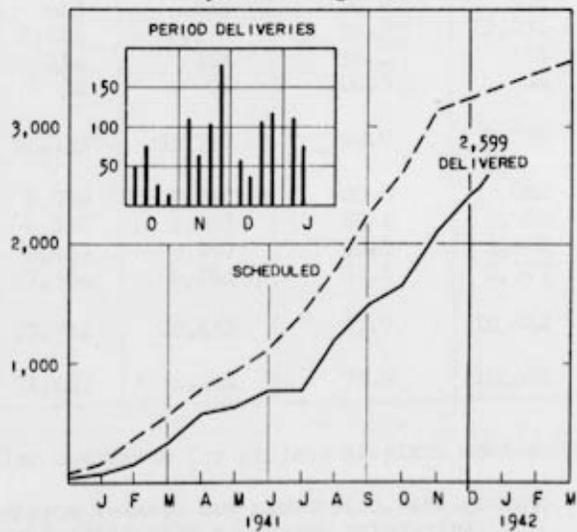
3,627 ADVANCE TRAINER, 1 ENGINE
3,627 through 1942



3,682 ADVANCE TRAINER, 2 ENGINE
3,593 through 1942 - 89 in 1943



6,384 ADVANCE TRAINER, 2 ENGINE
6,384 through 1942



TEXT SUMMARY - INSTALLATION PROPELLER PROCUREMENT - DECEMBER 31, 1941

Source of Information: Materiel Division - Air Corps

New production of installation propellers for the Army during December amounted to 2,260 units. This represents 1,201 tactical units and 1,059 trainer units. New production of installation propellers in December established a further record for the current calendar year.

All installation propeller allocations in December were from new production. There were no assignments from stock pools or transfers between the installation and spare categories.

Availability of propellers in December continued to limit the completion of Martin's B-26A, Lockheed's P-38E, Bell's P-39, and Vultee's BT-13A.

Future production schedules of installation propellers on the three pages of diagrams which follow are based on manufacturers' estimates.

Type of propeller	Program			Under contract	Percent of program contracted	Del. 12/31/41 (b)
	F. Y. 1941 & prior (a)	F.Y. 1942	Total			
Heavy bomber	8,984	12,720	21,704	12,876	59.3	2,101
Medium bomber	9,230	-	9,230	8,860	96.0	1,967
Light bomber	3,576	168	3,744	2,618	69.9	1,291
Pursuit fighter	46	300	346	46	13.3	20
Pur. inter., 2 eng.	1,372	2,000	3,372	2,372	70.3	442
Pur. inter., 1 eng.	4,394	4,700	9,094	5,594	61.5	2,072
Observation	533	80	613	613	100.0	501
Transport	2,358	486	2,844	2,598	91.3	1,251
Amphibian	148	6	154	151	98.1	151
Reconnaissance	34	-	34	34	100.0	34
Total Tactical	30,675	20,460	51,135	35,762	69.9	9,830
Primary trainer	5,490	450	5,940	5,940	100.0	3,942
Basic trainer	5,051	1,100	6,151	5,051	82.1	2,905
Adv. tr., 1 eng.	3,297	360	3,657	3,297	90.2	1,468
Adv. tr., 2 eng.	5,264	2,300	7,564	6,164	81.4	2,327
Total Trainer	19,102	4,210	23,312	20,452	87.7	10,642
Grand Total	49,777	24,670	74,447	56,214	75.5	20,472

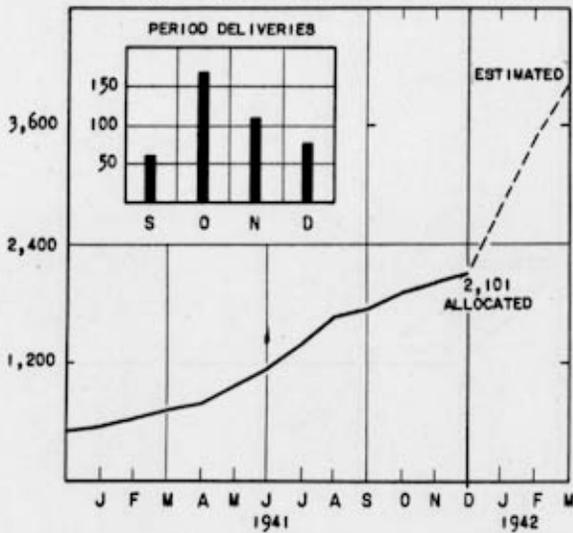
(a) Includes matching installation propeller contracts for project airplane contracts incomplete June 30, 1940.

(b) Deliveries in table and on following charts reflect new production, assignments from stock pools, and transfers between installation and spare categories.

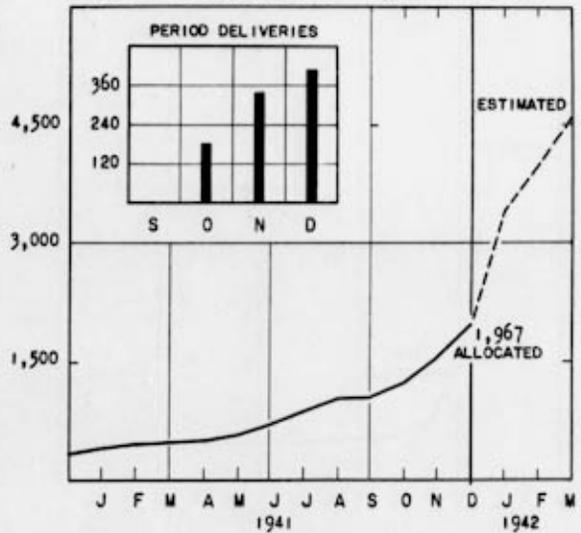
INSTALLATION PROPELLERS - ALLOCATIONS AND ESTIMATES - DECEMBER 31, 1941

Source of Information: Materiel Division Estimates - Air Corps

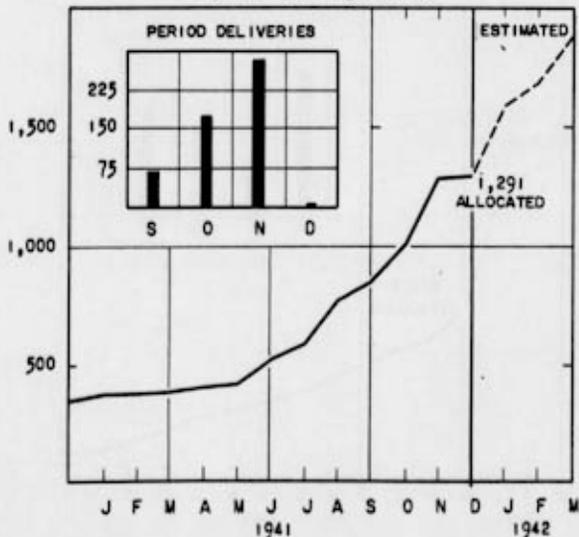
12,876 HEAVY BOMBER
12,579 through 1942 - 297 in 1943



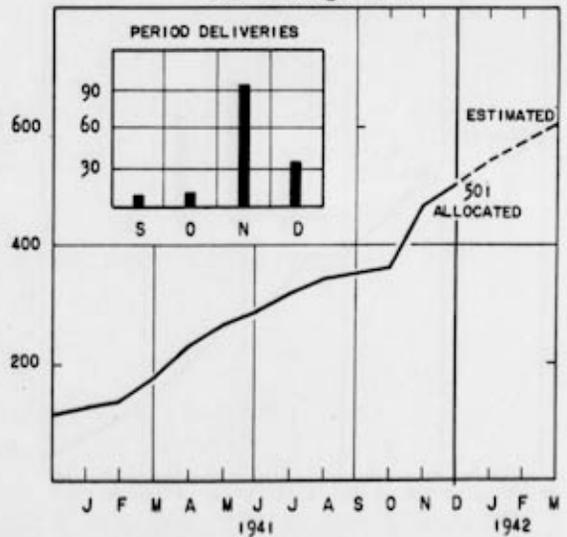
8,860 MEDIUM BOMBER
7,860 through 1942 - 1,000 in 1943



2,618 LIGHT BOMBER
2,618 through 1942



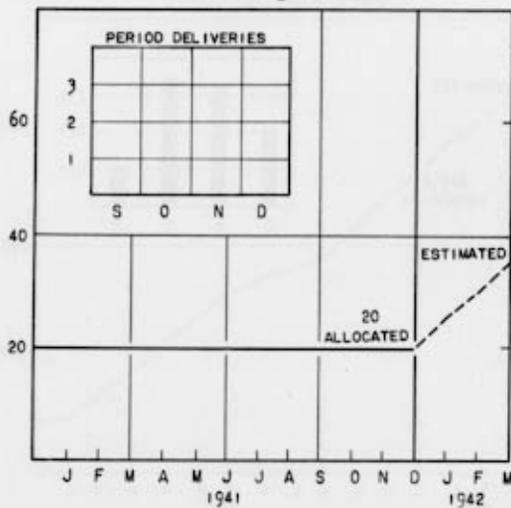
613 OBSERVATION
613 through 1942



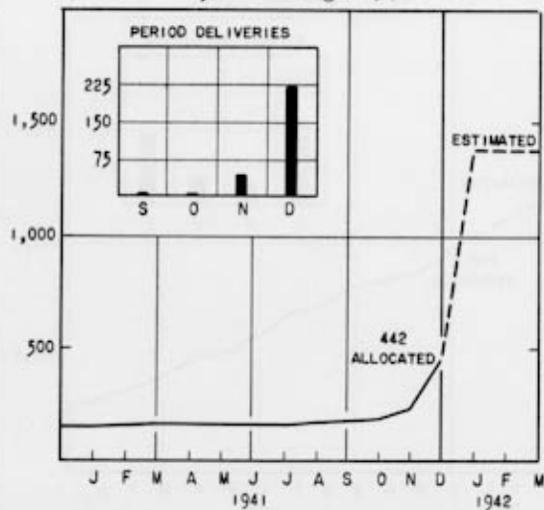
INSTALLATION PROPELLERS - ALLOCATIONS AND ESTIMATES - DECEMBER 31, 1941

Source of Information: Materiel Division Estimates - Air Corps

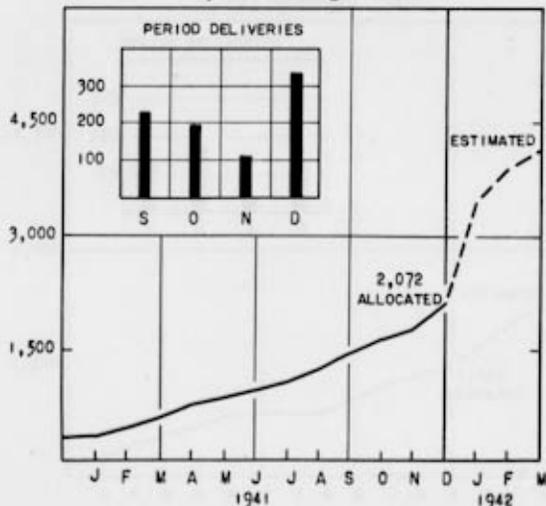
46 PURSUIT FIGHTER
46 through 1942



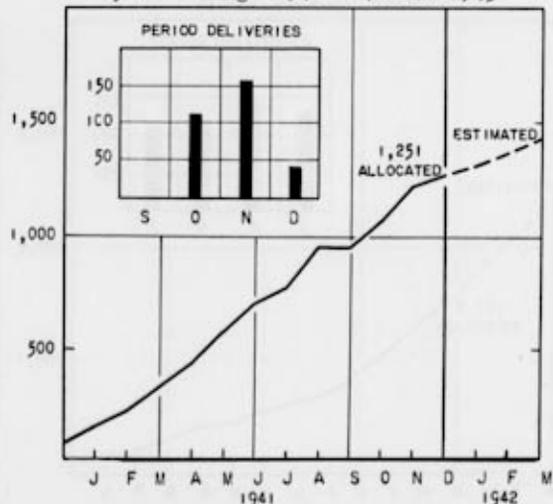
2,372 PURSUIT INTERCEPTOR, 2-ENGINE
2,372 through 1942



5,594 PURSUIT INTERCEPTOR, 1 ENGINE
5,594 through 1942



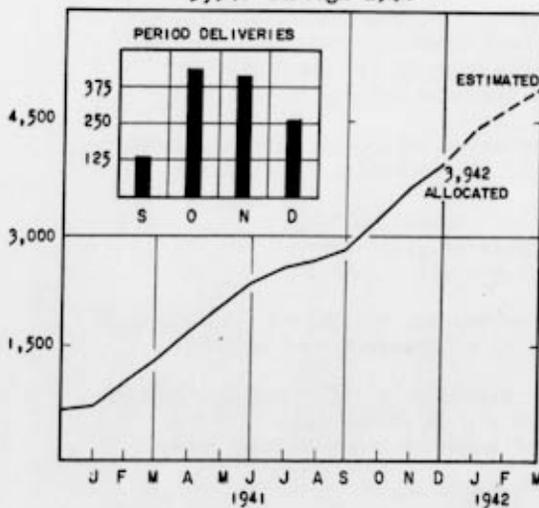
2,598 TRANSPORT
2,176 through 1942 - 422 in 1943



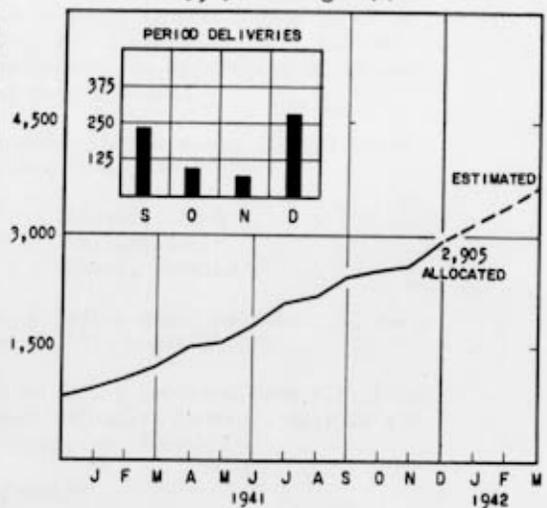
INSTALLATION PROPELLERS - ALLOCATIONS AND ESTIMATES - DECEMBER 1941

Source of Information: Materiel Division Estimates - Air Corps

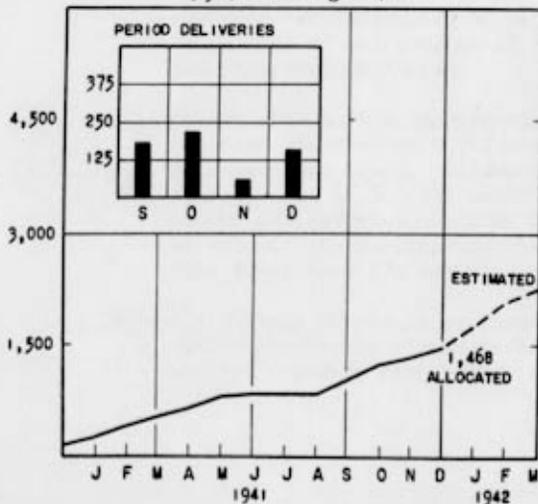
5,940 PRIMARY TRAINER
5,940 through 1942



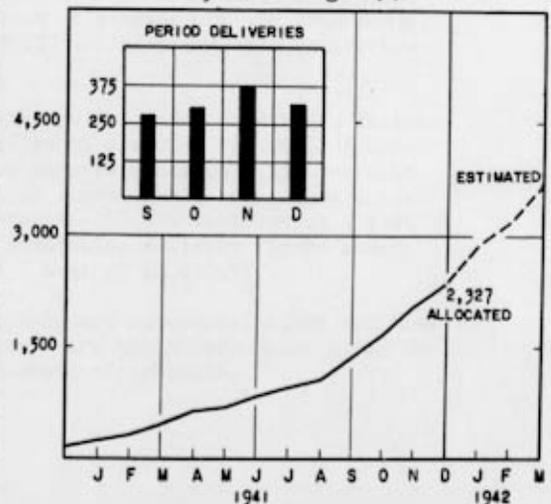
5,051 BASIC TRAINER
5,051 through 1942



3,297 ADVANCE TRAINER, 1 ENGINE
3,297 through 1942



6,164 ADVANCE TRAINER, 2 ENGINE
6,164 through 1942



TEXT SUMMARY - QUARTERMASTER PROCUREMENT - January 22, 1942

Source: Statistics Branch, Office of the Quartermaster General

BASIC ITEMS

General: As of December 31, complete delivery has been made on 12 of 174 basic items procured from 1941 and 1942 funds. The 162 remaining items are 85 percent contracted and an average of 55 percent of their total programs has been procured.

Contracts: For the period ended December 31, increases in contracted amounts were indicated for 14 basic items, including:

Carrier, pack	Locker, trunk
Coat, wool, service	Pillowcases
Gloves, wool, o.d.	Shoes, service

Deliveries: During the quarter-monthly period ended December 31, deliveries were effected on 119 of the 174 basic items.

Schedule Status: Of the 174 basic items being procured from F.Y. 1941 and F.Y. 1942 funds, 65 are behind schedule; however, only 26 are more than 10 percent behind schedule.

MOTOR VEHICLES

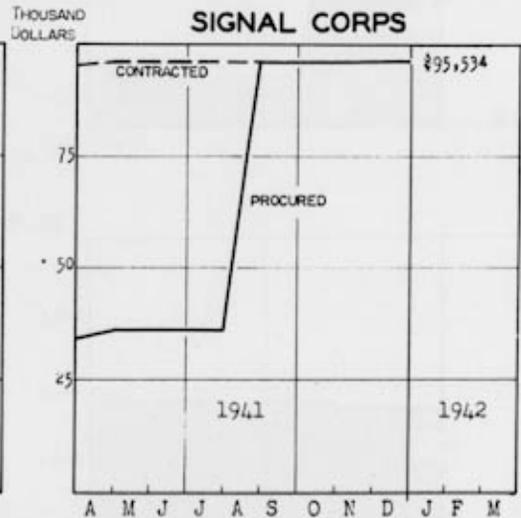
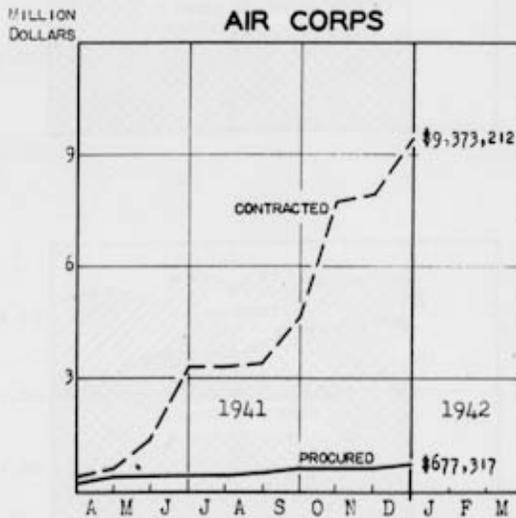
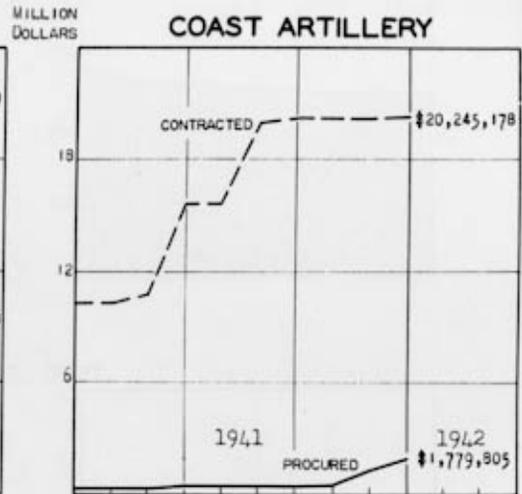
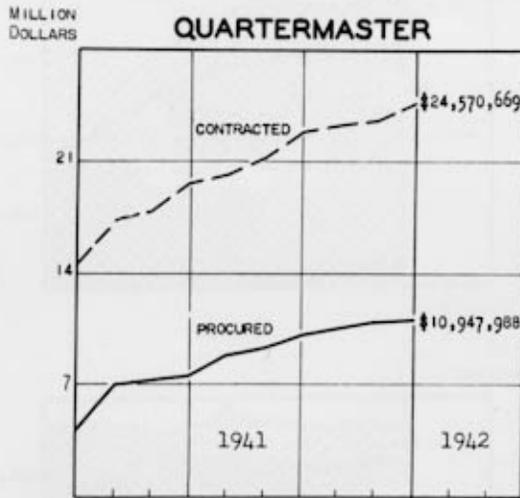
Contracts: As of January 8, contracts have been awarded for 300,378 vehicles, obligating 422 million dollars of 1941 and 1942 funds. Under 1941 funds, 100 percent of the program of 242,230 vehicles has been contracted and 91 percent delivered. Of the 1942 funds, 98 percent of the program of 59,192 vehicles has been contracted and 9 percent delivered.

Deliveries: During the quarter-monthly period ended January 8, deliveries were reported on 5,912 vehicles at a cost of \$7,807,135 under 1941 and 1942 funds. Deliveries were reported on 5,178 vehicles at a cost of \$6,983,131 under 1941 funds. This brings the cumulative deliveries under 1941 funds to 219,932 vehicles at a cost of 303 million dollars and the cumulative delivery figure under 1942 funds to 5,171 vehicles at a cost of \$6,610,717.

Schedule Status: Based on estimated delivery schedules, 6,789 vehicles distributed among 17 manufacturers were behind schedule; 2,563 vehicles, however, were delivered ahead of schedule.

Q. M. C. PROCUREMENT OF WATER TRANSPORTATION

Source: Statistics Branch, Office of the Quartermaster General

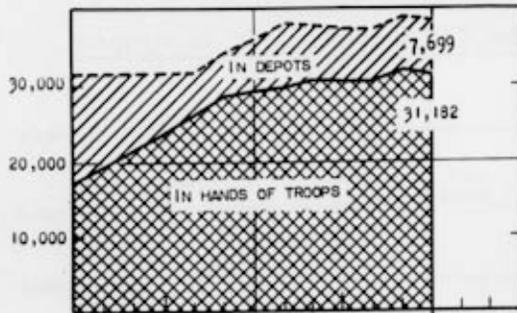


STATUS OF ANIMAL STRENGTH - Q. M. C. PROCUREMENT

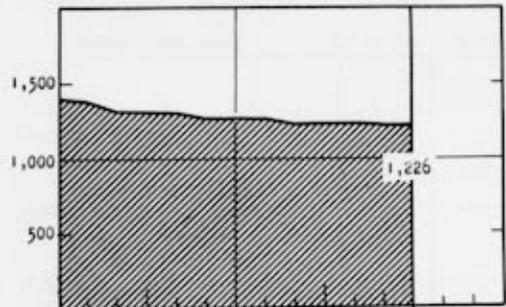
Source: Statistics Branch Office of the Quartermaster General

IN U.S.

