

STATEMENT OF
FUNDS REQUIRED TO MAKE EFFECTIVE THE ORDNANCE
DEPARTMENT POLICY FOR INDUSTRIAL PREPAREDNESS.

1. Consolidated statement of funds required as shown below

<u>Item</u>	<u>Appropriated for F.Y.1930</u>	<u>Necessary</u>	<u>Increase</u>
Research and Development	\$1,137,000	\$2,637,000	\$1,500,000
Peacetime Arsenal Production Orders	4,630,000	8,630,000	4,000,000*
Educational Orders	None	3,000,000	3,000,000*
Specifications, Drawings, Gages, etc.	125,000	225,000	100,000
Descriptions of Manufacture and Arsenal Plans	35,000	135,000	100,000
District Activities	46,000	346,000	300,000
	<u>\$5,973,000</u>	<u>\$14,973,000</u>	<u>\$9,000,000</u>
Appropriated for other activities	<u>5,109,678</u>	<u>5,609,678</u>	<u>500,000</u>
Total Ordnance Appropriation	<u>\$11,082,678</u>	<u>\$20,582,678</u>	<u>\$9,500,000</u>

(*) These would apply to other approved War Department Policies as explained in paragraph 2 b and 2 c and are not exclusively for Industrial Preparedness.

2. Detailed plans as to how the increased funds would be utilized if appropriated have been prepared. Briefly the plans may be summarized as follows

a Research and Development - Expand activities now engaged in

Metallurgical Research with particular attention to securing substitutes for strategical materials.

Explosive research with special view to developing powders and explosives capable for rapid production

Study of new methods of manufacture for expediting production such as cold working processes, centrifugal castings, projectiles from seamless steel tubing and electric welding.

Development of new types of materiel.

The expediting of this work will permit the inauguration of procurement planning for many items now held up pending solution of these problems.

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- b Peacetime Arsenal Orders - Increase operation of Manufacturing Arsenals to economical capacities by orders pertaining to approved projects for rearmament and items critically short in War Reserve. The amounts recommended would enable the Ordnance Department to carry out the approved program for limited rearmament and a fraction of the recommended program for building up a reserve of antiaircraft materiel.
 - c Educational Orders. - Place as large a number of orders as possible with commercial firms for types of material which present special difficulties in manufacture. The materiel produced by these funds would apply toward filling deficits in the War Reserve and would correspondingly reduce the funds required for that specific purpose.
 - d Specifications, Inspection Gages, Drawings, Etc - Increase the technical and clerical force of the Office Chief of Ordnance enough to prepare and keep up to date basic data pertaining to items which would have to be produced in time of emergency. Present funds provide barely enough personnel for current peacetime needs.
 - e Descriptions of Manufacture - Expand activities now engaged in preparation of Descriptions of Manufacture.
 - f. District Activities. - Add to the civilian personnel of the 14 Procurement District Officers the necessary number of Industrial Engineers and Draftsmen and increase the number of clerks. Other than the Chiefs, the personnel at present consists of only 16 clerks. The increase would make possible reasonable progress in the preparation of Factory Plans. At present only a very few of such plans have been prepared since the cost of their preparation has necessarily been borne by the commercial firms themselves and hence progress has been entirely dependent upon their interest and patriotism.

3 War Reserve requires heavy initial outlay of funds and current expense for maintenance and renovation of perishable components. As a measure of preparedness it is weakened by obsolescence of types. It should be reduced to a minimum consistent with national safety. If the Ordnance Department Policy could be made effective it is estimated that the average rate of production in time of emergency would be advanced two months which would result in a reduction of several hundreds of millions of dollars in the requisite War Reserve.

CHIEF OF ORDNANCE

DISTRICT CHIEF

ADVISORY BOARD

ASSISTANT

Handwritten notes in a box, including "District Chief", "Assistant", "Production Section", "Manufacturing Divisions", "Small Arms", "Explosives", "Metal Components", "Ammunition", "Tractor", "Carrier", "Artillery", "Fire Control", "Seattle", "Portland", "San Francisco", "Los Angeles".

EXECUTIVE OFFICE
PROCUREMENT
FINANCE
CO-ORDINATION
METALLURGY
MACHINE TOOL
GASE

ADMINISTRATION

MANUFACTURING DIVISIONS
PRODUCTION SECTION

ARTILLERY
CARRIER
TRACTOR
FIRE CONTROL

AMMUNITION
METAL COMPONENTS
EXPLOSIVES

SMALL ARMS

MANUFACTURING ESTABLISHMENTS

SEATTLE

PORTLAND

SAN FRANCISCO

LOS ANGELES

02

PROCUREMENT PLANNING AUTHORIZATION

ITEM _____

P.M.I.L. No. _____

Mobilization Plan _____

Rearms in place of _____

Authority: A.G. _____ O.O. _____

Monthly Wastage Factors: Z. of I. _____ % T. of O. _____ %

Rates of Fire per gun per day: Z. of I. _____ T. of O. _____

Time Lag for Delivery to Troops: _____ days

Stock on Hand Considered: _____

REQUIREMENTS

MONTH REQUIRED	TOTAL MILITARY SUPPLY		PROCUREMENT		Remarks
	Monthly	Cumulative	Monthly	Cumulative	
M Day					
M / 1					
M / 2					
M / 3					
M / 4					
M / 5					
M / 6					
M / 7					
M / 8					
M / 9					
M / 10					
M / 11					
M / 12					
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M / 19					
M / 20					
M / 21					
M / 22					
M / 23					
M / 24					
M / 25					

The _____ Division, Manufacturing Service,
is authorized to place Accepted Schedules of Production based upon
the above Procurement Requirements.

Date. _____

By order of the Chief of Ordnance.

Original

Revision

_____, Ord. Dept.,
Chief, War Plans Division, General Office.