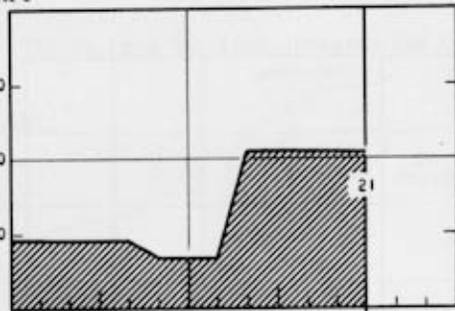
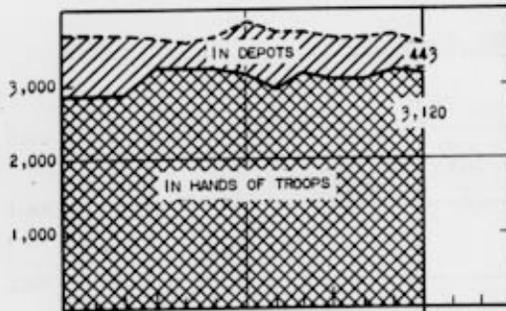
HORSES, RIDING



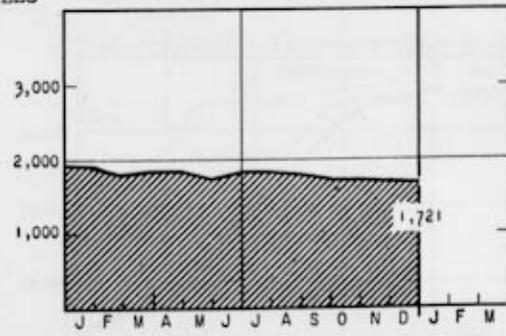
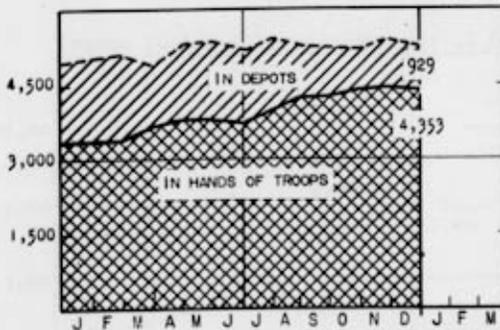
IN FOREIGN SERVICE



HORSES, DRAFT

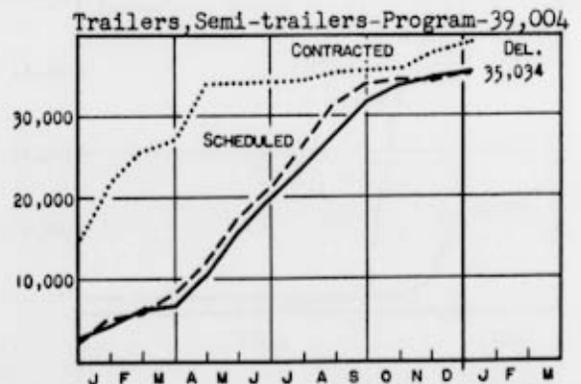
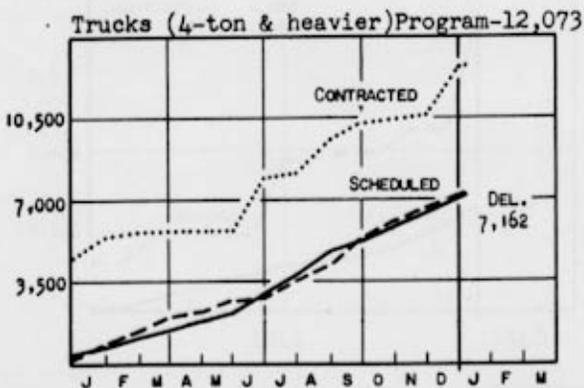
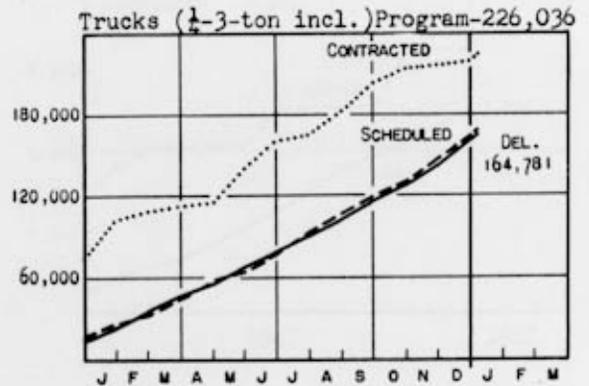
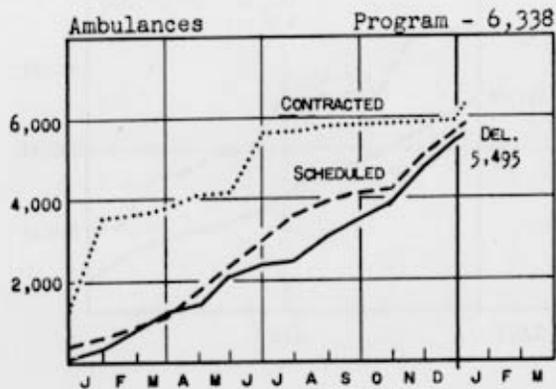
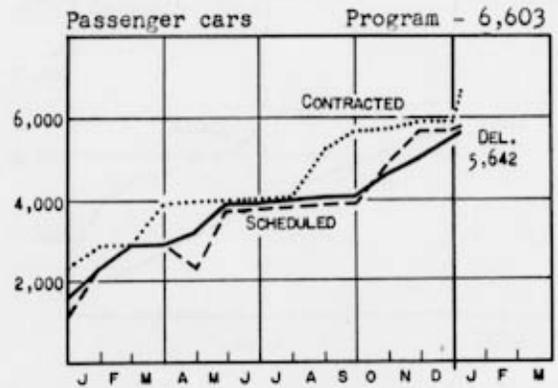
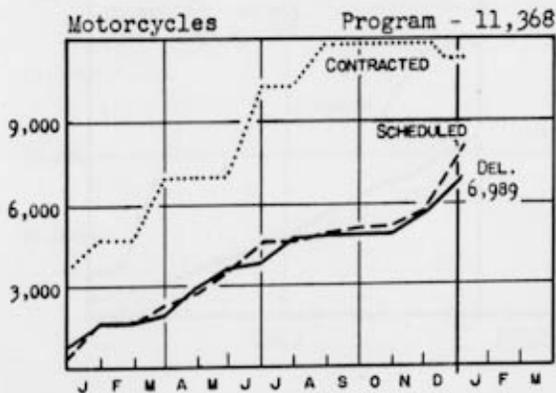


MULES



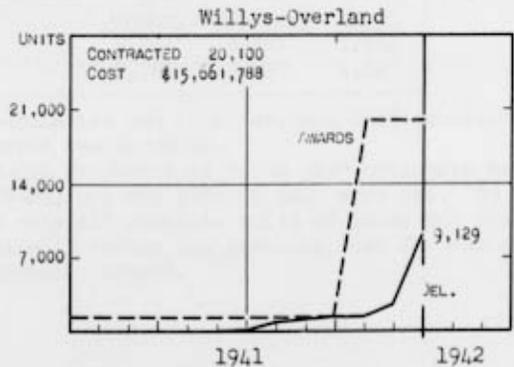
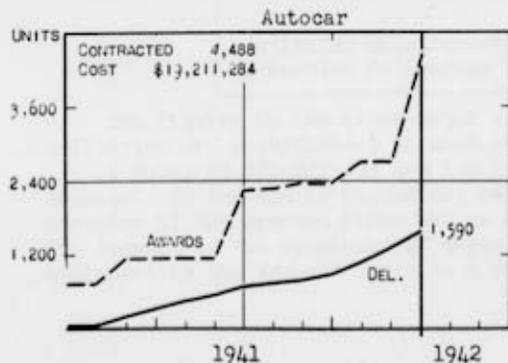
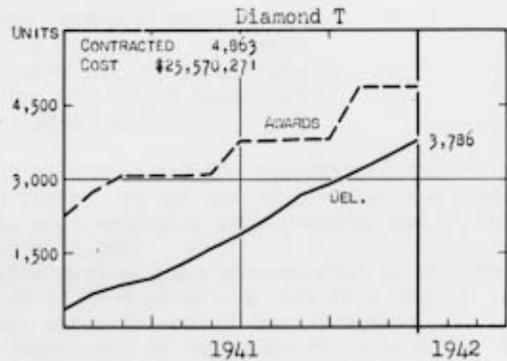
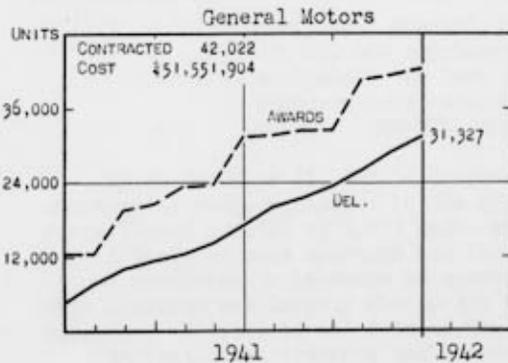
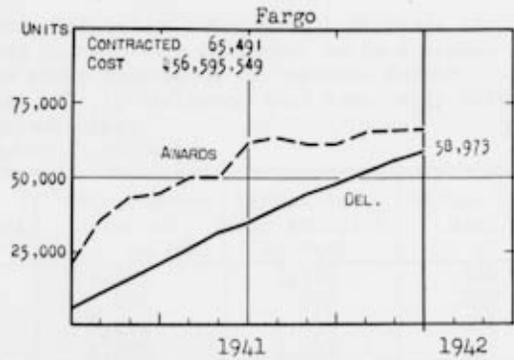
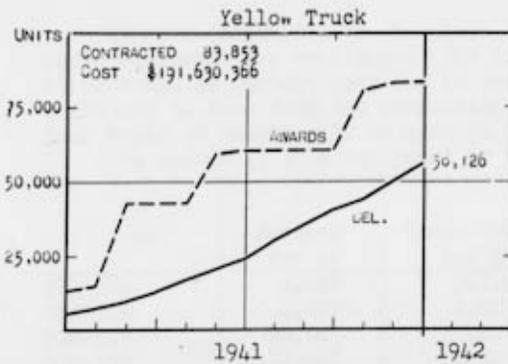
Q. M. C. - PROCUREMENT OF MOTOR VEHICLES BY TYPES - F.Y. 1941 & 1942 - Jan. 8, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General



Q.M.C. AWARDS AND DELIVERIES OF LARGEST MOTOR VEHICLE CONTRACTORS

Source: Statistics Branch, Office of the Quartermaster General



Quartermaster Corps

Statistics Branch
OUSW - 1-24-42

TEXT SUMMARY - SIGNAL CORPS PROCUREMENT - JANUARY 17, 1942

Sources of Information: Headquarters Armored Force; Office of the Chief Signal Officer; Office of the Defense Aid Director

Reports compiled from the above sources indicate a considerable shortage of radio equipment for vehicles of the Armored Force. This equipment is in a transition stage as certain sets now in use are being superseded by improved models beginning to come from the production lines. It is indicated that eventually only four types of radios will be used in these vehicles.

The status of this equipment on December 31 follows:

Set	Program for AF	Under Contract for AF	Requirements for AF based on T/BA	Radios Req'd for vehicles on hand	*Total On Hand in AF
SCR-506	3,110	3,110	1,265	1,133	860
SCR-508	2,827	2,827	705	609	253
SCR-528	20,647	13,807	2,014	1,436	516
SCR-538	12,901	12,901	1,633	1,430	617
Totals	39,485	32,645	5,617	4,608	2,246

* Radio sets SCR-193, SCR-210, SCR-245, SCR-293, and SCR-294 are considered to be substitute standard equipment. On hand quantities include substitute standard sets reduced to the equivalent number of SCR-506, SCR-508, SCR-528 and SCR-538.

Up to December 31, little progress had been made towards alleviating the shortage of radio equipment in the Armored Force. At the end of November the Armored Force lacked a total of 1,853 radio sets to meet vehicular requirements, and at the end of December this shortage had increased to 2,362.

A considerable increase in unserviceable sets on hand was reported in December. This increase was largely due to the receipt of incomplete new sets from supply agencies. A total of 441 sets of the latter category were on hand December 31.

Estimated requirements and scheduled deliveries of vehicular radio sets for the next three months follow:

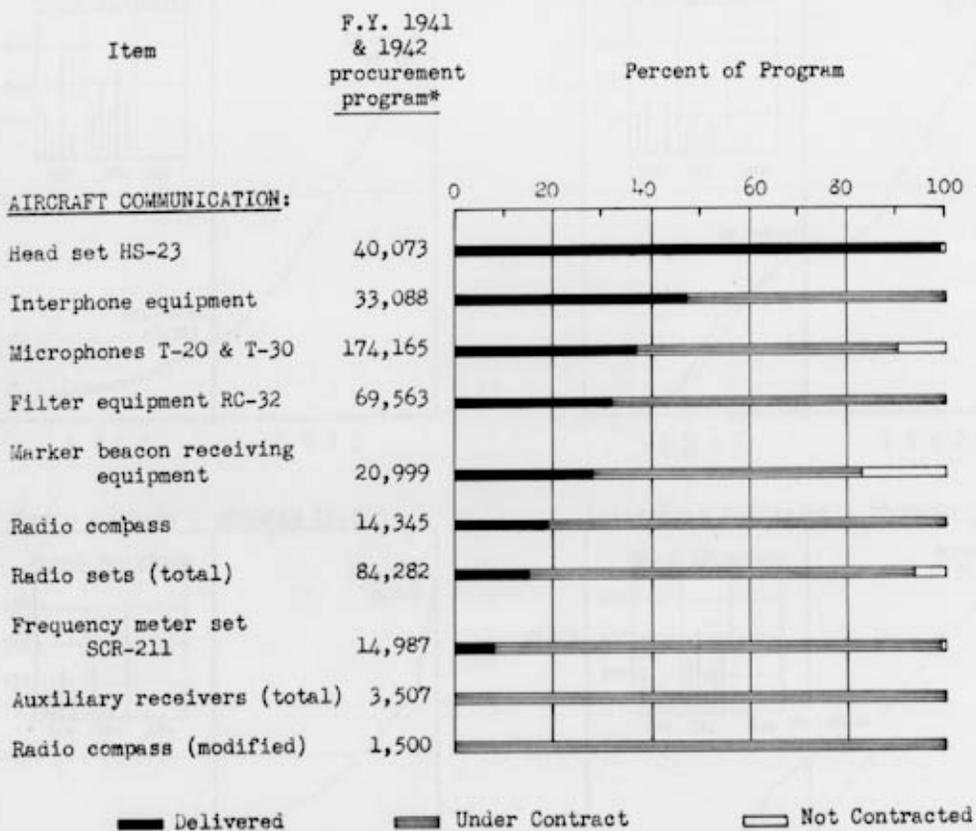
	January	February	March
Estimated Requirements	5,154	5,361	5,564
Scheduled Deliveries	3,387	3,547	4,347

The figures in the above table are cumulative and it is evident that scheduled deliveries are insufficient to meet estimated requirements.

A total of 510 SCR-293 and 1,040 SCR-294 purchased as "stop gap" sets have been ordered. At the end of September, 400 SCR-293 and 800 SCR-294 sets were due. On December 31 the Armored Force had on hand only 412 complete units of these two types. The receipt of the remainder of these sets will reduce the pressing need for radio equipment in the Armored Force to a considerable extent.

SIGNAL CORPS PROCUREMENT - SELECTED CRITICAL ITEMS - JANUARY 17, 1942

Source of Information: Office of the Chief Signal Officer, Procurement Division

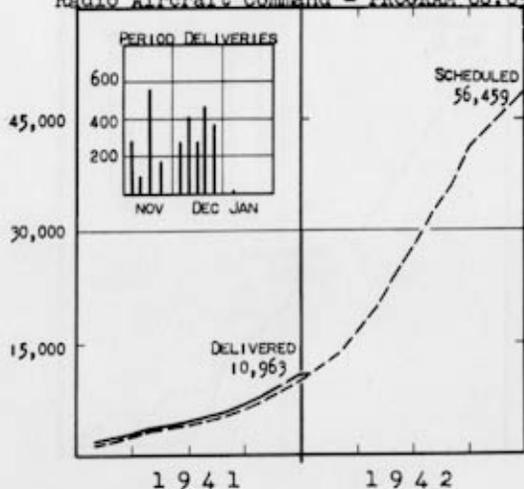


* Quantities in excess of program include procurement for the Navy and quantities which are component parts of other critical items.

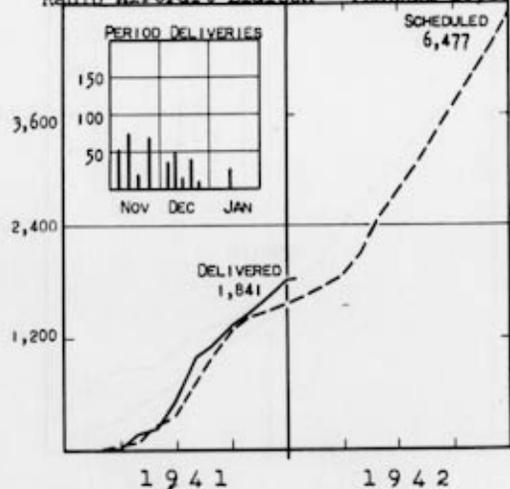
SIGNAL CORPS PROCUREMENT - SELECTED ITEMS - AIRCRAFT COMMUNICATION EQUIPMENT
JANUARY 17, 1942

Source of Information: Procurement Division, Office of the Chief Signal Officer
 Materiel Division, Office of the Chief of Air Corps

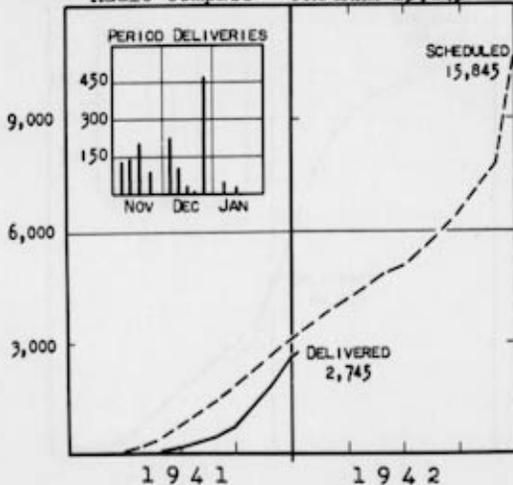
Radio Aircraft Command - PROGRAM 68,694



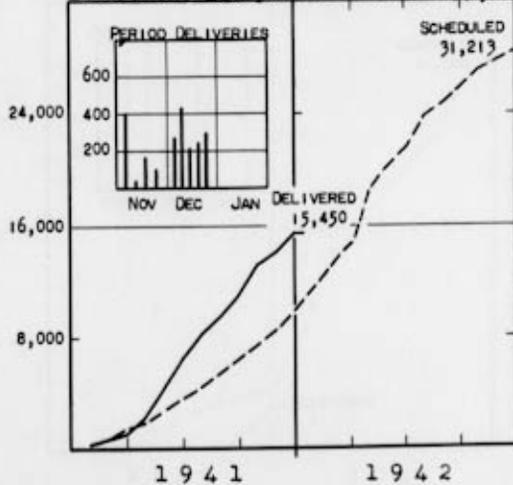
Radio Aircraft Liaison - PROGRAM 15,588



Radio Compass - PROGRAM 15,845



Interphone Equipment - PROGRAM 33,088



TEXT SUMMARY - CORPS OF ENGINEERS - PROCUREMENT PROGRESS THROUGH JANUARY 15, 1942

Source of Information: Supply Section, Office of the Chief of Engineers

GENERAL

Since the first of January the Engineer Equipment Procurement Program has increased in activity. The number of items which are active and on which deliveries are being received has increased in number. At the same time the number of items which are being delivered ahead of schedule has also increased.

SEARCHLIGHT, 60" ANTI-AIRCRAFT

The Sperry Gyroscope Corporation is continuing to turn out searchlights at an increased rate. For the first half of January Sperry was scheduled for only 38 lights but delivered more than twice that number--92. During the same period the General Electric Company also exceeded its schedule by delivering 25 when only 18 were scheduled. The total deliveries of the two companies, 118, if continued for the entire month of January, will make the total deliveries for this month more than 225, which will be the highest since the program started.

But in order to complete the present program of 4039 lights in a reasonable period, say the middle of September, 1942, a much higher rate than 225 searchlights must be reached. As of January 15 there were 2225 lights financed but not delivered. To receive these by September 15, a rate of over 275 per month must be reached.

CONTRACTS AWARDED

Of the 57 items being followed by this office, the number for which all funds available have been contracted is very small. It is only 9. The number which are from 76 to 99 percent contracted is also small--only 29. And those which are 51 - 75 percent contracted is 10. The total of these three classes, or the number of items for which more than 50 percent of the funds available have been obligated, is 48.

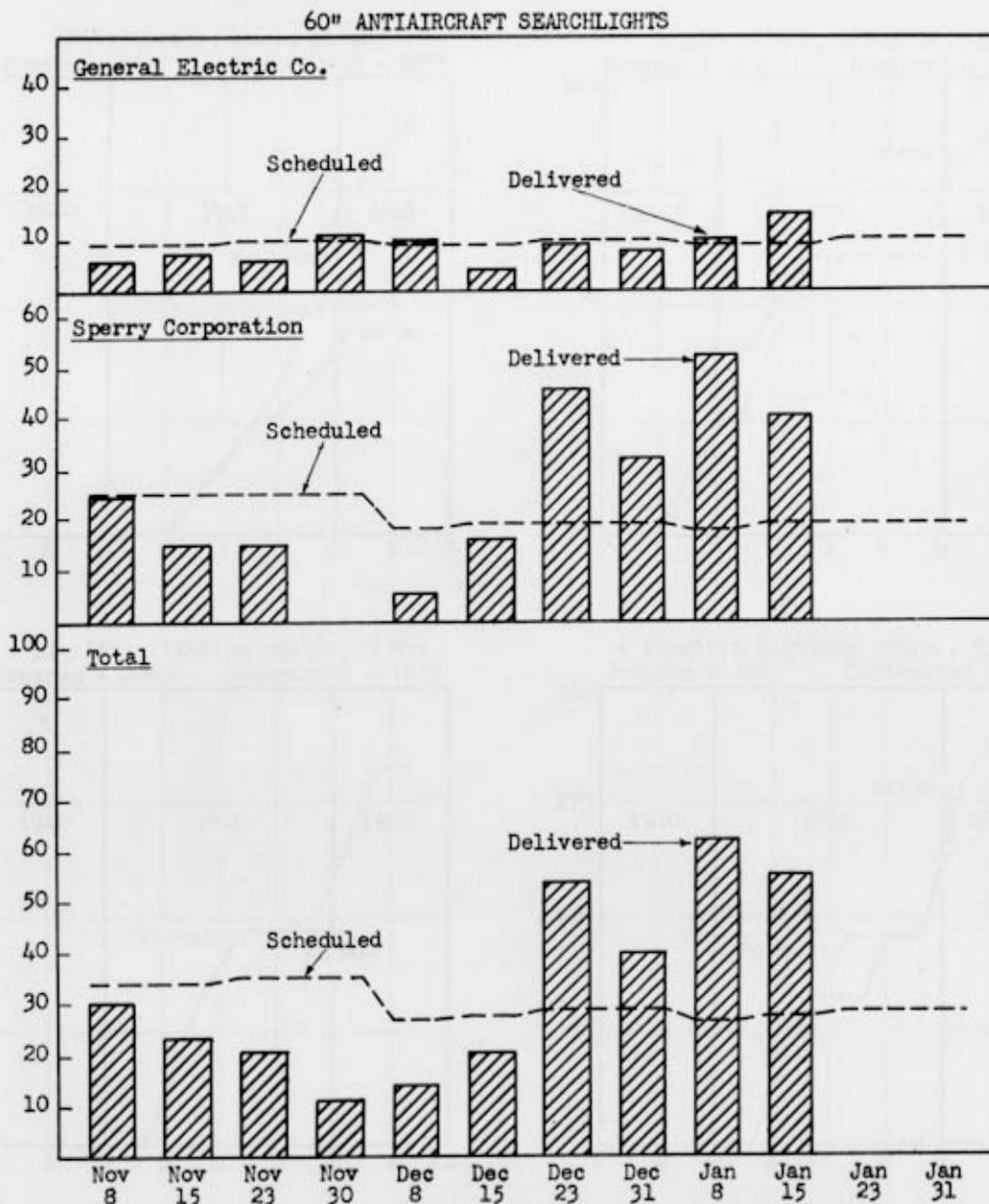
AHEAD AND BEHIND SCHEDULE

On January 15 there were 4 items completely delivered, 5 being delivered ahead of schedule and 13 being delivered behind schedule. The more important of those behind schedule are:

Electric lighting equipment, 3 kva
Planimeter, polar, Amsler's
Searchlight, 60" AA
Trailer for searchlight

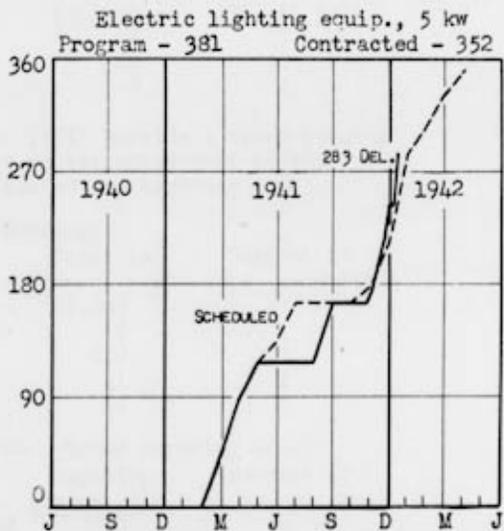
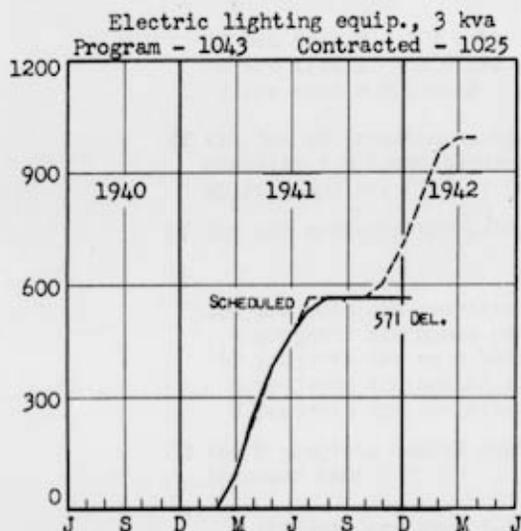
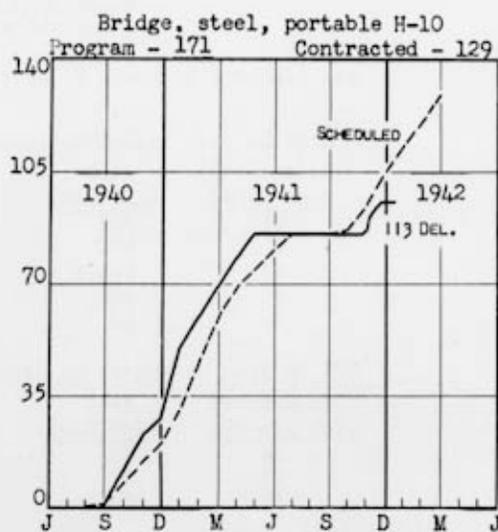
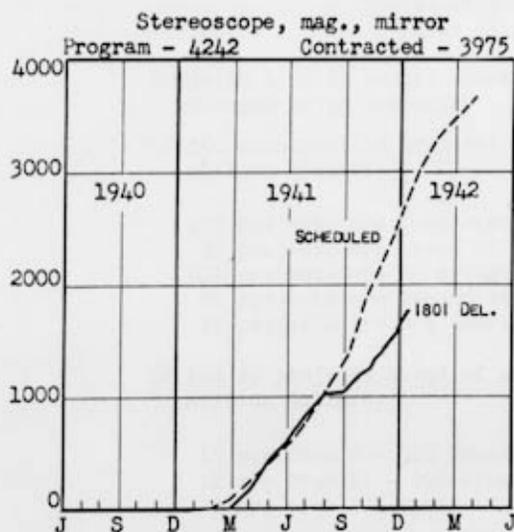
DIAGRAM - CORPS OF ENGINEERS - PROCUREMENT PROGRESS THROUGH JANUARY 15, 1942

Source of Information: Supply Section, Office of the Chief of Engineers



CORPS OF ENGINEERS - STATUS OF FOUR SELECTED ITEM'S - JANUARY 15, 1942

Source of Information: Supply Section, Office of the Chief of Engineers



TEXT SUMMARY - CONSTRUCTION PROGRESS - DECEMBER 31, 1941

Source of Information: Construction Division, Office of the Chief of Engineers

STATUS OF MILITARY CONSTRUCTION
(less Air Corps projects)

Projects 1 to 4% behind schedule and 1 to 4% ahead of schedule are classed as on schedule.

Of 586 construction projects with a total estimated cost of 2550 million dollars:

	Cost (mil. dol.)	Percent of total cost
308 projects are completed	886	35
35 projects are ahead of schedule	178	7
201 projects are on schedule	1,299	51
25 projects are behind schedule	124	5
17 projects are not started	63	2

Of the 35 projects ahead of schedule with an estimated cost of 178 million dollars:

	Cost (mil. dol.)	Percent of 178 mil. dol.
17 are from 5 - 10% ahead	86	48
12 are from 11 - 20% ahead	70	39
6 are over 20% ahead	22	13

Of the 25 projects behind schedule with an estimated cost of 124 million dollars:

	Cost (mil. dol.)	Percent of 124 mil. dol.
15 are from 5 - 10% behind	96	77
8 are from 11 - 20% behind	26	21
2 are over 20% behind	2	2

Of the 586 construction projects, 295 (50%) provide a troop housing capacity for 1,485 thousand men at an estimated cost of 968 million dollars (38% of total estimated construction cost).

Of the 295 projects providing troop housing:

	Capacity (thous. men)	Percent of total capacity
201 projects are completed	1,289	87
9 projects are ahead of schedule	10	1
69 projects are on schedule	129	9
8 projects are behind schedule	41	2
8 projects are not started	16	1

Of the 8 projects behind schedule with a troop capacity of 41 thousand men:

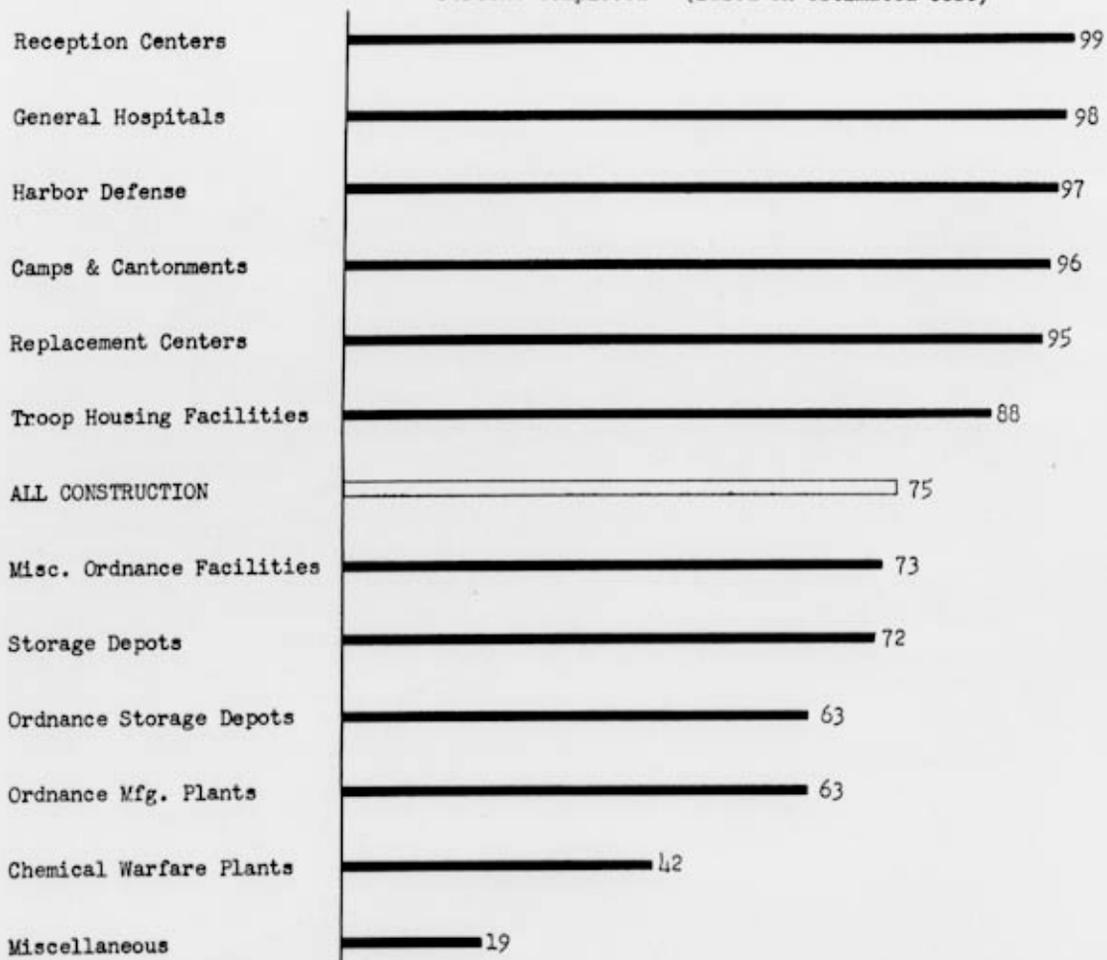
	Capacity (thous. men)	Percent of 41 thous. men
6 projects are from 5-10% behind	40	98
2 projects are from 11-20% behind	1	2

CORPS OF ENGINEERS - CONSTRUCTION PROGRESS - DECEMBER 31, 1941

Source of Information: Construction Division, Office of the Chief of Engineers

PERCENTAGE OF COMPLETION

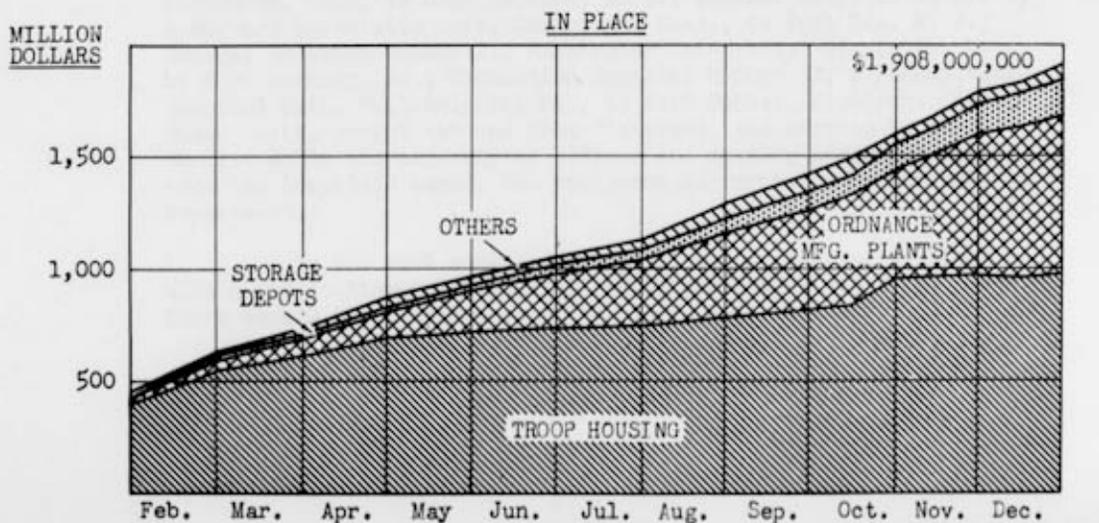
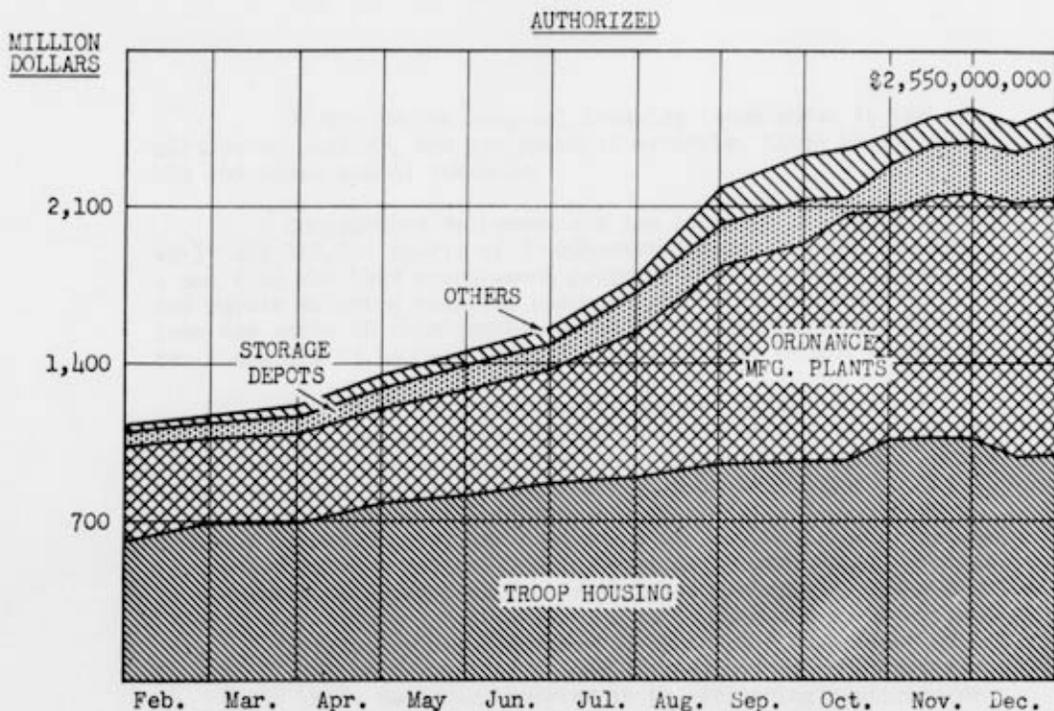
Percent completed - (Based on estimated cost)



CORPS OF ENGINEERS - CONSTRUCTION PROGRESS - December 31, 1941

Source of Information: Construction Division, Office of the Chief of Engineers

MILITARY CONSTRUCTION (less Air Corps projects)



TEXT SUMMARY - MEDICAL DEPARTMENT - FOR WEEK ENDED JANUARY 24, 1942

Source of Information: Finance & Supply Div. - Office of Surgeon General

Of the twelve Surgical Dressing items shown in the tabulation on page 48, two are ahead of schedule, three are on schedule and seven behind schedule.

Contractors delivered and had accepted 115,980 spools of 1" and 146,664 spools of 3" adhesive plaster between January 1 and 8 on the 1942 procurement program. The shortage of zinc and rubber entering into the composition of this material has been the cause of considerable delay in its manufacture. These two items are 63,340 and 113,218, respectively, behind schedule.

During the quarter monthly period ending January 8, 1941, contractors delivered 121,300 large first aid dressings and 105,000 of the small size on the 1941 procurement program. While these two items are still behind schedule it is understood that the firm of Convenience Incorporated, Greenville, S. C., with a contract for 1,175,000, has a shipment of 300,000 large dressings in transit for the Medical Supply Depot at Toledo, Ohio. Promise is made that this order will be rapidly completed.

Activation has been ordered by the War Department of General Hospitals Numbers 4, 5, and 21, and Evacuation Hospital 52. These units have been ordered to the following stations for training: General Hospital Number 4, a Cleveland Hospital unit, Cleveland, Ohio, to Camp Jackson, S. C.; General Hospital Number 5, a Harvard University unit, Cambridge, Mass., to Fort Dix, N. J.; General Hospital Number 21, Washington University, St. Louis, Mo., to Fort Benning, Ga.; Evacuation Hospital Number 52, a Pennsylvania Hospital unit, Philadelphia, Pa., to Fort Custer, Michigan. All of these units, except the one from Cleveland, saw service in World War I. While the majority of officer and nursing personnel are from the hospitals named, the equipment is furnished by the Medical Department.

In the week ending January 16, the percentage of sick within the continental limits of the United States was 3.13. There were 2.83 percent in hospital and .30 in quarters.

MEDICAL DEPARTMENT - PROCUREMENT STATUS, CERTAIN SELECTED ITEMS - JAN. 8, 1942

Source of Information: Medical Department Procurement Progress Reports

Surgical Dressings

Item	F.Y. 1941 and 1942 Procure- ment program	Con- tracted thru 1-8	Deliv- ered thru 1-8	Percent of Program		
				Con- tracted	Due	Deliv- ered
Bandage, gauze, roller, 4"	342,015	340,765	309,371	99	98	90
Bandage, gauze, roller, 3"	548,000	546,495	487,020	99	99	89
Dressing, first aid, small	5,353,000	4,700,000	4,510,000	88	88	84
Plaster, adhesive, 1"	1,917,106	1,739,946	1,577,406	89	86	82
Cotton, absorbent, roll	1,352,000	1,342,000	1,014,200	99	71	75
Plaster, adhesive, 3"	2,175,132	1,800,817	1,546,249	83	79	71
Bandage, gauze, roller, 2"	1,075,000	1,050,500	755,500	98	79	70
Cotton, absorbent, compressed	825,000	807,000	520,000	98	54	63
Gauze, plain, 100 yards	540,497	515,497	306,997	95	62	57
Dressing, first aid, large	5,002,300	4,000,300	2,519,400	80	80	50
Gauze, plain, 25 yards	433,712	408,712	158,712	94	45	37
Bandage, gauze, compressed, 3"	430,150	130,150	130,150	30	30	30

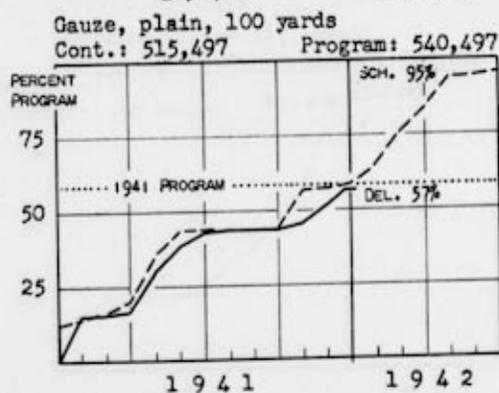
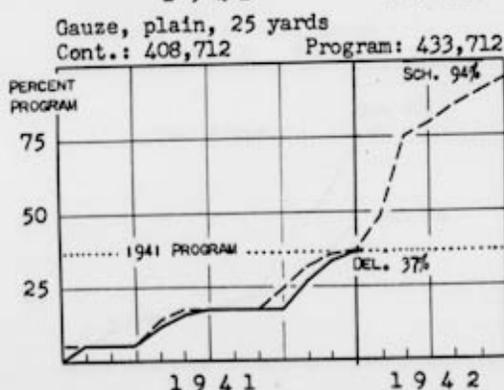
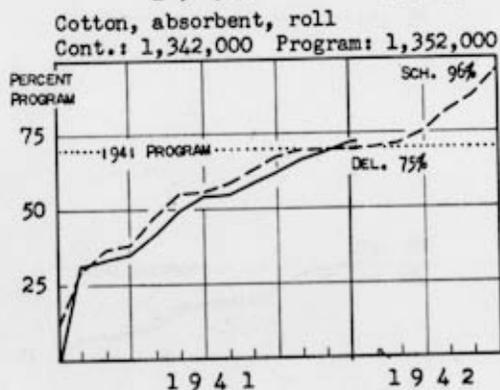
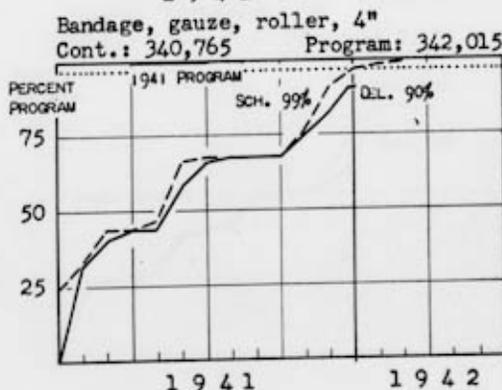
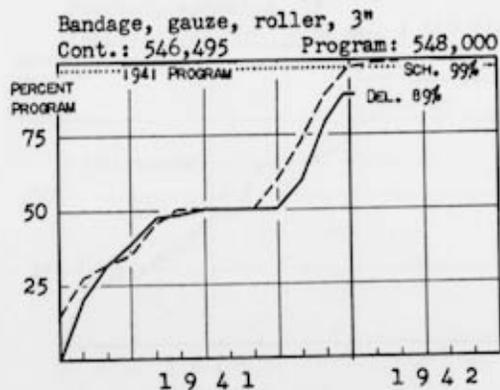
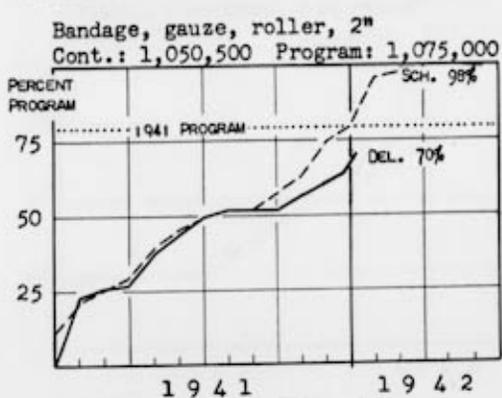
Supplies and Equipment

Pajama coat, summer	1,037,553	933,553	933,553	90	90	90
Pajama trousers, summer	1,033,553	933,553	933,553	90	90	90
Pillow, feather	321,010	271,010	271,010	84	84	84
Sterilizer, hospital, instrument	176	152	138	86	81	8
Splint set case, empty	7,000	5,000	5,000	71	71	71
Mattress, cotton	175,515	123,515	123,065	70	70	70
Mattress, inner spring	39,241	26,741	26,741	68	68	68
Robe, bath	573,516	420,816	370,016	73	65	65
Blanket, white	140,187	140,187	78,587	100	71	56
Splint, strap	40,664	20,664	20,652	51	51	51
Sheet	2,862,956	1,848,460	1,307,220	65	46	46

MEDICAL DEPARTMENT - DELIVERY STATUS - SIX SELECTED ITEMS - JANUARY 8, 1942

Source of Information: Medical Department Procurement Progress Reports

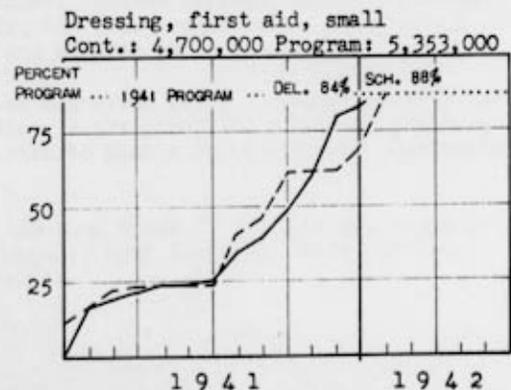
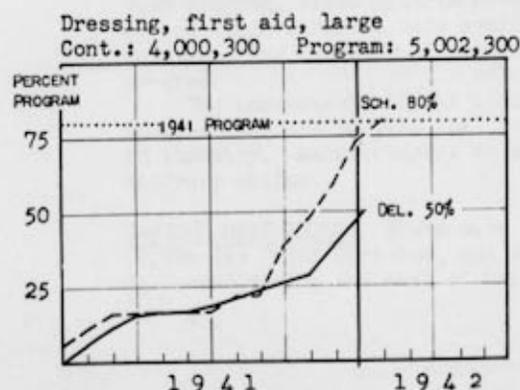
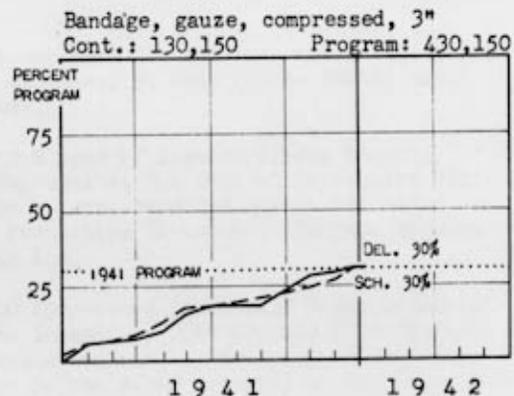
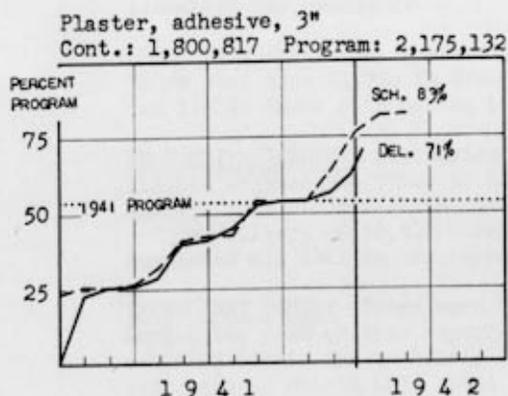
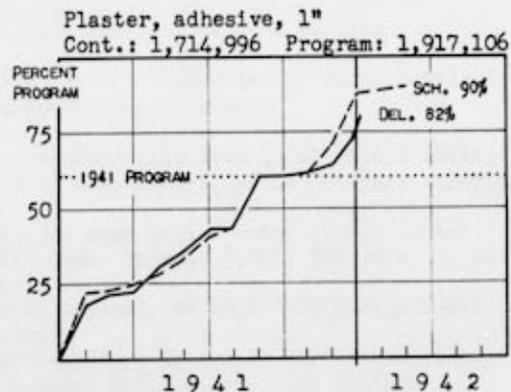
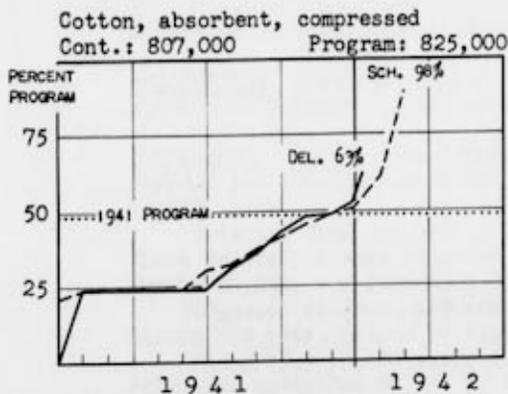
Includes both F.Y. 1941 & 1942 programs.



MEDICAL DEPARTMENT - DELIVERY STATUS - SIX SELECTED ITEMS - JANUARY 8, 1942

Source of Information: Medical Department Procurement Progress Reports

Includes both F.Y. 1941 & 1942 programs.



TEXT SUMMARY - CHEMICAL WARFARE SERVICE - STATUS JANUARY 16, 1942

Source of Information: Chemical Warfare Service Progress Reports

PRODUCTION: Chemical Warfare Service reports deliveries on seven Critical and eleven Essential Items on the Expenditure Program.

GAS MASKS: Service Mask assemblies reported this week total 28,656 units. Johnson and Johnson assembled 17,496 of this number, while Goodyear reported 11,160 units.

Training Mask assemblies during the same period total 70,674 units. These deliveries were reported as follows: Sprague 9,860; Edgewood 13,690; Eureka 20,254, and Firestone 26,870.

Edgewood Arsenal also reported an assembly of 19,810 Diaphragm Masks during the week covered by this report.

There were 65,686 extra Service Canisters delivered during the week. Firestone assembled 34,086 of this number, while Johnson and Johnson assembled the remainder.

CHEMICAL AGENTS: The Mustard Gas production for the week totals 145 tons. There were also 24,796 CN Training Capsules, 94 tons C.N.S. (Tear) Gas, and 15,322 Smoke Pots during the week.

PROTECTIVE AGENTS: Deliveries of 42.8 tons of Demustardizing Bleach; 118,960 eight-ounce tubes of Shoe Impregnite; 3.4 tons of Impregnite "I", and 294 tons of Impregnite "I" Solvents were reported during the week.

A delivery of 56,946 tubes of Protective Ointment by Wallace Tierman completes all 1941 contracts on this item.

INCENDIARY BOMBS: There were 73,100 four-pound Incendiary Bombs assembled during the week of this report. The Incendiary Bomb program is definitely retarded due to the inability to obtain bar stock. Repeated efforts have been made to obtain this steel. Due to the A-1-c priority of the Incendiary Bomb program, these efforts have failed. Unless definite action is taken, so that this steel is made available, the bomb program will be seriously delayed. The scarcity of machines and machine tools is also impeding the program.

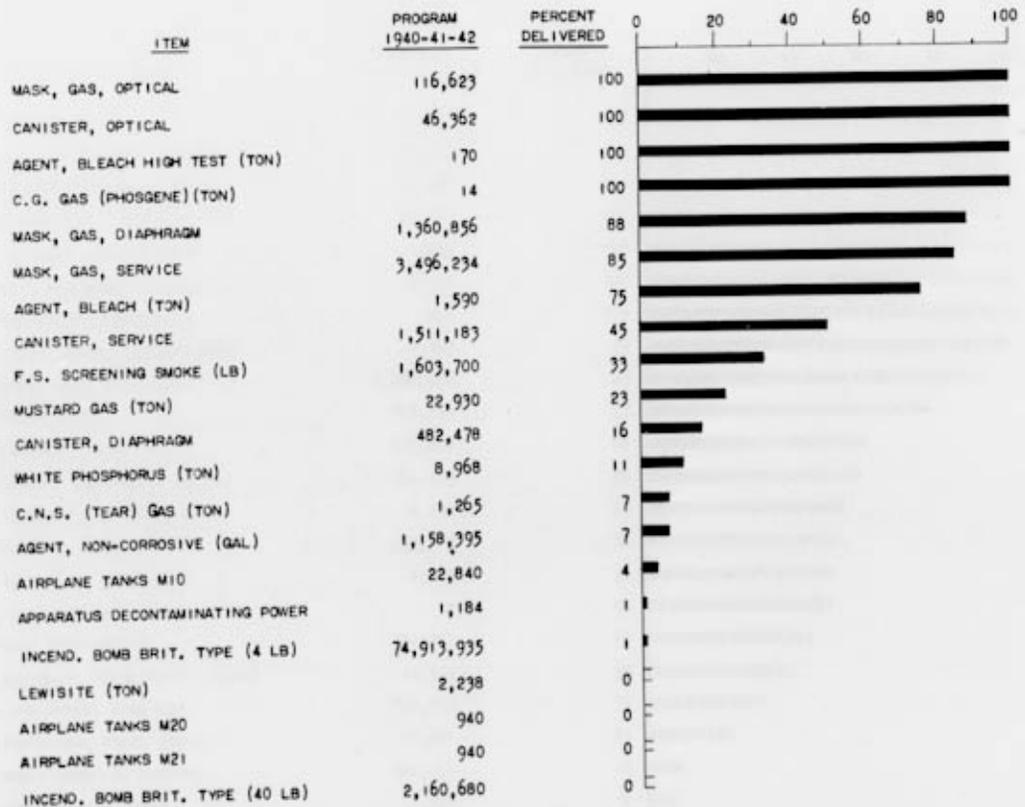
The uncertainty of the amount of magnesium to be allocated monthly to Chemical Warfare Service for Incendiary Bombs prohibits practical planning in industry. Manufacturers do not wish to gamble on the present indefinite delivery status.

VARIOUS DELIVERIES: There were 40,266 Land Mines; 1,750 Dust Respirators; 19,796 Gas Proof Curtains, and 10 Openers, Unit Container (Pedestal Type) delivered during the week of this report.

PROCUREMENT PROGRESS - CHEMICAL WARFARE SERVICE - CRITICAL ITEMS

Source of Information: Chemical Warfare Service

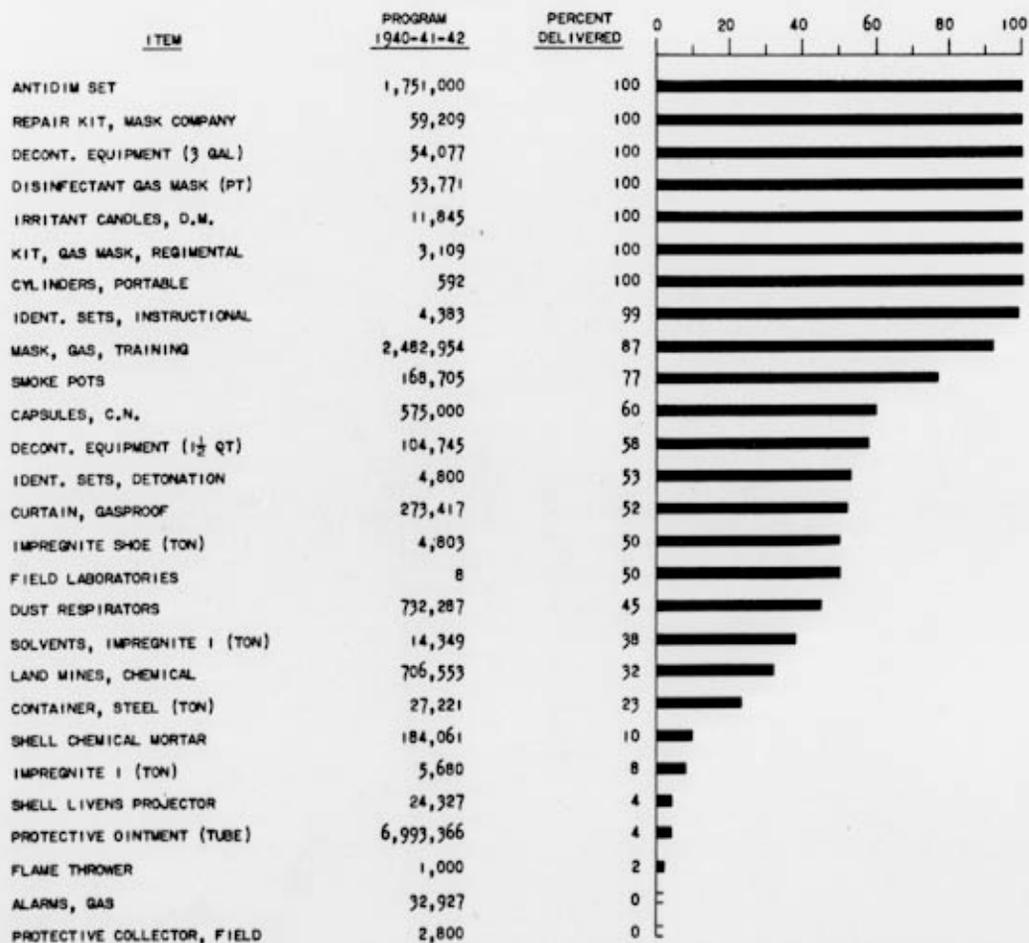
January 16, 1942



PROCUREMENT PROGRESS - CHEMICAL WARFARE SERVICE - SELECTED ESSENTIAL ITEMS

Source of Information: Chemical Warfare Service

January 16, 1942



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WEEKLY STATISTICAL REPORT

No. 31

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SUMMARY

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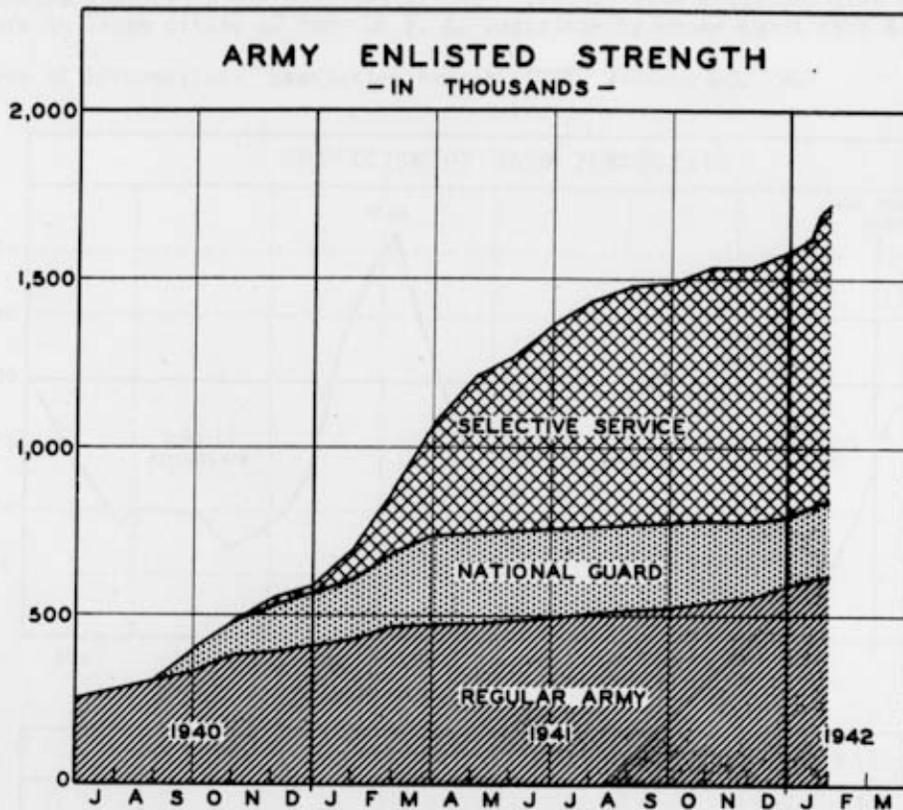
Signature- *Carl L. Spicer*

STATISTICS BRANCH
OFFICE OF THE UNDER SECRETARY OF WAR
WAR DEPARTMENT

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WEEKLY STATISTICAL SUMMARY
 REPORT NO. 31
JANUARY 31, 1942

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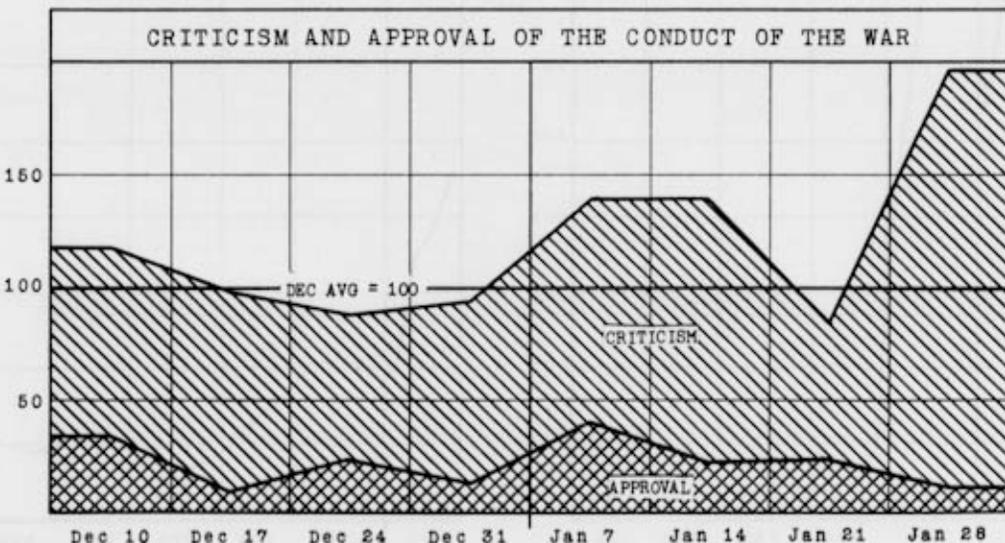
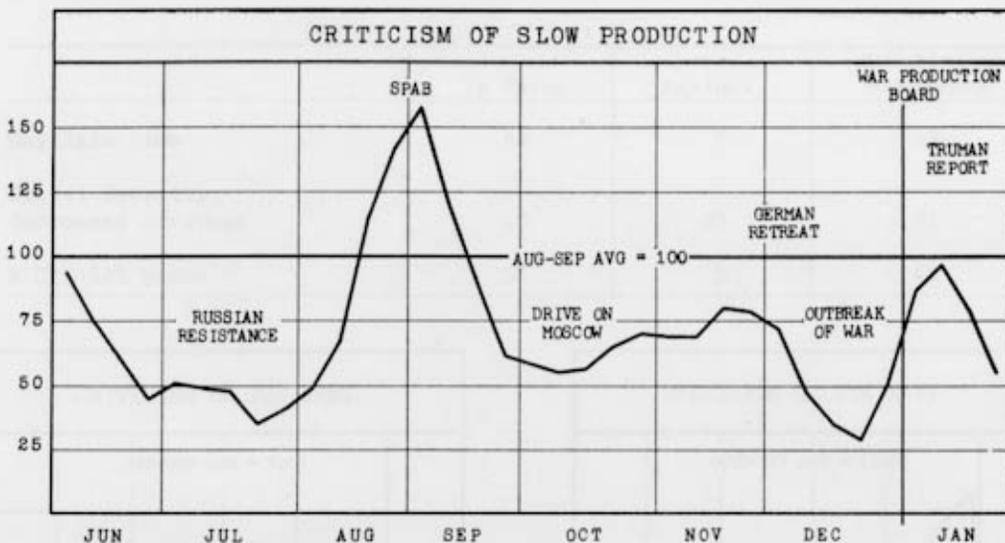
Army strength is the basis for computing requirements for many articles to be procured. The data from July, 1940 to January 27, 1942 are shown in the diagram and table. They refer to enlisted strength at the end of each month, with the exception of the two final estimated figures.

1940	Total	1941	Total	1941	Total	1942	Total
Jul	268,941	Jan	693,578	Jul	1,429,188	Jan 27	1,729,000
Aug	302,968	Feb	873,667	Aug	1,481,197		
Sep	407,613	Mar	1,068,030	Sep	1,484,024		
Oct	483,218	Apr	1,205,873	Oct	1,526,000		
Nov	540,695	May	1,265,211	Nov	1,528,500		
Dec	573,520	Jun	1,362,760	Dec	1,579,500		

Source of Information: Statistics Branch, General Staff, January 29, 1942

EDITORIAL COMMENT ON OUR MILITARY EFFORT - Tallied from a uniform list of newspapers in large cities of the 12 F. R. Districts by weeks ended each Wednesday

Source of Information: Statistics Branch, OUSW, January 28, 1942

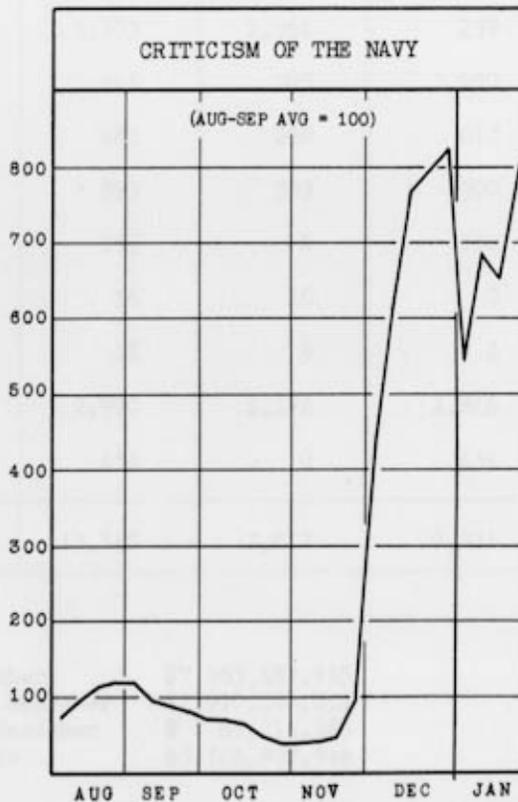
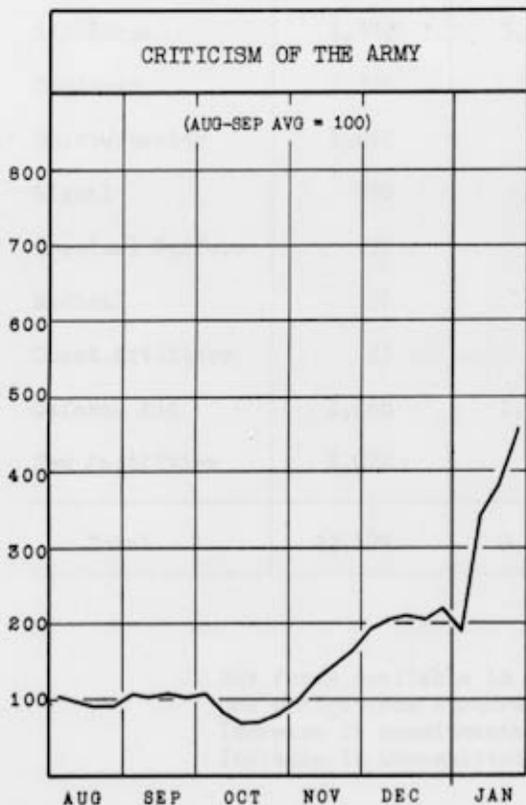


EDITORIAL COMMENT ON OUR MILITARY EFFORT - Tallied from a uniform list of newspapers in large cities of the 12 F. R. Districts by weeks ended each Wednesday

Source of Information: Statistics Branch, OUSW, January 28, 1942

PERCENT OF OPINIONS EXPRESSED

	In favor	Against	No opinion expressed
Daylight time	58	5	37
Social Security increased coverage	16	63	21
A CIO-AFL peace	53	5	42



PROCUREMENT APPROPRIATIONS - DECEMBER, 1941

Source: Administrative Branch, O.U.S.W.

The status of procurement appropriations from July 1 through December 31 for the Arms and Services, Defense Aid, and new facilities is shown below, in millions of dollars:

	FUNDS AVAILABLE	FUNDS OBLIGATED	BALANCE UNOBLIGATED	BALANCE COMMITTED	BALANCE UNCOMMITTED
Ordnance	7,092	2,017	5,075	438	4,637
Air Corps	4,394	3,091	1,303	1,064	239
Engineer	2,376	781	1,595	505	1,090
Quartermaster	1,662	781	881	268	613
Signal	896	203	693	393	300
Chemical Warfare	230	80	150	0	150
Medical	36	20	16	16	0
Coast Artillery	23	12	11	9	2
Defense Aid	4,468	1,498	2,970	1,124	1,846
New Facilities	1,022	568	454	0	454
Total	22,199	9,051	13,148	3,817	9,331

New funds available in December	\$7,263,483,955
New obligations incurred in December	\$1,610,461,054
Increase in commitments in December	\$ 87,215,385
Increase in uncommitted funds	\$5,565,807,516

DEFENSE AID - SHIPPING DATA - ORDNANCE - DECEMBER 31, 1941

Source of Information: Ordnance Department

All stocks available for shipment as of November 30 were frozen on December 8. Since that time only limited quantities have been released. The tabulation below contains decreases in quantities awaiting shipment due to U.S. repossession as well as more normal changes due to shipment abroad.

Item	As Of November 30		As Of December 31	
	Shipped	On Hand Awaiting Shipment	Shipped	On Hand Awaiting Shipment
<u>Artillery</u>				
Gun, 20 mm, A.C.	24	126	24	36
Gun, 37 mm, A.T.	30	391	60	6
Gun, 75 mm, tank	66	170	215	316
Gun, 90 mm, A.A.	0	4	4	0
Howitzer, 75 mm, field	28	49	77	12
Mortar, 81 mm	0	4	34	0
<u>Automotive</u>				
Tank, light, M3	869	107	981	355
Tank, medium, M3	66	170	215	316
<u>Small Arms</u>				
Rifle, cal. 30, M1	15,000	15,000	15,000	0
Rifle, cal. 30, M1903	0	45,000	0	20,000
M.G., cal. 30, M1919A4	6,581	1,361	8,654	3,039
Mount, tripod, M2	477	2,322	1,243	1,026
M.G., cal. 30, A.C.	689	3,374	717	0
M.G., cal. 50, A.C.	2,712	170	3,102	0
M.G., cal. 50, H.B.	2	0	2	0
Submachine gun, cal. 45	113,551	93,918	122,061	1,987
Pistol, cal. 45	1,041	2,671	1,091	0
<u>Misc. Fire Control</u>				
Circle, aiming	68	460	68	0
Finder, height	1	13	7	0
Finder, range	17	5	17	0
Instrument, observation	11	13	13	0
Post, aiming	528	60	682	0
Telescope, B.C.	23	234	23	0

DEFENSE AID - SHIPPING DATA - DECEMBER 31, 1941

Source of Information: Office, Quartermaster General

QUARTERMASTER MOTOR VEHICLES

Item	Quantity Shipped	Quantity on Hand Awaiting Shipment Shipping Instructions Not Issued
Car, 5 passenger	800	0
Motorcycle	1,692	0
Trailer, house	3	0
Trailer, 40 ton, tank	239	0
Truck, $\frac{1}{2}$ ton, carryall	193	183
Truck, $\frac{1}{2}$ ton, command recon.	379	402
Truck, $\frac{1}{2}$ ton, weapon carrier	500	0
Truck, $1\frac{1}{2}$ ton, cargo	2,920	0
Truck, $1\frac{1}{2}$ ton, cargo, w/winch	2,206	234
Truck, $1\frac{1}{2}$ ton, dump, w/winch	350	2
Truck, $1\frac{1}{2}$ ton, special	50	0
Truck, $2\frac{1}{2}$ ton, cargo	3,963	1,408
Truck, $2\frac{1}{2}$ ton, cargo w/winch	1,482	0
Truck, $2\frac{1}{2}$ ton, tank	50	0
Truck, 4 ton, cargo	60	0
Truck, 4 ton, wrecker	44	24
Truck, 5-6 ton, tractor	40	142
Truck, 5-6 ton, timber	32	0
Truck, 6 ton, prime mover	0	200
Truck, 6 ton, tank	50	0
Truck, 10 ton, carrier	46	0
Truck, 13 ton, tank	92	200
Truck, 40 ton, tank	425	0

TEXT SUMMARY - ORDNANCE DEPARTMENT - JANUARY 31, 1942

Source of Information: Ordnance Department, General Staff and OUSW

TIME OBJECTIVES AND NEW PRODUCTIVE CAPACITY

The 1942 time objectives for the more significant items of equipment and ammunition are compared on the two following pages with the quantities of these items scheduled for delivery this year in reports as of December 31, 1941. Those schedules for equipment and ammunition generally represent computations based on the plant production capacity available at the year end.

The comparison reveals very large shortages in the schedules estimated for many items, below the time objectives. It will not be possible to create the new productive capacity required until the latter half of 1942, except in rare instances. Consequently, the additional monthly productive capacity necessary to meet this year's objectives is further increased.

The 1942 time objective represents the quantity of each item financed and not delivered at the close of 1941, plus 30% of the quantity financed in the Fourth Supplemental Appropriation Act. Exceptions to this general method of computing the objectives are: quantities of ten equipment items established by the President and amended with his approval; and aircraft armament, ammunition and bombs.

Official time objectives for aircraft armament, ammunition and bombs have not yet been determined. Quantities will be computed when the models of airplanes are estimated and the schedules of production have been forecast for the 45,000 combat planes ordered under the President's directive.

AMMUNITION PRODUCTION

The effect of the very large construction program of new ammunition loading and explosives plants is shown in the diagram on page 15. Acceptances of new rounds of ammunition of 75mm and larger calibers exceeded 550,000 rounds in November and 1,300,000 rounds in December, after averaging only about 50,000 rounds in preceding months of 1941.

Factors causing the sharp increase in December acceptances over those in November included larger deliveries of TNT, additional shell loading plant capacity and a sharp speeding up of ballistic tests and proof-firing at the proving grounds.

Acceptances of TNT reported by the Ordnance Department during the first three weeks of January indicate that the scheduled total of 23,000,000 pounds for the month should be fulfilled. This amount compares with acceptances of nearly 8,000,000 pounds in November and over 16,000,000 pounds in December, 1941, and with scheduled quantities of 45,000,000 pounds for June and 79,000,000 pounds for December, 1942.

TIME OBJECTIVES - SHORTAGES OF EQUIPMENT SCHEDULES - JANUARY, 1942

Source of Information: Industrial Service, Ordnance Department and General Staff

Time objectives for aircraft armament have not yet been determined. Quantities will be computed when models of airplanes to be made and schedules of production have been decided upon for the 45,000 combat planes ordered under Presidential directive.

Item	1942 Time Objective	Scheduled for 1942 as of Dec 31, 1941	Shortage of Schedule Below 1942 Objective
<u>Combat Vehicles</u>			
Tank, light	19,500	3,000	16,500
Tank, medium	25,000	25,000	No shortage
Tank, heavy	500	58	442
<u>Tank Armament</u>			
Gun, 37mm	23,000	11,100	11,900
Gun, 75mm	25,000	7,600	17,400
Gun, 3"	500	0	500
<u>Antiaircraft</u>			
Gun, 90mm	5,400	1,200	4,200
Gun, 40mm	13,000	1,600	11,400
Gun, 37mm	1,600	1,000	600
Machine gun, cal.50 (W.C.)	42,400	22,700	19,700
<u>Antitank</u>			
Gun, 37mm	17,000	7,000	10,000
Gun, 3" or 57mm	3,700	0	3,700
<u>Artillery</u>			
Howitzer, 75mm, field & pack	891	242	649
Howitzer, 105mm	3,800	3,000	800
Howitzer, 155mm, M1	836	0	836
Gun, 155mm, M1	453	452	1
<u>Modernization - H.S.</u>			
Gun, 75mm	355	2	353
Howitzer, 155mm	218	218	No shortage
Gun, 155mm	508	508	No shortage
<u>Infantry Armament</u>			
Rifle, cal.30, M1	1,026,100	429,800	596,300
Carbine, cal.30, M1	886,700	215,100	671,600
Machine gun, cal.30 (Var.)	275,000	86,400	188,600
Machine gun, cal.50 (H.B.)	80,500	28,000	52,500

TIME OBJECTIVES - SHORTAGES OF AMMUNITION SCHEDULES - JANUARY, 1942

Source of Information: Industrial Service, Ordnance Department and General Staff

Time objectives for aircraft ammunition have not yet been determined. Quantities will be computed when models of airplanes to be made and schedules of production have been decided upon for the 45,000 combat planes ordered under Presidential directive.

Item	1942 Time Objective	Scheduled for 1942 as of Dec 31, 1941	Shortage of Schedule Below 1942 Objective
<u>Infantry, Tank and Antitank</u>			
AP, M51, or SAP, M74, 37mm	47,388,000	35,141,000	12,247,000
HE, M63, 37mm	23,546,000	24,900,000	No shortage
Canister, M2, 37mm	3,478,000	2,400,000	1,078,000
HE, M49A2, 60mm	11,002,000	7,305,000	3,697,000
HE, M43A1, 81mm	4,736,000	2,396,000	2,340,000
HE, M56, 81mm	1,430,000	1,150,000	280,000
<u>Antiaircraft</u>			
HE, M54, 37mm	16,733,000	10,293,000	6,440,000
AP, M59, 37mm	2,021,000	1,250,000	771,000
HE, M42, 3"	1,668,000	1,880,000	No shortage
HE, M71, 90mm	6,459,000	6,202,000	257,000
AP, M-, and SAP, M77, 90mm	360,000	292,000	68,000
HE, M-, 40mm	30,397,000	5,445,000	24,952,000
AP, M-, 40mm	2,673,000	300,000	2,373,000
<u>Artillery Ammunition</u>			
HE, M48, SC, 75mm	3,349,000	2,207,000	1,142,000
HE, M48, NC, 75mm	7,356,000	8,710,000	No shortage
HE, M48, RC, 75mm	870,000	870,000	No shortage
AP, M61, or SAP, M72, 75mm	16,021,000	9,330,000	6,691,000
HE, M42, 3", T & AT	2,731,000	900,000	1,831,000
AP, M62, and SAP, M79, 3", T & AT	7,920,000	1,415,000	6,505,000
HE, M48, 75mm how.	8,140,000	8,398,000	No shortage
HE, M1, 105mm how.	23,711,000	11,412,000	12,299,000
HE, M107, 155mm how.	2,600,000	2,050,000	550,000
HE, M102, MkIAL, 155mm how.	4,168,000	4,015,000	153,000
HE, M65, 4.5"	1,282,000	450,000	832,000
HE, M101, 155mm	1,296,000	948,000	348,000
SAP, M-, and AP, M112, 155mm	258,000	89,000	169,000

1942 TIME OBJECTIVES - AMMUNITION - PROGRESS - JANUARY 1, 1942

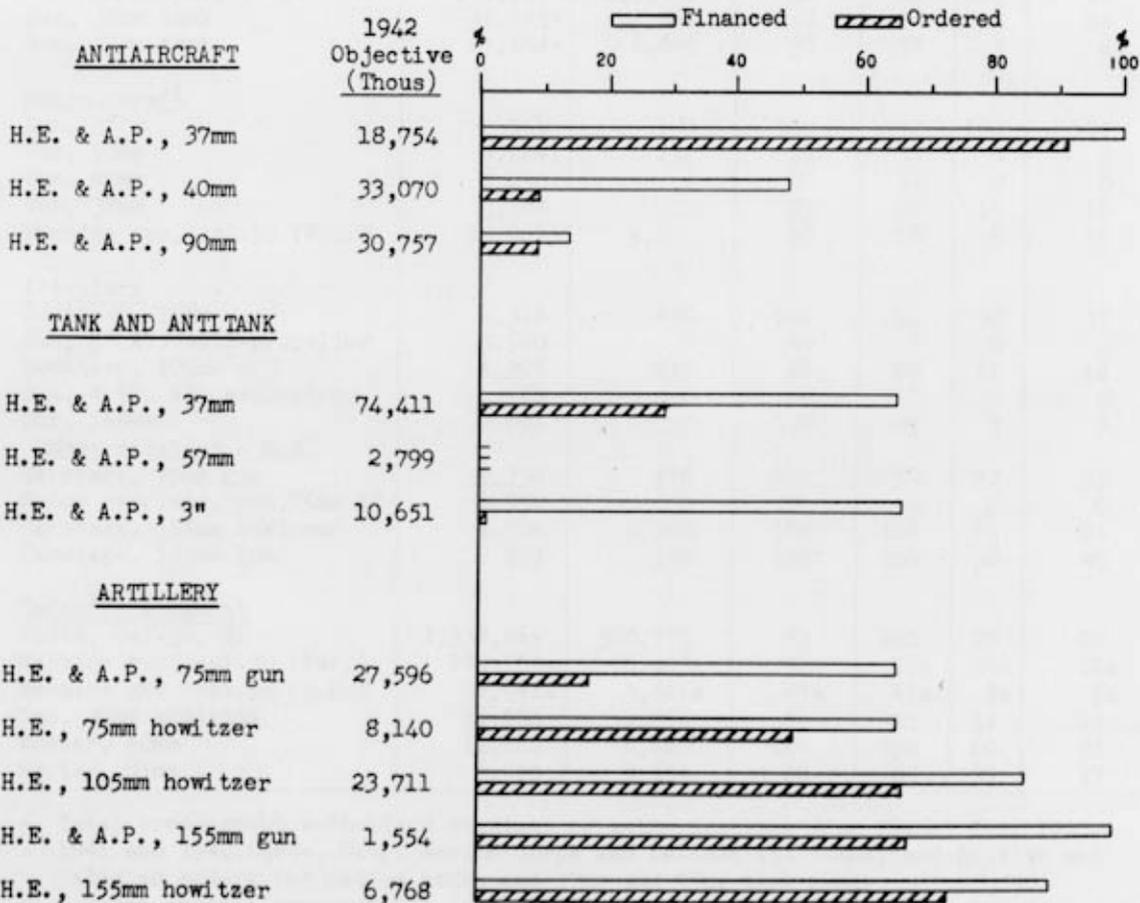
Source of Information: Industrial Service, Ordnance Department and General Staff

Additional funds will be needed to finance nearly all types of ammunition to meet 1942 objectives.

Recommendation for the standardization of Shot, A.P., M70 for 57mm tank and antitank guns has been made recently.

Computation of the objectives for aircraft ammunition and bombs is still awaiting official information as to the models of planes and the estimated delivery schedules which are to provide the 45,000 combat planes ordered by the President. The Fourth Supplemental National Defense Appropriation provides funds for substantial quantities of aircraft ammunition and bombs.

AMMUNITION



EQUIPMENT PROCUREMENT - SUMMARY - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department

Item	Total procurement authorized*	Acceptances thru Dec 31	Percent of total authorization			
			Con-tracted	Sched-uled	Due	Accepted
<u>Aircraft Armament</u>						
Machine gun, cal.30	92,732	15,350	98	98	17	17
Machine gun, cal.50	222,219	44,292	94	94	20	20
Gun, 20mm automatic	79,663	1,184	60	60	1	1.5
Gun, 37mm automatic	5,907	390	49	49	4	7
<u>Combat Vehicles</u>						
Tank, light	11,520	2,551	48	48	24	22
Tank, medium	27,665*	1,373	41	41	5	5
Tank, heavy	600	0	17	17	0	0
Scout car	9,245	2,733	37	37	30	30
Personnel carrier, M2	6,691	3,565	87	87	53	53
Personnel carrier, M3	6,158	1,859	90	90	29	30
Submachine gun, cal.45	852,259	217,420	40	40	27	26
Gun, 37mm tank	32,733*	4,580	48	48	16	14
Gun, 75mm tank	27,164*	1,045	36	32	3	4
<u>Antiaircraft</u>						
Gun, 3"	152	152	100	100	100	100
Gun, 90mm	4,284	132	53	37	3	3
Gun, 40mm	8,236	0	51	51	0	0
Gun, 37mm	3,364	522	95	95	15	16
Machine gun, cal.50 (W.C.)	39,067	3,771	68	68	9	10
<u>Artillery</u>						
Howitzer, 75mm	1,318	435	100	51	30	33
Gun, 3" AT, self-propelled	3,580	0	44	0	0	0
Howitzer, 105mm	4,395	549	98	89	11	12
Gun, 4.5", AT, self-prop.	500	0	100	0	0	0
Gun, 155mm	492	39	100	99	8	8
<u>Modernization - H.S.</u>						
Carriage, 75mm gun	1,330	975	100	73	72	73
Motor carriage, gun, 75mm AT	1,350	0	100	0	0	0
Carriage, 155mm howitzer	1,584	1,366	100	100	85	86
Carriage, 155mm gun	853	345	100	100	38	40
<u>Infantry Armament</u>						
Rifle, cal.30, M1	1,332,069	380,775	93	100	28	29
Machine gun, cal.30 (Var.)	289,169a	58,345a	56a	56a	24a	20a
Machine gun, cal.50 (H.B.)	67,041a	3,421a	47a	47a	9a	5a
Gun, 37mm antitank	18,603	2,358	53	53	12	13
Mortar, 60mm	11,162	6,820	100	100	60	61
Mortar, 81mm	6,924	2,534	68	65	39	37

* Total procurement authorized consists of authorizations from Fiscal Year 1940, 1941 and 1942 funds, Navy, Marine Corps and Defense Aid funds, and British and Canadian orders for medium tanks and 37mm and 75mm tank guns.

a Figures include armament for combat vehicles.

EQUIPMENT - STOCKS AND INITIAL REQUIREMENTS - JANUARY 23, 1942 (DATA EXCLUDE DEFENSE AID)

Source of Information: General Staff

Item	Initial requirements 1,850,000 men	Stocks in depots and with troops	Percent of requirements					
			%	0	20	40	60	80
<u>Aircraft Armament</u>								
Machine gun, cal.30, fix.&fl.	32,688	19,210	59					
Machine gun, cal.50, fix.&fl.	61,539	29,751	48					
Gun, 20mm automatic	1,815	1,307	72					
Gun, 37mm automatic	2,155	203	9					
<u>Combat Vehicles</u>								
Tank, light	1,699	1,060 b	62					
Tank, medium	1,788	760 c	43					
Scout car	1,261	2,417 d	192					
Personnel carrier, M2	3,467	3,619	104					
Personnel carrier, M3	3,311	1,791	54					
Machine gun, cal.30 (Var.)	32,626 a	a	-					
Machine gun, cal.50 (H.B.)	5,491 a	a	-					
Submachine gun, cal.45	41,859	24,617	59					
Gun, 37mm tank	6,235	1,296	21					
Gun, 75mm tank	1,762	405	23					
<u>Antiaircraft</u>								
Gun, 3" }	1,237	562 }	60					
Gun, 90mm }		177 }						
Gun, 37mm	2,315	524	23					
Machine gun, cal.50 (W.C.)	18,611	1,456	8					
<u>Artillery</u>								
Gun, 75mm (H.S.)	-	1,011	-					
Howitzer, 75mm, field & pack	249	399	160					
Howitzer, 105mm	2,061	620	30					
Gun, 155mm	95	17	18					
Gun, 155mm (H.S.)	587	198	34					
Howitzer, 155mm (H.S.)	631	1,301	206					
<u>Unmodified & other models</u>								
Gun, 75mm	-	2,307	-					
Gun, 155mm	-	767	-					
Howitzer, 155mm	-	471	-					
<u>Infantry Armament</u>								
Rifle, cal.30, M1, semiauto.	797,085	369,380	46					
Machine gun, cal.30 (Var.)	53,555	55,448	104					
Machine gun, cal.50 (H.B.)	16,964	4,208	25					
Gun, 37mm antitank	6,276	2,538	40					
Mortar, 60mm	4,579	6,604	144					
Mortar, 81mm	2,035	2,508	123					

a Included in Infantry Armament.

Stocks exclude substandard models formerly included (b) 757, (c) 112, (d) 99.

EQUIPMENT - STOCKS AND TOTAL REQUIREMENTS - JANUARY 23, 1942 (DATA EXCLUDE DEFENSE AID)

Source of Information: General Staff

Item	Total requirements 3,635,000 men	Stocks in depots and with troops	%	Percent of requirements					
				0	20	40	60	80	100
<u>Aircraft Armament</u>									
Machine gun, cal.30, fix.&fl.	44,260	19,210	43						
Machine gun, cal.50, fix.&fl.	131,837	29,751	23						
Gun, 20mm automatic	3,721	1,307	35						
Gun, 37mm automatic	2,896	203	7						
<u>Combat Vehicles</u>									
Tank, light	4,341	1,060 b	24						
Tank, medium	5,902	760 c	13						
Scout car	2,709	2,417 d	89						
Personnel carrier, M2	10,497	3,619	34						
Personnel carrier, M3	8,208	1,791	22						
Machine gun, cal.30 (Var.)	125,849 a	a	-						
Machine gun, cal.50 (H.B.)	14,712 a	a	-						
Submachine gun, cal.45	155,279	24,617	16						
Gun, 37mm tank	30,392	1,296	4						
Gun, 75mm tank	5,872	405	7						
<u>Antiaircraft</u>									
Gun, 3" }	2,095	562 }	35						
Gun, 90mm }		177 }							
Gun, 37mm	6,849	524	8						
Machine gun, cal.50 (W.C.)	32,983	1,456	4						
<u>Artillery</u>									
Gun, 75mm (H.S.)	-	1,011	-						
Howitzer, 75mm, field & pack	352	399	113						
Howitzer, 105mm	3,211	620	19						
Gun, 155mm	283	17	6						
Gun, 155mm (H.S.)	969	198	20						
Howitzer, 155mm (H.S.)	1,043	1,301	125						
<u>Unmodified & other models</u>									
Gun, 75mm	-	2,307	-						
Gun, 155mm	-	767	-						
Howitzer, 155mm	-	471	-						
<u>Infantry Armament</u>									
Rifle, cal.30, M1, semiauto.	1,524,735	369,380	24						
Machine gun, cal.30 (Var.)	176,047	55,448	31						
Machine gun, cal.50 (H.B.)	47,870	4,208	9						
Gun, 37mm antitank	12,681	2,538	20						
Mortar, 60mm	8,227	6,604	80						
Mortar, 81mm	4,105	2,508	61						

a Included in Infantry Armament.

Stocks exclude substandard models formerly included (b) 757, (c) 112, (d) 99.

AMMUNITION PROCUREMENT - SUMMARY - DECEMBER 31, 1941

Source of Information: Industrial Service, Ordnance Department

Item	Total procurement authorized (THOUSANDS)	Acceptances thru Dec 31 (THOUSANDS)	Percent of total authorization		
			Scheduled thru Dec '42	Due	Accepted
<u>Aircraft & Pyrotechnics</u>					
Bomb, frag., 20#	2,047	494	91	24	24
Bomb, demo., 100#, 300#, 500#	1,698	225	100	13	13
Bomb, demo., 1000#	524	5	71	-	1
Bomb, chem., 30#, 100#	603	220	100	36	36
Cartridge, 20mm	131,690	6,529	99	5	5
Shell, H.E., 37mm	2,098	704	100	31	34
Flares	902	239	100	31	26
Signals	2,946	1,196	100	40	41
<u>Antiaircraft</u>					
Shell, 37mm, H.E.	18,094	1,007	62	4	6
Shell, 40mm, H.E.	14,588	0	37	1	0
Shell, 3", H.E.	2,227	472	100	19	21
Shell, 90mm, H.E.	4,395	198	100	-	5
Shell, 105mm, H.E.	12	0	100	0	0
Shell, 4.7", H.E.	200	0	15	0	0
<u>Artillery</u>					
Shell, H.E., s c, 75mm gun	2,356	626	100	22	27
Shell, g & s, 75mm gun	1,150	102	100	5	9
Shot, A.P., 75mm gun	12,796	0	73	0	0
Shell, H.E., 75mm how.	5,575	273	100	5	5
Shell, H.E., 105mm how.	20,497	353	57	1	2
Shell, H.E., 155mm gun	1,378	2	75	-	-
Charge, prop., 155mm gun	2,092	232	91	12	11
Shell, H.E., 155mm how.	6,230	190	100	3	3
Shell, g & s, 155mm how.	1,634	-	56	1	-
Charge, prop., 155mm how.	8,945	973	100	10	11
Primer, 21 gr.	15,068	299	66	2	2
Fuzes (all)	16,016	3,254	83	20	20
<u>Infantry</u>					
Cartridge, cal.30	8,831,945	821,205	70	9	9
Links, met. belt, cal.30	1,032,222	167,838	63	18	16
Cartridge, cal.45	2,381,889	282,510	29	12	12
Cartridge, cal.50	2,657,358	92,109	56	4	3
Links, met. belt, cal.50	3,129,155	162,020	62	5	5
Shot & shell, 37mm	46,487	768	100	2	2
Shell, H.E., 60mm	11,310	395	68	2	3
Shell, H.E., 81mm	5,808	279	66	3	5
Shell, smoke, 81mm	470	0	89	0	0
Grenade, H.E., frag.	8,749	980	63	11	11
Signals, ground & light	6,948	1,354	100	21	19
Mine, antitank	3,146	0	100	0	0

* Unfilled.
 / Unfused.

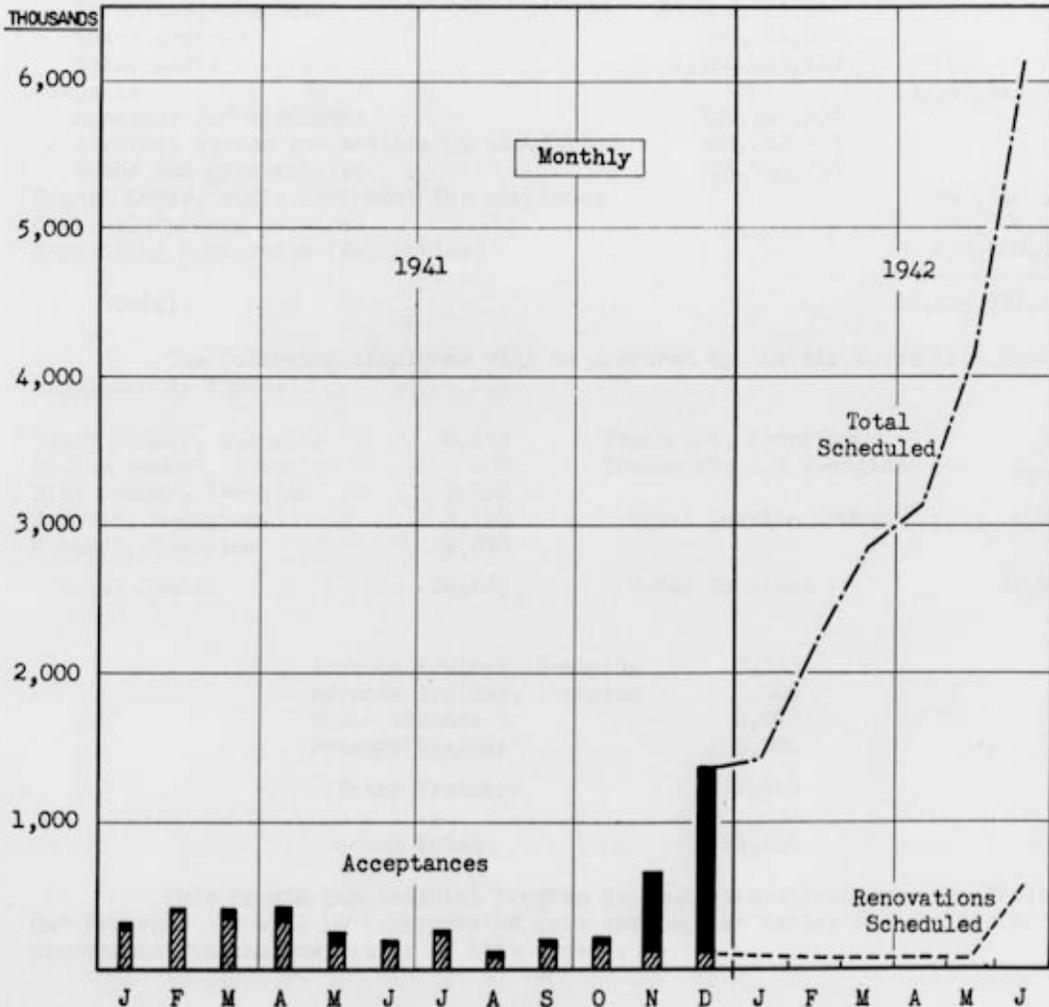
AMMUNITION - 75MM THRU 16 INCH - RENOVATED AND NEW ROUNDS - DECEMBER 31, 1941

Source of Information: Ammunition Division and Field Service, Ordnance Department

Acceptances and acceptance schedules of new rounds have increased sharply since the entrance of the United States into the war. Actual December acceptances exceeded 1,300,000 rounds against the approximately 700,000 rounds scheduled. The acceptances scheduled for June, 1942 have been revised upward to 6,100,000 rounds from 4,800,000 rounds. Almost 7,500,000 complete rounds were on hand December 31, 1941; no allowance for expenditure in the Philippines was made in this figure.

Acceptances

■ New
 ▨ Renovated



TEXT SUMMARY - AIRCRAFT PROCUREMENT

Source of Information: Materiel Division - Air Corps
Hearings, House of Representatives

FOURTH SUPPLEMENTAL APPROPRIATION

The Fourth Supplemental National Defense Appropriation Act 1942 (Supplemental "C") was signed by the President on January 30, 1942. The program, totaling \$12,525,872,474, is made up as follows:

Air Corps		\$9,041,373,090
Airplanes, complete	\$7,144,056,340	
Spare engines	390,421,240	
Spare parts	1,506,895,510	
Ordnance		1,547,948,529
Armament for airplanes	247,740,800	
Aircraft cannon and small-arms ammunition	383,462,973	
Bombs and pyrotechnics	916,744,756	
Signal Corps, radio equipment for airplanes		680,242,180
Chemical Warfare Service		323,308,675
Expediting production (facilities)		933,000,000
Total		12,525,872,474

The following airplanes will be procured by the Air Corps with Fourth Supplemental Funds:

Heavy bomber, 4-engine	9,413	Transport, 4-engine	180
Medium bomber, 2-engine	600	Transport, 1 & 2-engine	2,100
Dive bomber, 1-engine	3,400		
Pursuit, 2-engine	2,160	Total Service Combat	2,280
Pursuit, 1-engine	9,050		
Total Combat	24,623	Total Tactical	26,903

Advance trainer, 2-engine	3,713
Advance trainer, 1-engine	1,600
Basic trainer	2,000
Primary trainer	5,200
Total Trainers	12,513
Grand Total	39,416

This Fourth Supplemental Program is usually designated as the "Follow-On" Program. It will be incorporated into our regular tables on Army Air Corps procurement in the next issue of this report.

TABULAR SUMMARY - ARMY AIR CORPS CURRENT PROCUREMENT - JANUARY 23, 1942

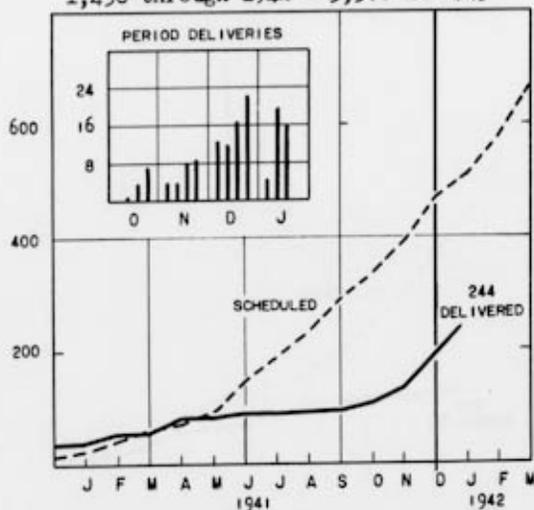
Source of Information: Consolidated Statistical Report - Air Corps

Item	Army program			Under contract		Delivered 1-23-42 (b)	Not contracted		
	F.Y. 1941 & prior (a)	F.Y. 1942	Total	Num- ber	% of pro- gram		F.Y. 1941	F.Y. 1942	
<u>Project airplanes</u>									
Heavy bomber	2,246	3,180	5,426	4,826	89	244		600	
Medium bomber	4,615	-	4,615	4,615	100	487		-	
Light bomber	1,882	168	2,050	1,900	93	250		150	
Pursuit fighter	23	150	173	173	100	10		-	
Pur. inter., 2-eng.	686	1,000	1,686	1,686	100	283	contracted	-	
Pur. inter., 1-eng.	4,394	4,700	9,094	8,994	99	2,152		100	
Observation	533	80	613	613	100	519		-	
Transport	1,118	243	1,361	1,361	100	140		-	
Amphibian	74	5	79	76	96	2		3	
Reconnaissance	17	-	17	17	100	14		-	
Total Tactical	15,588	9,526	25,114	24,261	97	4,101			853
<u>Trainer</u>									
Primary trainer	5,490	450	5,940	5,940	100	3,818		All	-
Basic trainer	5,051	1,100	6,151	6,151	100	2,547			-
Adv. trainer, 1-eng.	3,267	360	3,627	3,627	100	1,242	-		
Adv. trainer, 2-eng.	2,632	1,150	3,782	3,682	97	364	100		
Total Trainer	16,440	3,060	19,500	19,400	99	7,971			100
Grand Total	32,028	12,586	44,614	43,661	98	12,072		953	
<u>Installation engines</u>									
Heavy bomber	8,984	12,720	21,704	20,104	93	3,182	-	1,600	
Medium bomber	9,230	-	9,230	9,650(c)	105	2,148	-	-	
Light bomber	3,576	168	3,744	3,744	100	1,469	-	-	
Pursuit fighter	46	300	346	346	100	20	-	-	
Pur. inter., 2-eng.	1,372	2,000	3,372	3,372	100	1,372	-	-	
Pur. inter., 1-eng.	4,394	4,700	9,094	8,994	99	2,387	-	100	
Observation	533	80	613	613	100	613	-	-	
Transport	2,358	486	2,844	2,784	98	847	34	26	
Amphibian	148	6	154	151	97	127	-	3	
Reconnaissance	34	-	34	34	100	34	-	-	
Total Tactical	30,675	20,460	51,135	49,792	97	12,199	34	1,729	
<u>Trainer</u>									
Primary trainer	5,490	450	5,940	5,940	100	4,202	-	-	
Basic trainer	5,051	1,100	6,151	6,151	100	3,030	-	-	
Adv. trainer, 1-eng.	3,267	360	3,627	3,627	100	2,267	-	-	
Adv. trainer, 2-eng.	5,264	2,300	7,564	6,381	84	2,722	80	1,103	
Total Trainer	19,072	4,210	23,282	22,099	95	12,221	80	1,103	
Grand Total	49,747	24,670	74,417	71,891(c)	97	24,420	114	2,832	

- (a) Includes project airplane contracts incomplete June 30, 1940 with their matching installation engine contracts.
- (b) Engine deliveries reflect new production, assignments from stock pools, and transfers between installation and spare categories.
- (c) Amount under contract exceeds installation requirement.

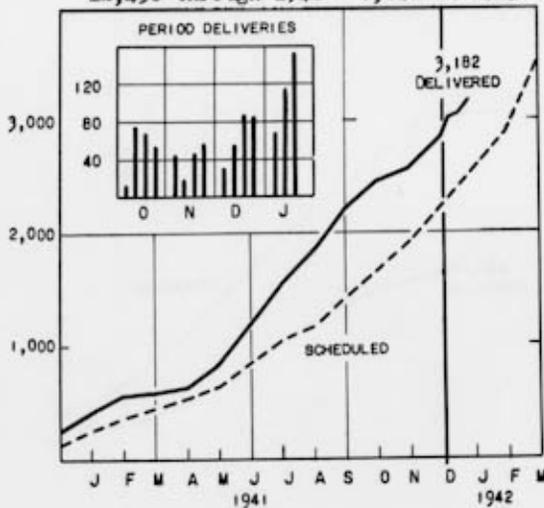
ARMY PROJECT AIRPLANES

4,826 HEAVY BOMBER
1,456 through 1942 - 3,370 in 1943

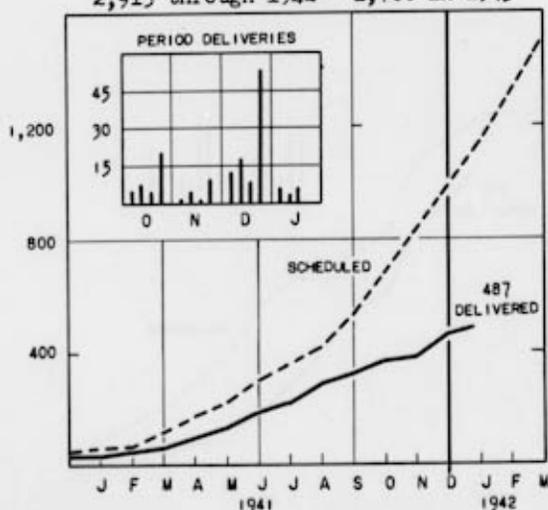


ARMY INSTALLATION ENGINES

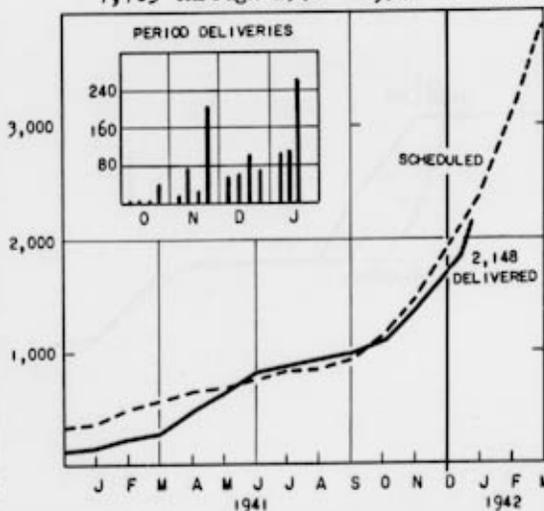
20,104 HEAVY BOMBER
12,456 through 1942 - 7,648 in 1943



4,615 MEDIUM BOMBER
2,915 through 1942 - 1,700 in 1943

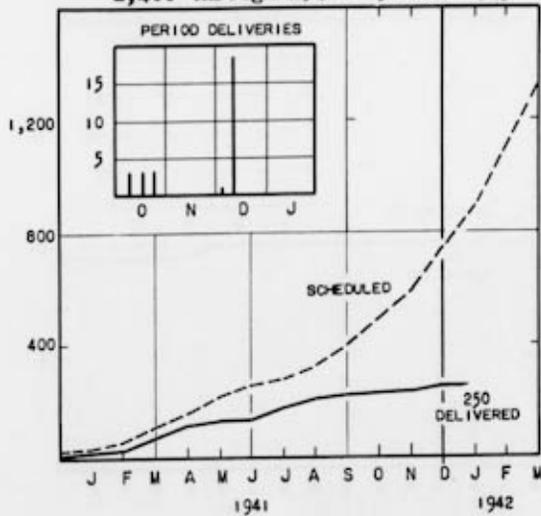


9,650 MEDIUM BOMBER
7,703 through 1942 - 1,947 in 1943



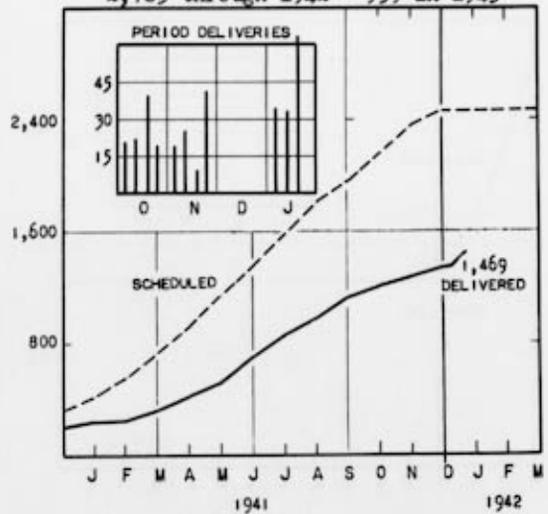
ARMY PROJECT AIRPLANES

1,900 LIGHT BOMBER
1,400 through 1942 - 500 in 1943

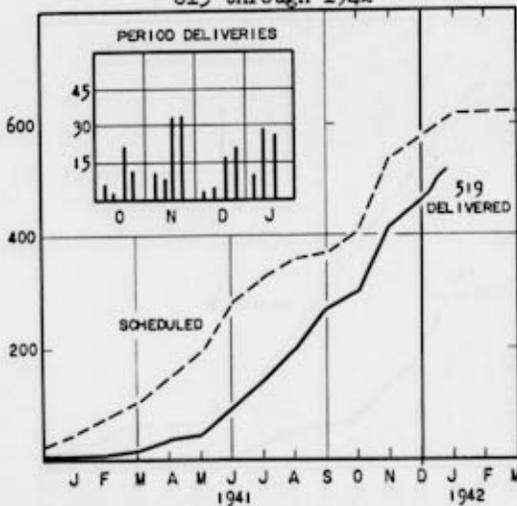


ARMY INSTALLATION ENGINES

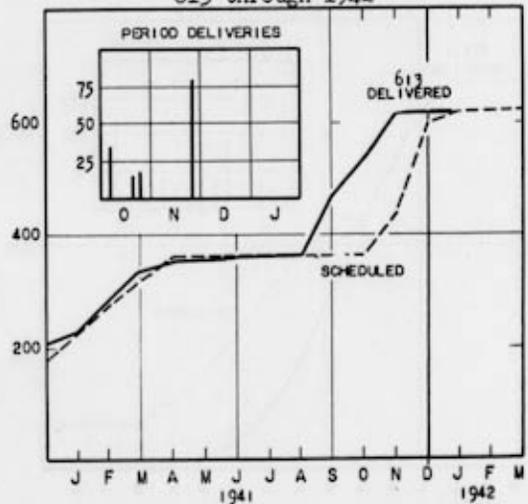
3,744 LIGHT BOMBER
2,785 through 1942 - 959 in 1943



613 OBSERVATION 613 through 1942

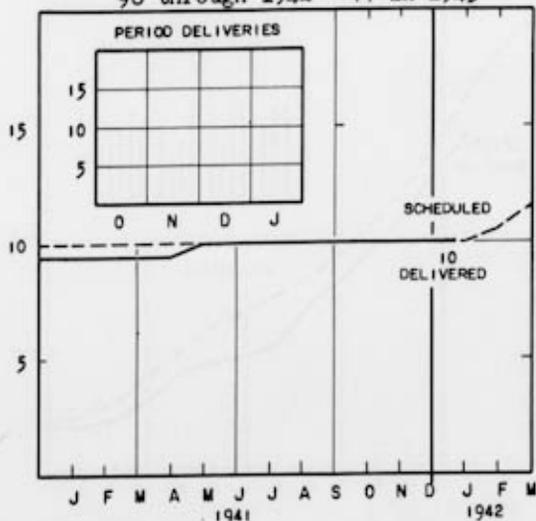


613 OBSERVATION 613 through 1942



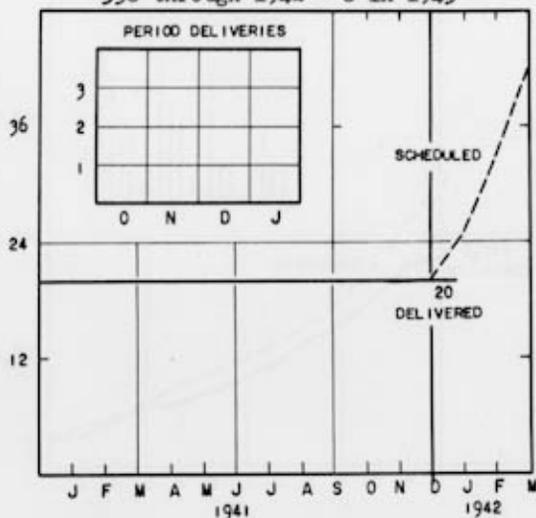
ARMY PROJECT AIRPLANES

173 PURSUIT FIGHTER
96 through 1942 - 77 in 1943

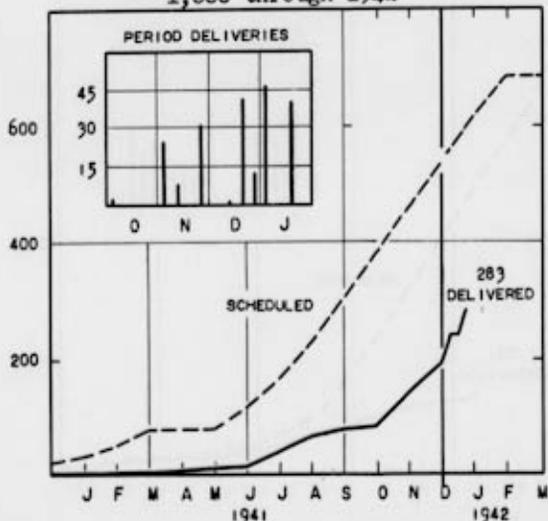


ARMY INSTALLATION ENGINES

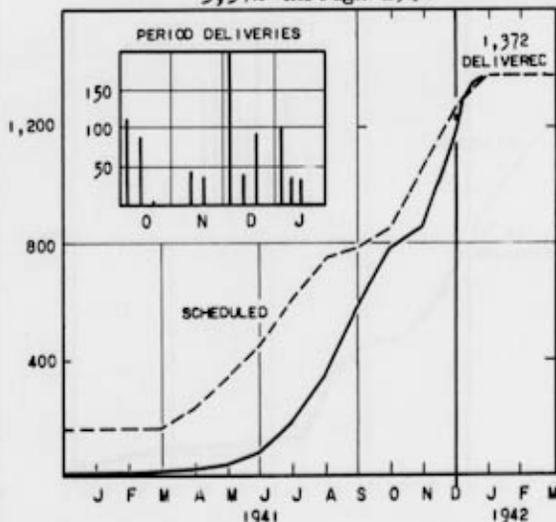
346 PURSUIT FIGHTER
338 through 1942 - 8 in 1943



1,686 PURSUIT INTER., 2 ENG.
1,686 through 1942

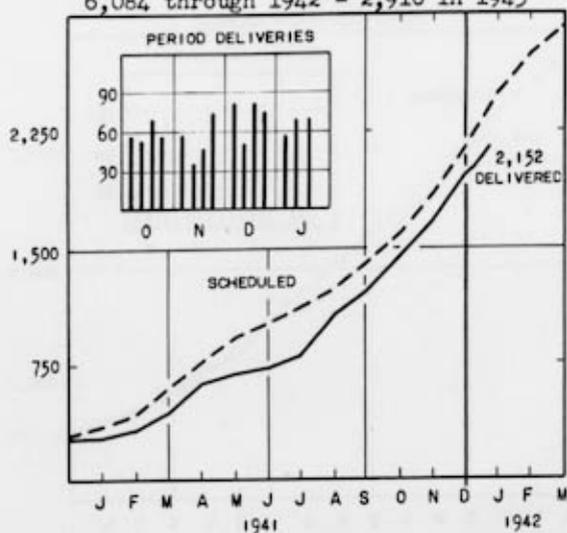


3,372 PURSUIT INTER., 2 ENG.
3,372 through 1942



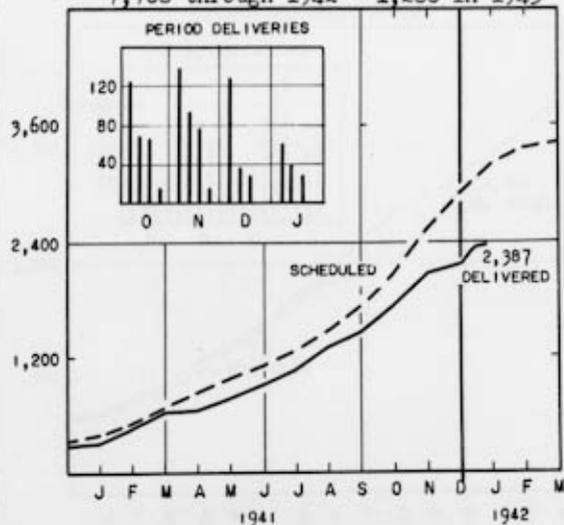
ARMY PROJECT AIRPLANES

8,994 PURSUIT INTER., 1 ENG.
6,084 through 1942 - 2,910 in 1943

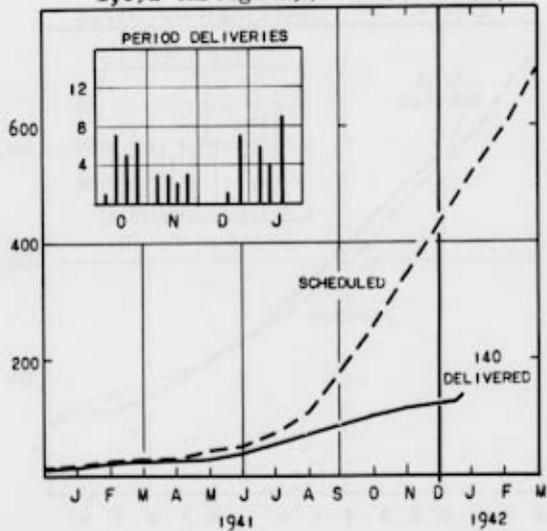


ARMY INSTALLATION ENGINES

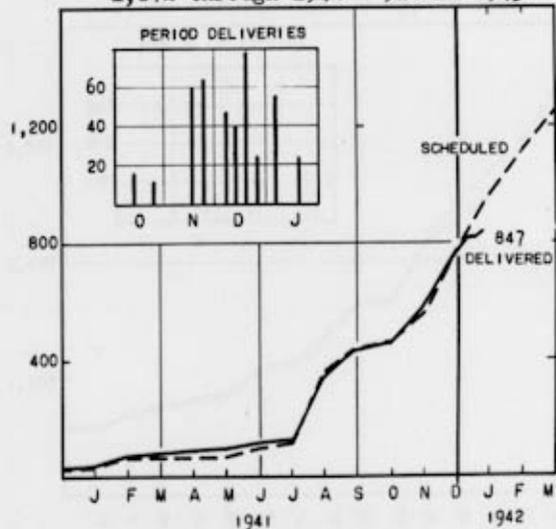
8,994 PURSUIT INTER., 1 ENG.
7,708 through 1942 - 1,286 in 1943



1,361 TRANSPORT
1,091 through 1942 - 270 in 1943

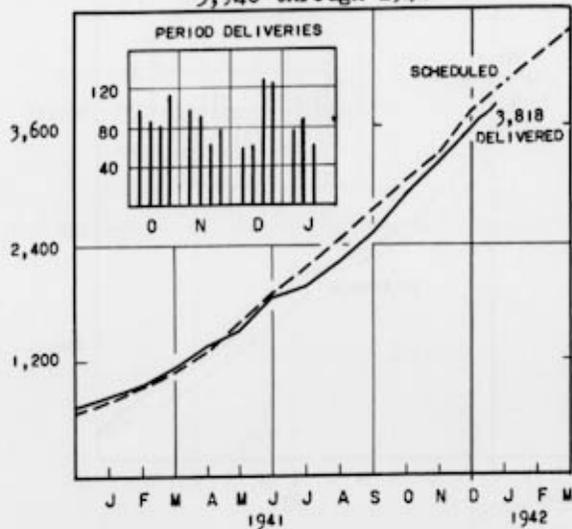


2,784 TRANSPORT
1,872 through 1942 - 912 in 1943



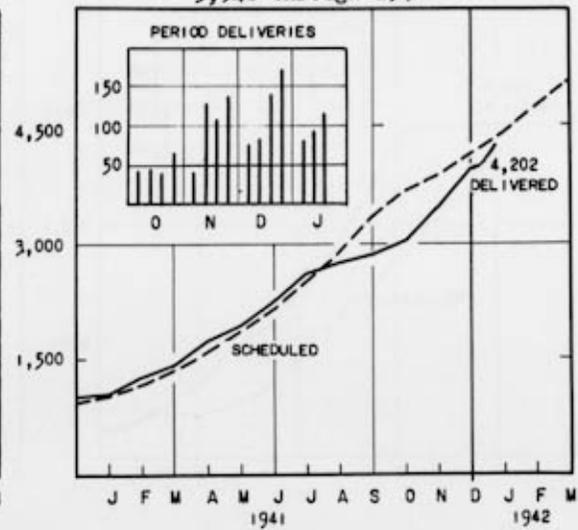
ARMY PROJECT AIRPLANES

5,940 PRIMARY TRAINER
5,940 through 1942

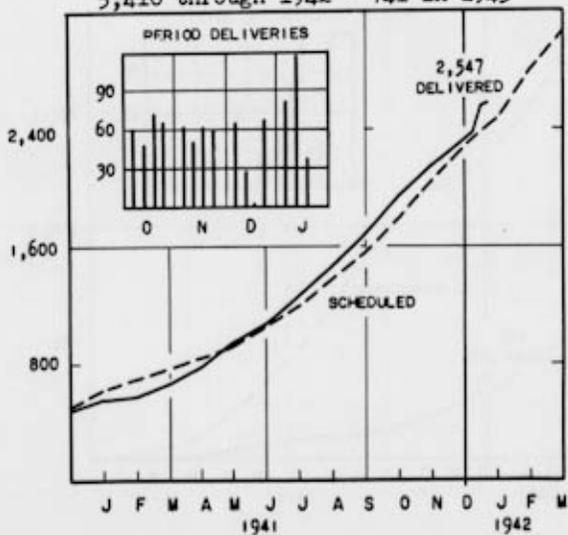


ARMY INSTALLATION ENGINES

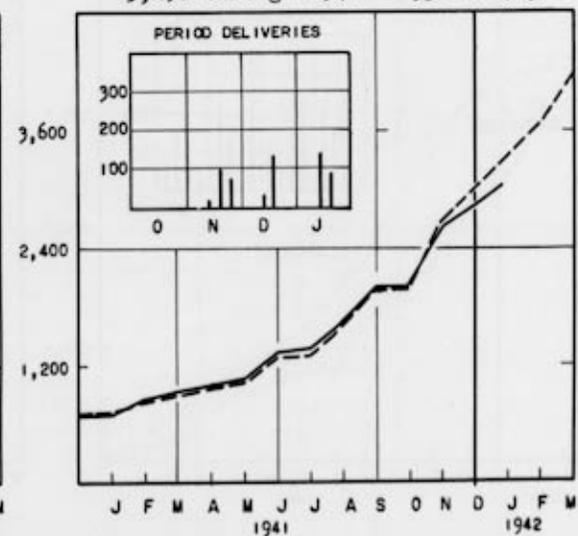
5,940 PRIMARY TRAINER
5,940 through 1942



6,151 BASIC TRAINER
5,410 through 1942 - 741 in 1943

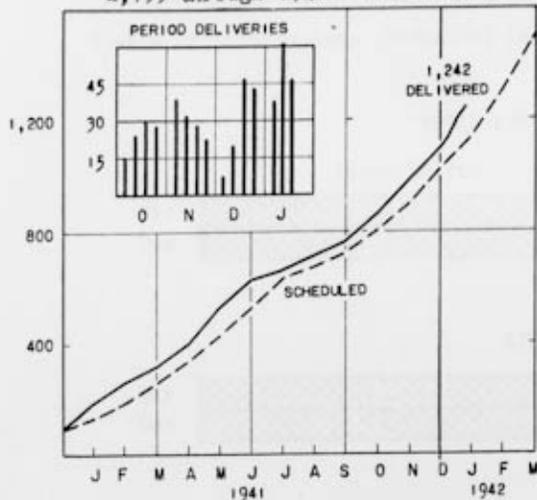


6,151 BASIC TRAINER
5,298 through 1942 - 853 in 1943



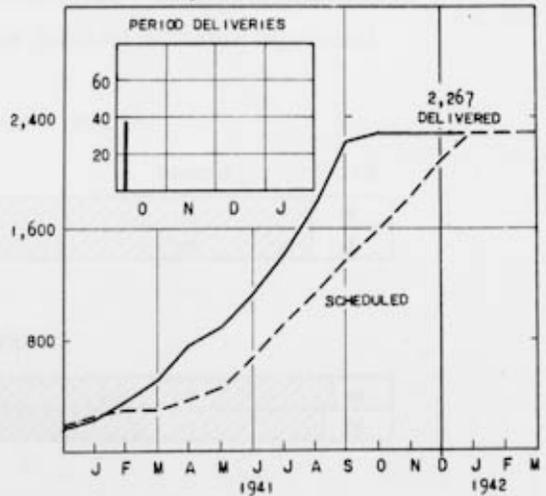
ARMY PROJECT AIRPLANES

3,627 ADVANCE TRAINER, 1 ENGINE
2,799 through 1942 - 828 in 1943

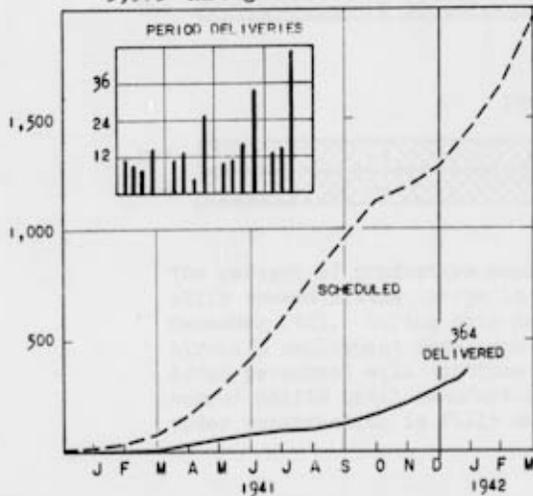


ARMY INSTALLATION ENGINES

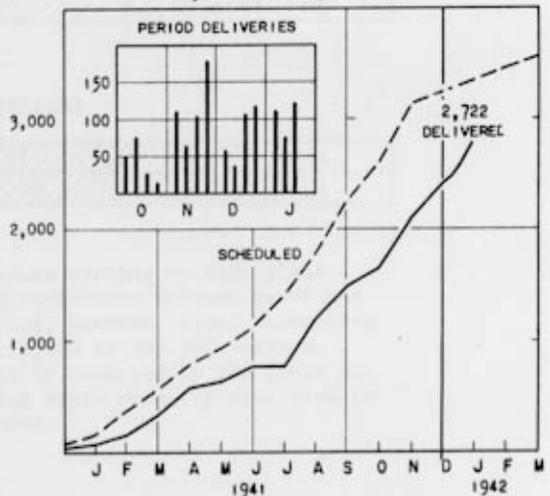
3,627 ADVANCE TRAINER, 1 ENGINE
3,627 through 1942



3,682 ADVANCE TRAINER, 2 ENGINE
3,593 through 1942 - 89 in 1943



6,381 ADVANCE TRAINER, 2 ENGINE
6,381 through 1942



PERCENT OF PRODUCTIVE EMPLOYEES ON PLANT SHIFTS - MARCH & DECEMBER 1941

Source of Information: Bureau of Labor Statistics, Labor Department

TOTAL AIRCRAFT INDUSTRY

	First shift	Second	Third
Mar	58%	31%	11%
Dec	55%	34%	11%

AIRFRAMES

Mar	61%	31%	8%
Dec	57%	34%	9%

ENGINES

Mar	49%	30%	21%
Dec	49%	33%	18%

PROPELLERS

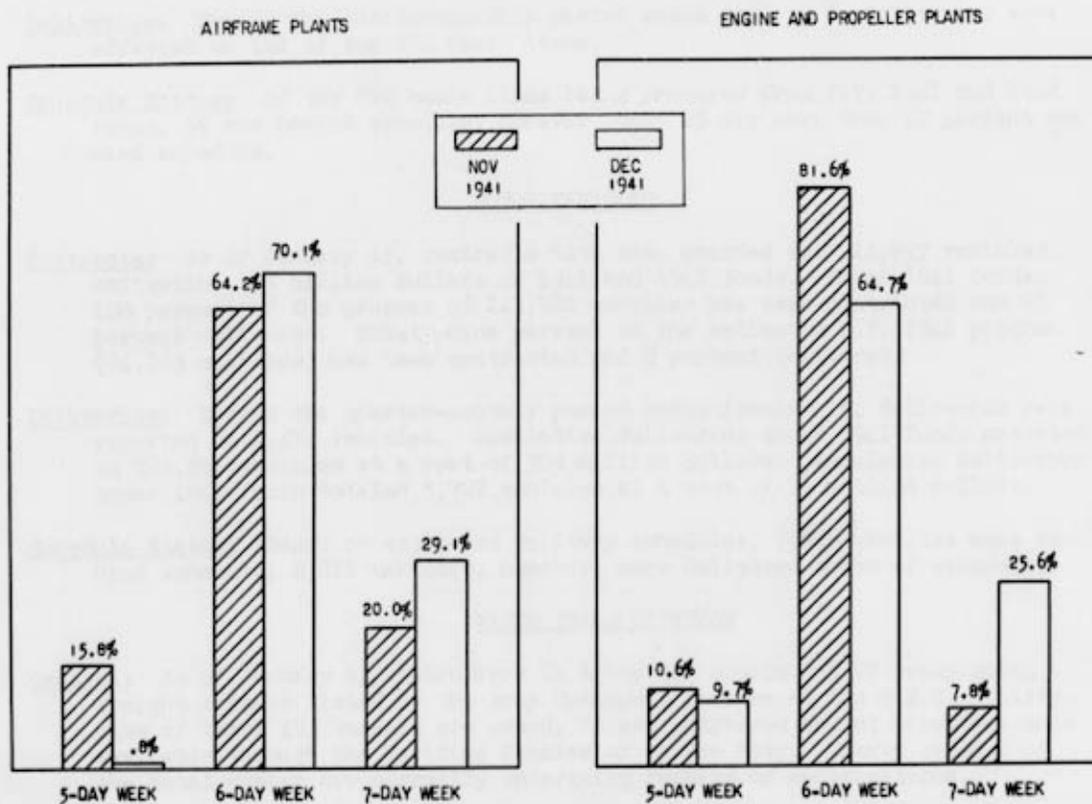
Mar	50%	32%	18%
Dec	52%	32%	16%

The percent of productive employees working on each plant shift showed little change in distribution between March and December 1941. During this period, however, total productive aircraft employment rose from 152,000 to 296,792 workers. Added personnel will continue to be absorbed by the first and second shifts until manufacturing space recently completed or under construction is fully manned.

PERCENT OF PRODUCTIVE AIRCRAFT EMPLOYEES BY LENGTH OF WORK WEEK

Source of Information: Bureau of Labor Statistics, Labor Department

The length of the work week in the aircraft industry showed a marked increase in December 1941. In the airframe division, 29 percent of productive employees worked in 7-day plants compared with 20 percent in November 1941. In the engine and propeller group, 26 percent of productive employees worked in 7-day plants compared with 8 percent the previous month. A small number of employees at three minor plants, still on a 5½-day basis, are included in the 6-day classification.



TEXT SUMMARY - QUARTERMASTER PROCUREMENT - BASIC ITEMS OF SUPPLY & TRANSPORTATION

Source: Statistics Branch, Office of the Quartermaster General - January 29, 1942

BASIC ITEMS

General: As of January 8, complete delivery has been made on 13 of 178 basic items procured from 1941 and 1942 funds. The 165 remaining items are 82 percent contracted and an average of 52 percent of their total programs has been procured.

Contracts: For the period ended January 8, increases in contracted amounts were indicated for 16 basic items, including:

Bag, barrack	Shoes, low quarter
Coat, wool, service	Stove, tent
Shirt, cotton, khaki	Undershirt, summer

Deliveries: During the quarter-monthly period ended January 8, deliveries were effected on 121 of the 178 basic items.

Schedule Status: Of the 178 basic items being procured from F.Y. 1941 and 1942 funds, 59 are behind schedule; however, only 25 are more than 10 percent behind schedule.

MOTOR VEHICLES

Contracts: As of January 15, contracts have been awarded for 314,893 vehicles, obligating 435 million dollars of 1941 and 1942 funds. Under 1941 funds, 100 percent of the program of 241,728 vehicles has been contracted and 93 percent delivered. Ninety-nine percent of the estimated F.Y. 1942 program (74,205 vehicles) has been contracted and 8 percent delivered.

Deliveries: During the quarter-monthly period ended January 15, deliveries were reported on 4,474 vehicles. Cumulative deliveries under 1941 funds amounted to 223,855 vehicles at a cost of 308 million dollars. Cumulative deliveries under 1942 funds totaled 5,722 vehicles at a cost of 7½ million dollars.

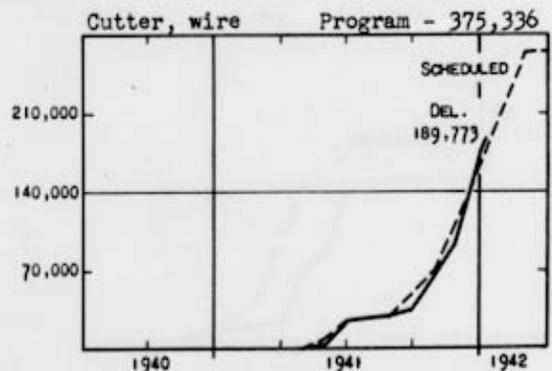
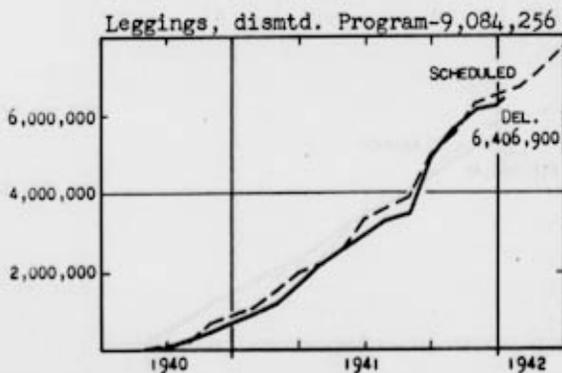
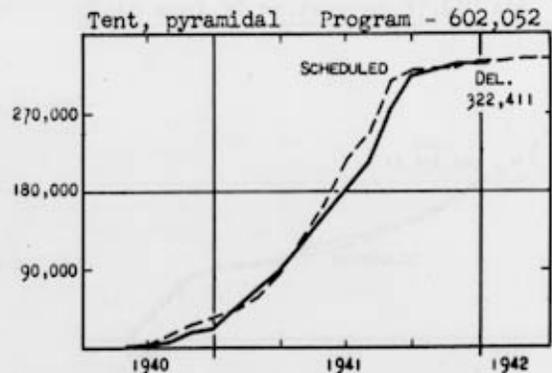
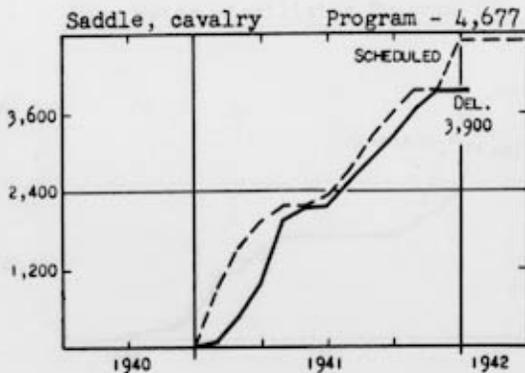
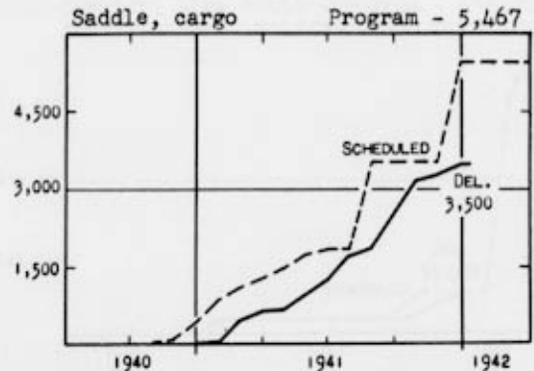
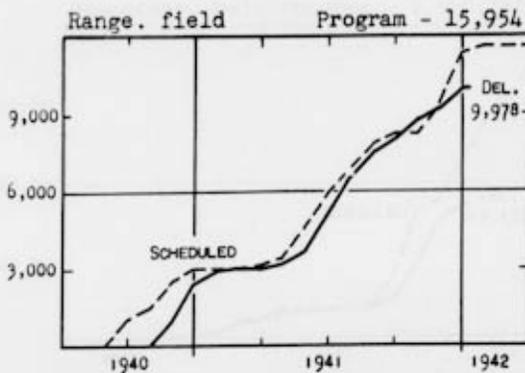
Schedule Status: Based on estimated delivery schedules, 7,948 vehicles were behind schedule; 2,212 vehicles, however, were delivered ahead of schedule.

WATER TRANSPORTATION

General: As of January 23, there were 74 troop transports and 97 ocean-going freight vessels listed by the Army Transport Service of the Q.M.C. Thirty-nine of these 171 vessels are owned, 71 are chartered and 61 have been made available through the Maritime Commission or the Navy. Twenty vessels of the total number are currently undergoing repairs or modifications.

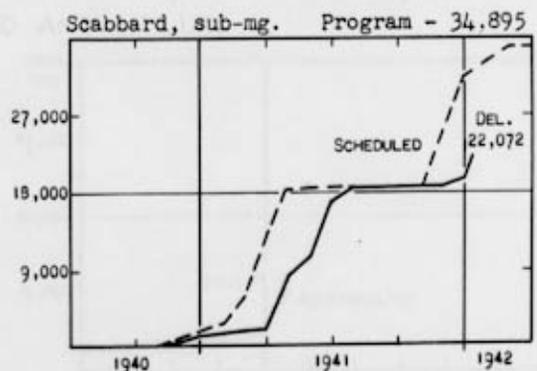
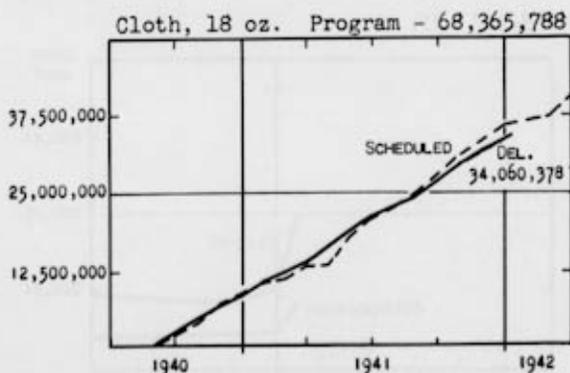
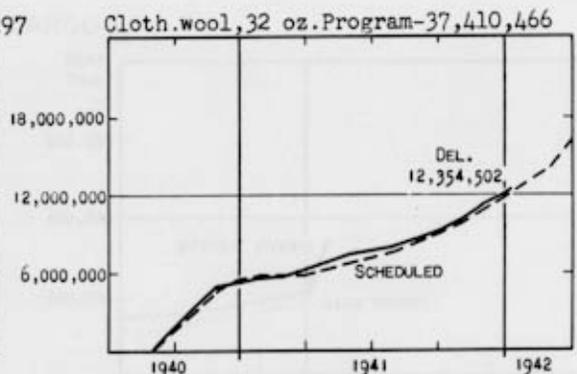
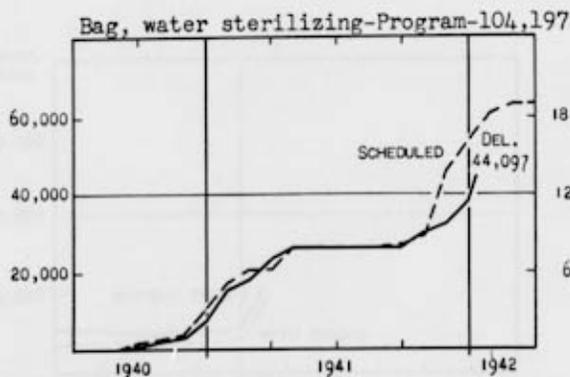
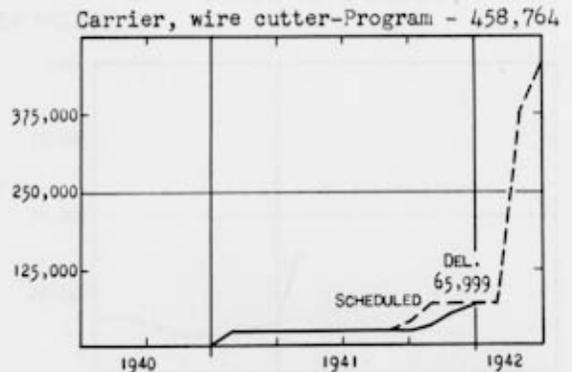
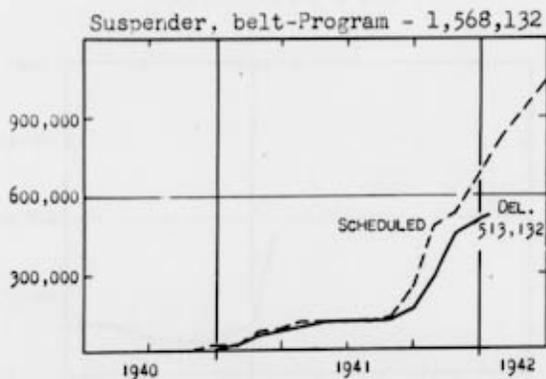
O.M.C. - PROCUREMENT OF SELECTED BASIC ITEMS - F.Y. 1941 & 1942 - JANUARY 8, 1942

Source of Information: Statistics Branch, Office of the Quartermaster General



Q.M.C. - PROCUREMENT OF SELECTED BASIC ITEMS - F.Y. 1941 & 1942 - JANUARY 8, 1942

Source of Information: Statistics Branch Office of the Quartermaster General



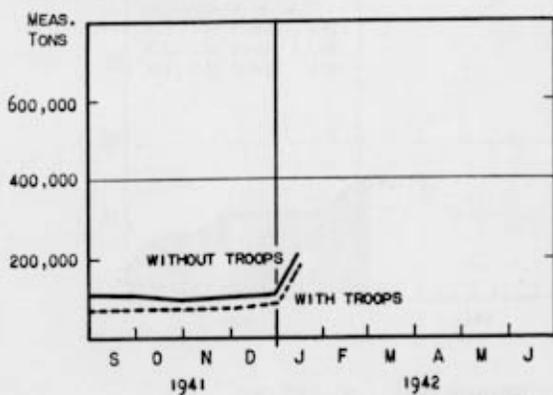
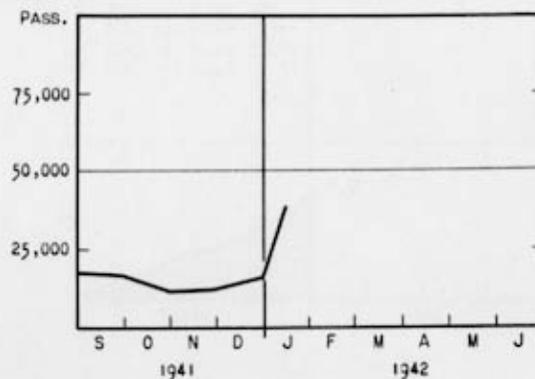
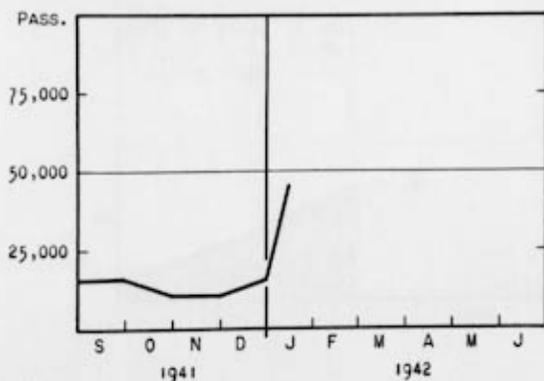
CAPACITIES OF Q. M. C. OCEANGOING VESSELS - JANUARY 15, 1942

Source: Statistics Branch, Office of the Quartermaster General

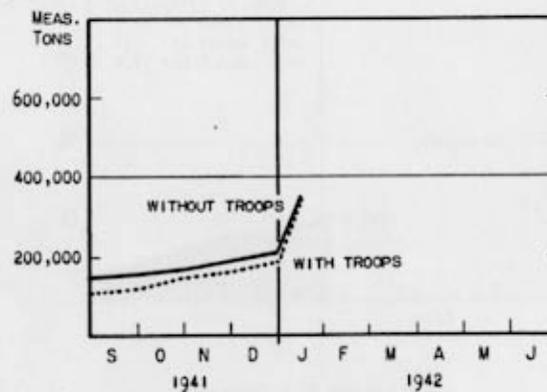
ATLANTIC OCEAN

PASSENGER

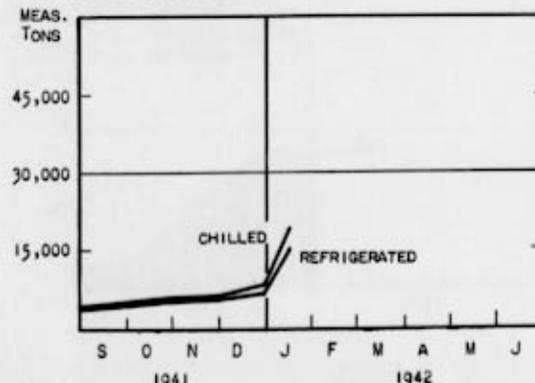
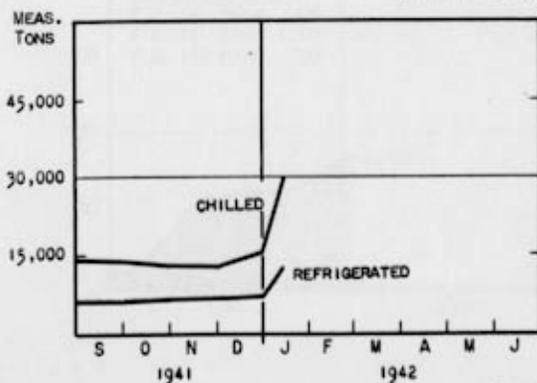
PACIFIC OCEAN



CARGO

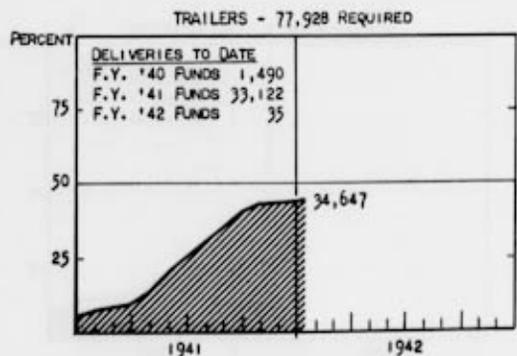
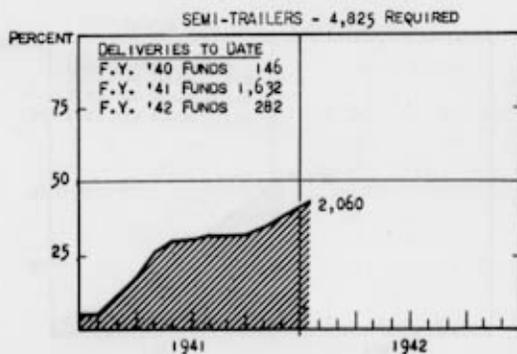
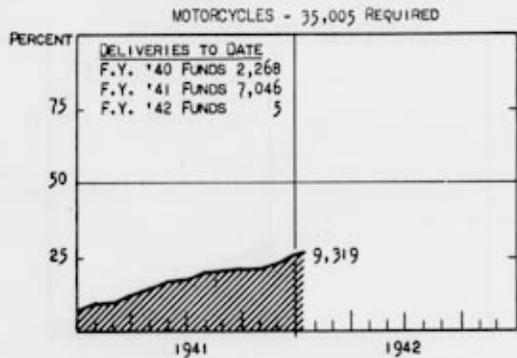
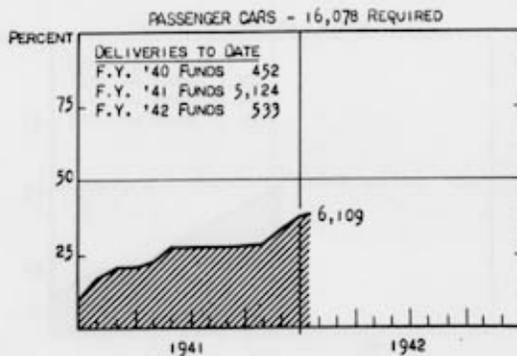
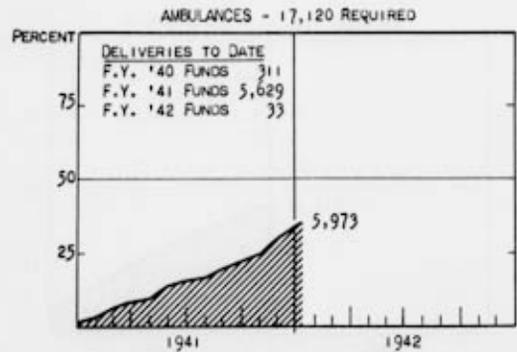
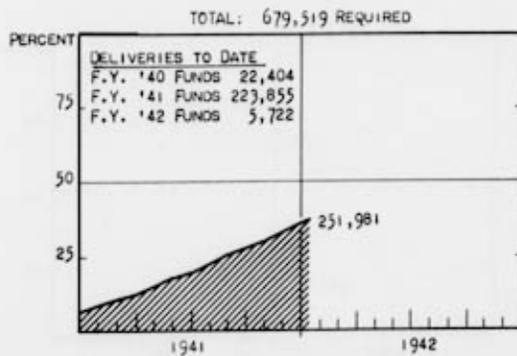


REFRIGERATED AND CHILLED



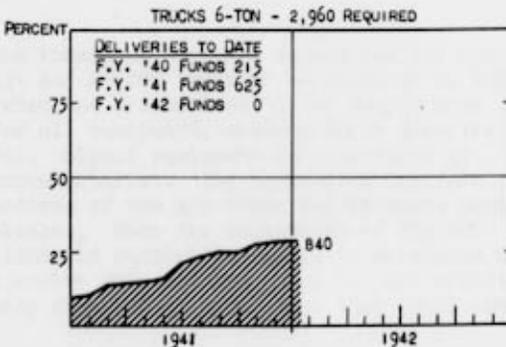
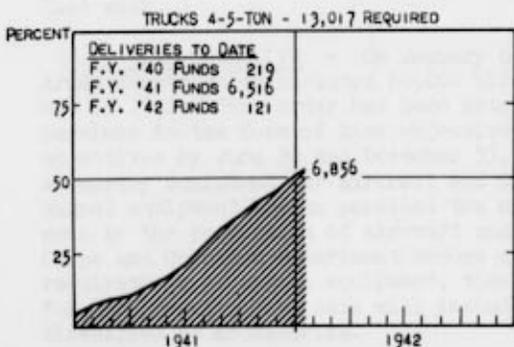
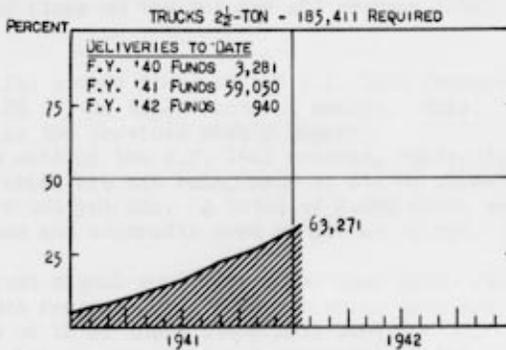
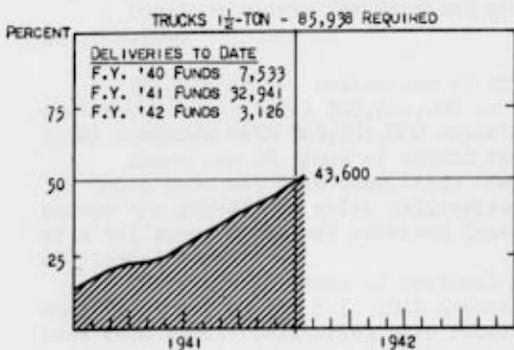
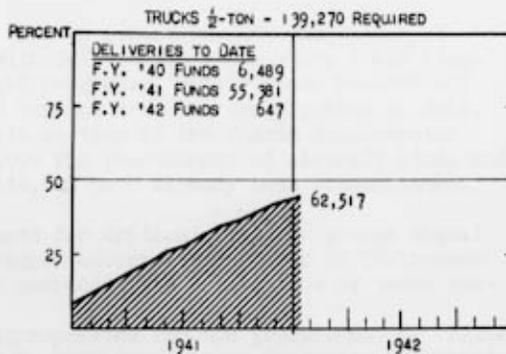
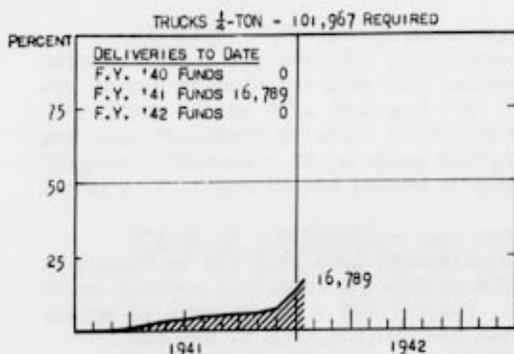
MOTOR VEHICLES REQUIRED FOR 3.6 ARMY & CUMULATIVE DELIVERIES FROM F.Y. 1940-41-42 FUNDS

Source of Information: Statistics Branch, Office of the Quartermaster General



MOTOR VEHICLES REQUIRED FOR 3.6 ARMY & CUMULATIVE DELIVERIES FROM F.Y. 1940-41-42 FUNDS

Source of Information: Statistics Branch, Office of the Quartermaster General



TEXT SUMMARY - SIGNAL CORPS PROCUREMENT - GROUND - JANUARY 24, 1942

Source of Information: Office of the Chief Signal Officer, Procurement Division

PROGRAM - Program figures shown in this report include quantities of critical items approved for procurement with Defense Aid funds where these items are common to both our Army and Defense Aid programs. Totals shown include all quantities on the F.Y. 1941 and F.Y. 1942 Expenditure Programs approved to date, and also "Estimate C" which is the aircraft section of the Fourth Supplemental Program. "Estimate C" provides \$680,242,000 for procurement of aircraft items and letters of intent in the amount of \$350,458,000 have already been accomplished.

STATUS OF CONTRACTS - All contracts for critical items of ground signal equipment on the F.Y. 1941 Expenditure Program except contract for 20 Instrument Blind Landing Equipment SCR-251 have been awarded. The total value of these contracts is approximately \$94,953,000.

The sum of \$373,508,000 has been appropriated for the procurement of critical items of ground signal equipment on the F.Y. 1942 Expenditure Programs. Contracts with a value of \$274,346,000 or 73.5% of this total have already been awarded.

Contract awards for critical ground items on the Defense Aid program total \$67,705,000.

DELIVERIES - Deliveries of critical ground items on the F.Y. 1941 Procurement Program now total \$67,260,000 or 70.8% of the total contract awards. This total compares with \$65,384,000 reported in the previous weekly report.

There are 18 types of ground radio sets on the F.Y. 1941 program, contracts for which have not been completed. Deliveries are now being made on all of these except the SCR-255 on which deliveries are not yet due. A total of 1,058 radio sets of 8 different types was received last week and contracts were completed on one additional item.

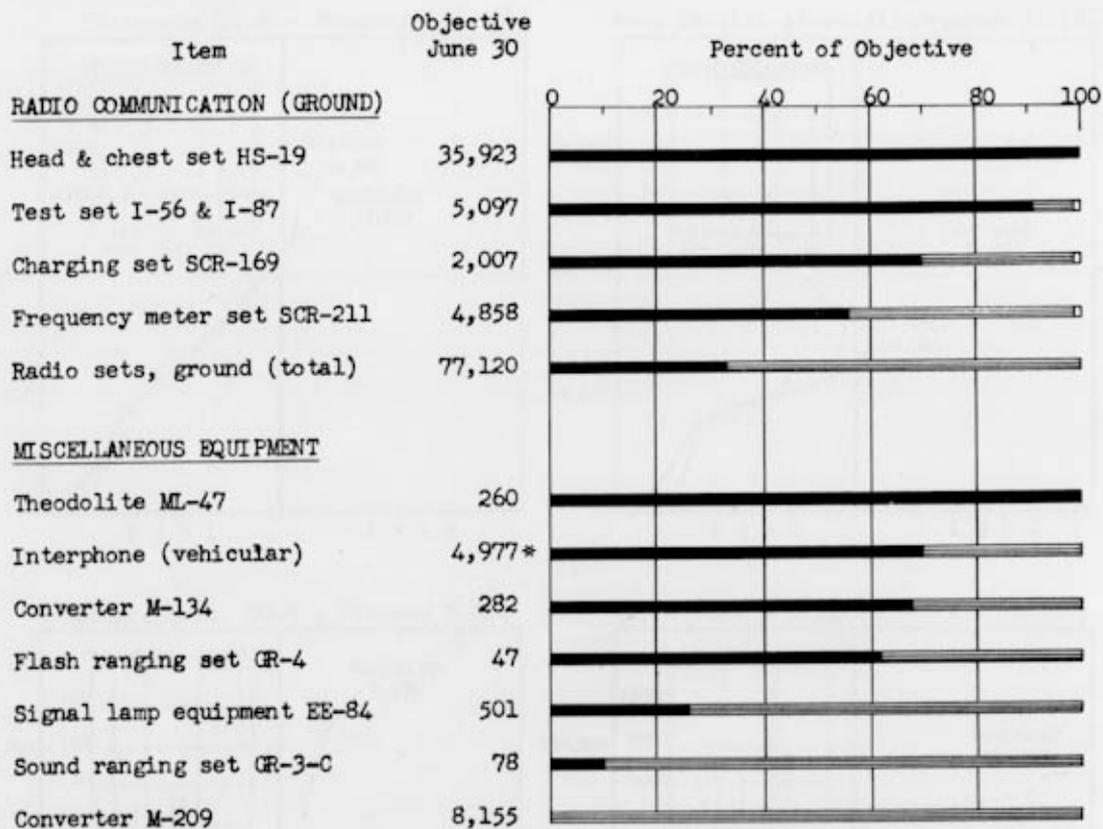
There are 20 items of critical ground signal equipment other than radio sets under contract on the F.Y. 1941 Expenditure Program, contracts for which have not been completed. Deliveries were received on 12 of these items last week.

Deliveries are due on 9 items of critical ground signal equipment on the F.Y. 1942 Procurement Program and quantities were received on three of these items last week.

TIME OBJECTIVE - On January 6, the President outlined objectives for our Armed Forces which included 60,000 aircraft and 45,000 tanks to be produced by the end of 1942. This order has been interpreted and transmitted to the Supply Arms and Services in the form of time objectives for all equipment, setting forth specific objectives by June 30 and December 31, 1942. Signal equipment is considered as accessory equipment for Aircraft and Ordnance materiel. The objectives for this signal equipment are to parallel the objectives of the Air Corps and Ordnance Department in the production of aircraft and vehicles. When the objectives of the Air Corps and Ordnance Department become available in sufficient detail to determine the requirements of signal equipment, time objective data will be shown in this report. For the present these data will include only signal equipment other than those items classified as accessories.

TIME OBJECTIVE - SELECTED CRITICAL ITEMS - JANUARY 24, 1942

Source of Information: Office of the Chief Signal Officer, Procurement Division



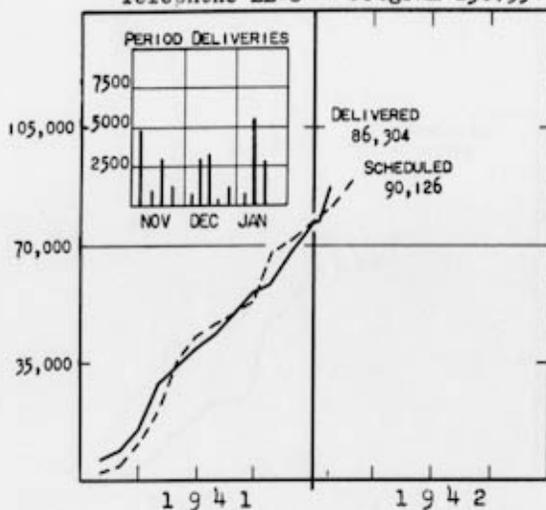
Delivered
 Under Contract
 Not Contracted

* Tentative pending revision of Ordnance objective.

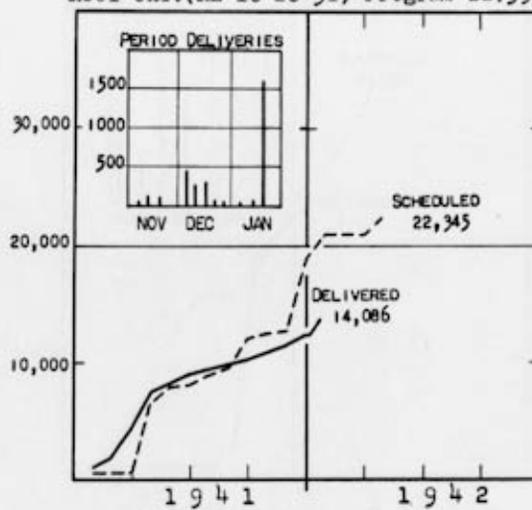
SIGNAL CORPS PROCUREMENT - SELECTED ITEMS - WIRE COMMUNICATION - JANUARY 24, 1942

Source of Information: Procurement Division, Office of the Chief Signal Officer

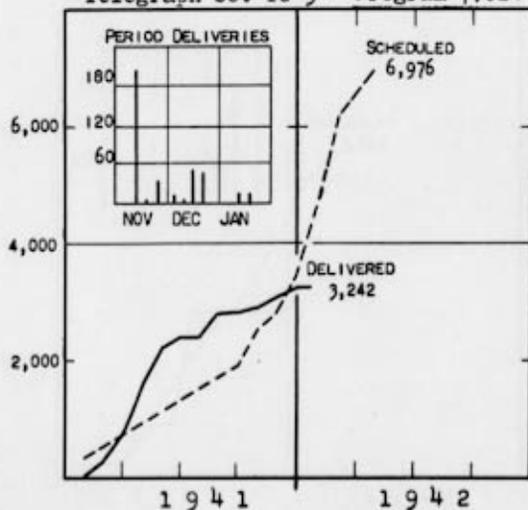
Telephone EE-8 - Program 136,594



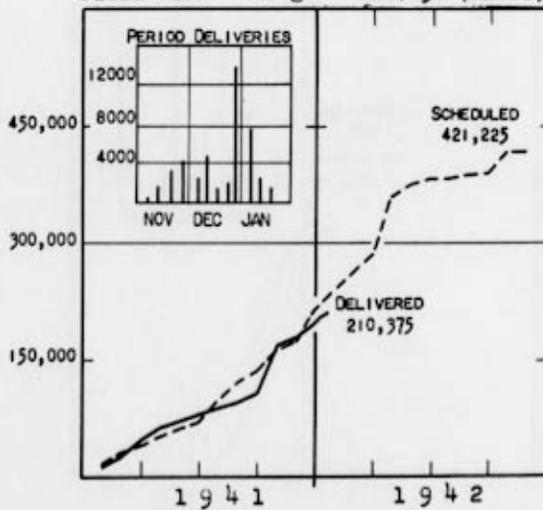
Reel Unit(RL-16-26-31)-Program 22,357



Telegraph Set TG-5 - Program 7,014



Field Wire - Program 881,830 (miles)



SIGNAL CORPS PROCUREMENT - SELECTED ITEMS - RADIO COMMUNICATION EQUIPMENT
JANUARY 24, 1942

Source of Information: Procurement Division, Office of the Chief Signal Officer

Frequency Meter Set SCR-211
 Program - 4,858

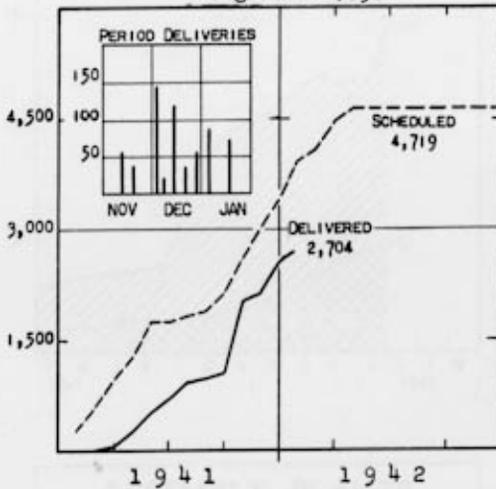
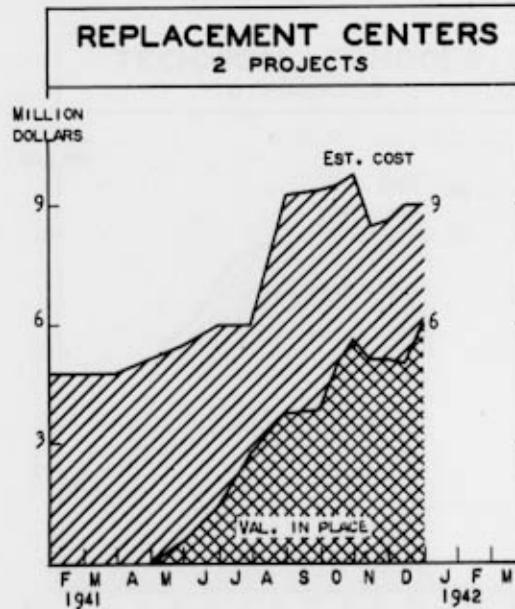
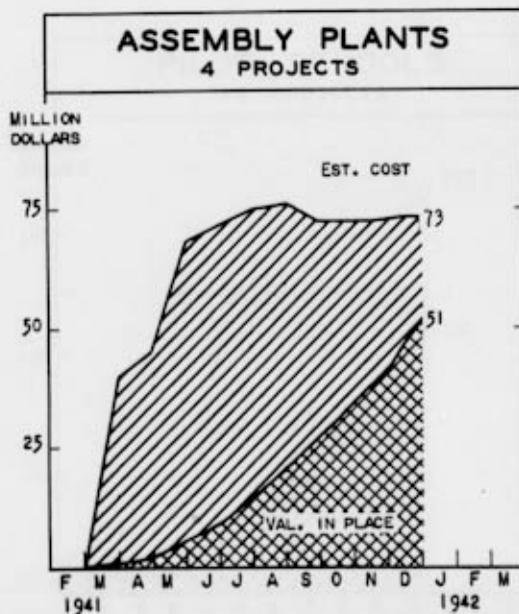
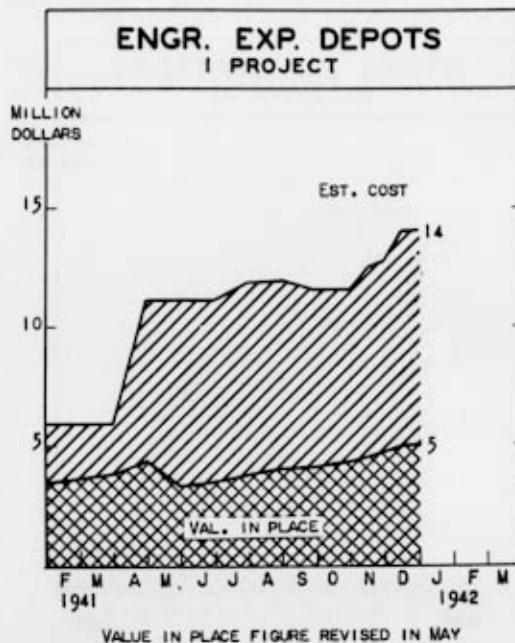
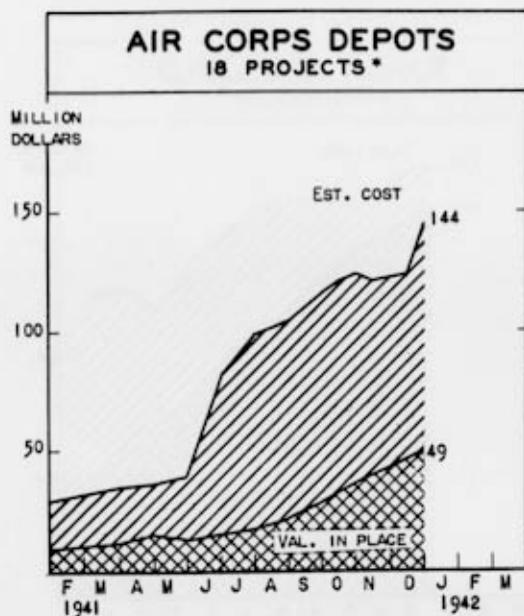


DIAGRAM - CONSTRUCTION AT AIR CORPS STATIONS - DECEMBER 31, 1941

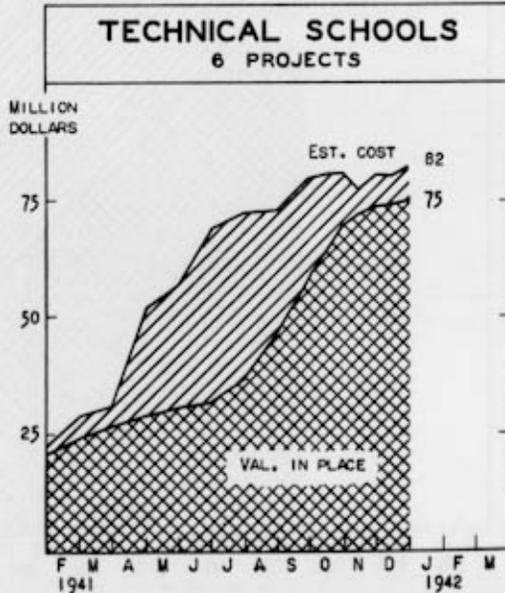
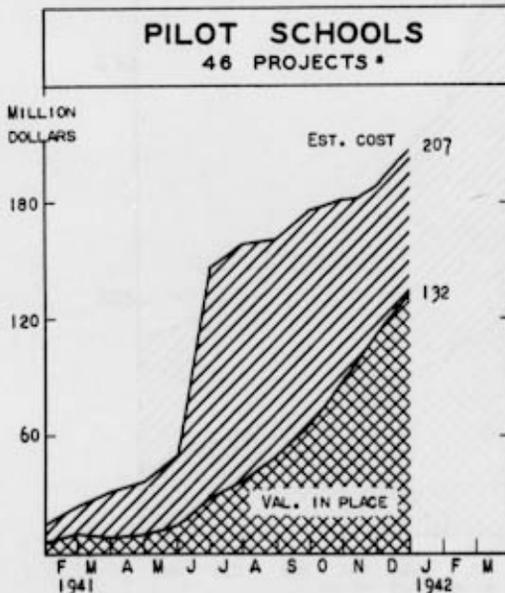
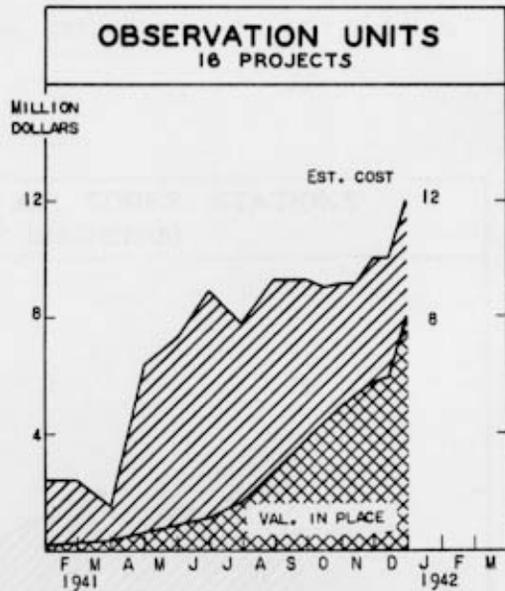
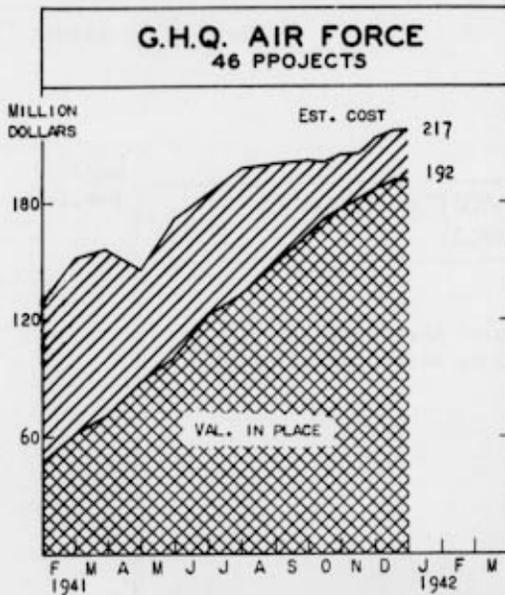
Source of Information: Construction Section, Office of the Chief of Engineers



*INCLUDES ONE WEATHER AND COMMUNICATIONS DETACHMENT AND SEVEN FERRYING COMMANDS

DIAGRAM - CONSTRUCTION AT AIR CORPS STATIONS - DECEMBER 31, 1941

Source of Information: Construction Section, Office of the Chief of Engineers



TEXT SUMMARY - MEDICAL DEPARTMENT - FOR WEEK ENDED JANUARY 31, 1942

Source of Information: Finance & Supply Div. - Office of Surgeon General

Out of a total of 60 critical items on the 1941 and 1942 procurement program, 14 are ahead of schedule, 8 on schedule, and 38 behind schedule. The 82 selected items on the same program show 20 ahead of schedule, 30 on schedule, and 32 behind schedule.

According to the Medical Department progress report as of January 15, 1942, only one additional critical item had been completed during the previous 15 days. Bauer & Black delivered 76,500 First Aid Packets on their final contract. This completed the 1941 procurement program for 3,400,000 of this item.

During the quarter monthly period ending January 15, 1942, the Scanlan-Morris Company completed one of its contracts by delivering 16 Hospital Sterilizers. This leaves the 1941 procurement program for 810 of this item within eight units of completion. It is expected that the balance of this item will be delivered promptly. The difficulty of procuring this equipment, without which no hospital can function properly, has been a source of embarrassment to the Medical Department. Scarcity of steel, copper, zinc, brass, chromium and nickel, coupled with lack of skilled labor, have been the principal causes of delay.

The second and seventh Evacuation Hospitals have been called to active duty. Evacuation Hospital Number 2 is a St. Luke's Hospital Unit, New York City, and will receive its training at Fort Devens, Massachusetts. Evacuation Hospital Number 7 is from the New York Post Graduate Hospital of New York City, and will receive its preliminary instruction at Fort Dix, New Jersey. Both units are commanded by officers of the Medical Reserve Corps.

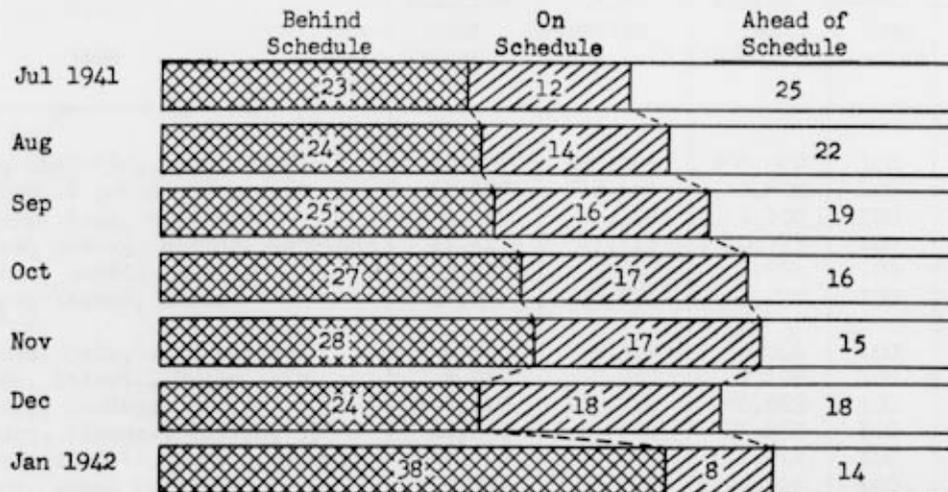
In the week ending January 22, the percentage of sick within the continental limits of the United States was 3.44. There were 3.18 percent in hospital and .26 in quarters.

MEDICAL DEPARTMENT - DELIVERY STATUS, F.Y. 1941 PROGRAM - JANUARY 15, 1942

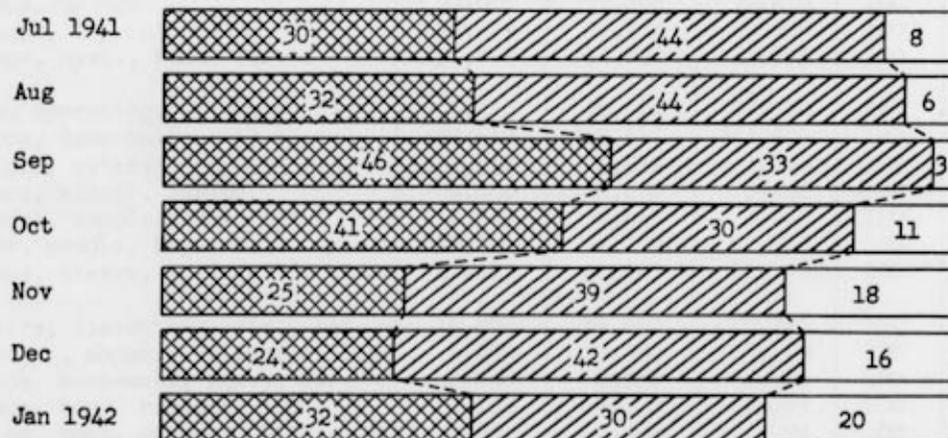
Source of Information: Medical Department Procurement Progress Reports

Includes 1941 Program only

Sixty-one Critical Items



Eighty-two Selected Items



MEDICAL DEPARTMENT - PROCUREMENT STATUS, CRITICAL SURGICAL INSTRUMENTS - JAN. 15, 1942

Source of Information: Medical Department Procurement Progress Reports

Item	F.Y. 1941 and 1942 Procure- ment program	Con- tracted thru 1-15	Deliv- ered thru 1-15	Percent of Program		
				Con- tracted	Due	Deliv- ered
Knife, operating, det. blade	296,000	296,000	296,000	100	100	100
Scissors, 1 point sharp, 4½"	12,600	12,600	12,600	100	100	100
Scissors, iris, angular	4,100	4,100	4,100	100	84	100
Forceps, tissue, spring, 4½" blade	41,417	41,417	40,773	100	100	98
Scissors, nasal, angular	3,850	3,850	3,634	100	100	94
Forceps, tissue, Allis	47,231	47,231	43,820	100	85	93
Scissors, iris, full curved	6,516	6,516	6,016	100	91	92
Forceps, intest., Doyen, str.	8,050	8,050	7,128	100	81	89
Scissors, bandage	109,710	109,710	96,862	100	95	88
Scissors, dissec., curved, 5½"	24,800	24,800	21,260	100	100	86
Forceps, intest., Doyen, curved	7,000	7,000	5,942	100	84	85
Forceps, towel (2 sizes)	117,724	117,724	99,028	100	78	84
Scissors, tonsil	1,870	1,870	1,550	100	94	83
Forceps, cystic duct, 7½"	2,350	2,350	1,902	100	57	81
Retractor, tissue, nested	8,900	8,900	7,050	100	85	79
Scissors, double blunt, 5½"	21,070	21,070	15,956	100	81	76
Forceps, sponge	97,608	97,608	72,450	100	71	74
Scissors, 1 point sharp, 5½"	27,155	27,155	19,580	100	75	72
Forceps, hyst., Pean, curved	34,892	34,892	24,975	100	45	72
Knife, operating, (3 sizes)	46,416	46,416	32,700	100	94	70
Forceps, hemostatic, all types	508,617	508,617	353,909	100	62	70
Scissors, suture	4,312	4,312	2,988	100	100	69
Forceps, kidney, curved	9,600	9,600	6,448	100	97	67
Scissors, double blunt, 6½"	4,613	4,613	3,013	100	100	65
Holder, needle, Hegar-Mayo	38,126	38,126	22,862	100	70	60
Forceps, tissue, spring, 5½" blade	42,463	42,463	24,170	100	62	57
Scissors, dissecting, str., 5½"	18,092	18,092	10,220	100	85	56
Retractor, abdom., self-retaining	8,200	8,200	3,198	100	54	39
Forceps, bone-cut., heavy, str.	2,850	2,850	1,025	100	33	36
Forceps, bone, rongeur, 10¼"	3,100	3,100	1,095	100	42	35
Forceps, bone, rongeur, 7"	4,992	4,992	925	100	21	19

TEXT SUMMARY - CHEMICAL WARFARE SERVICE - STATUS JANUARY 23, 1942

Source of Information: Chemical Warfare Service Progress Report

PRODUCTION: Chemical Warfare Service reports deliveries on six Critical and fourteen Essential Items on the Expenditure Program.

GAS MASKS: Service Mask assemblies reported this week total 38,916 units. Goodyear assembled 14,976 of this number, while Johnson and Johnson reported 11,676, and Firestone 12,264 units.

Training Mask assemblies during the same period total 28,016 units. These deliveries were reported as follows: Eureka 14,756; Sprague 6,720, and Firestone 6,540.

Edgewood Arsenal reported an assembly of 41,480 Diaphragm Masks during the week covered by this report.

There were 35,513 extra Service Canisters delivered during the week. Johnson and Johnson assembled 34,600 of this number, while Goodyear assembled the remainder.

INCENDIARY BOMBS: National Fireworks reports the loading of 62,295 Incendiary Bombs (substitutetype) making the deliveries total 240,795.

The blanket A-1-c priority given to the Incendiary Bomb program is definitely developing a serious "bottleneck." A priority of less than A-1-a will not obtain the necessary machines, tools, and steel bar stock.

Contracts for the components of all magnesium type bombs called for by the program are nearly completed. Delivery of these components will be gauged on the allocation of magnesium alloy. The Chemical Warfare Service is prepared to load any number of bombs up to 6,000,000 per month, beginning April 1, 1942, but the outlook for magnesium alloy in quantity is doubtful.

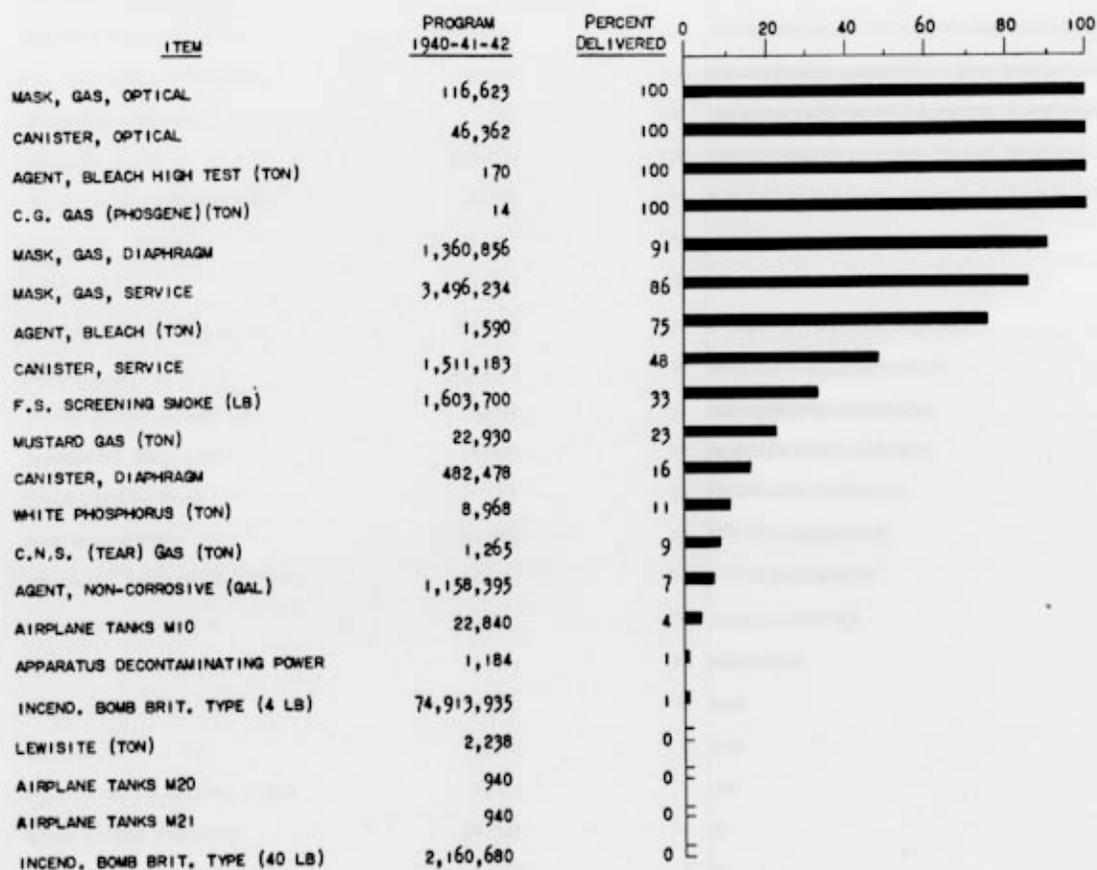
CHEMICAL AGENTS: The Mustard Gas production for the week totals 117 tons. There were also 14,674 Smoke Pots; 230,265 CN training Capsules; 26 tons of CNS (tear) gas delivered during the week.

PROTECTIVE AGENTS: Deliveries of 1,080,720 eight-ounce tubes of Shoe Impregnite; 6.4 tons of Impregnite "I", and 466 tons of Impregnite "I" Solvents were reported.

VARIOUS DELIVERIES: There were 39,168 Land Mines; 21,400 Gas Proof Curtains; 192 Collective Field Protectors and 331 extra Canister; 200 Steel Containers (ton), and 12,000 Apparatus for Decontaminating (1 $\frac{1}{2}$ quart).

PROCUREMENT PROGRESS - C. W. S. - CRITICAL ITEMS - JANUARY 23, 1942

Source of Information: Chemical Warfare Service



PROCUREMENT PROGRESS - C. W. S. - SELECTED ESSENTIAL ITEMS - JANUARY 23, 1942

Source of Information: Chemical Warfare Service

