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Drawings illustrating field fortifications
of Revolutionary War period -

By: Thor Borresen

Colonial NHP

1938

Property of
National Park Service
Southeast Regional Office

DRAWINGS ILLUSTRATING FIELD FORTIFICATIONS
OF REVOLUTIONARY WAR PERIOD

by

Thor Borresen
Assistant Historical Technician

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10-23
(May 1929)

6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

----- NATIONAL PARK

FILE NO.

IMPORTANT

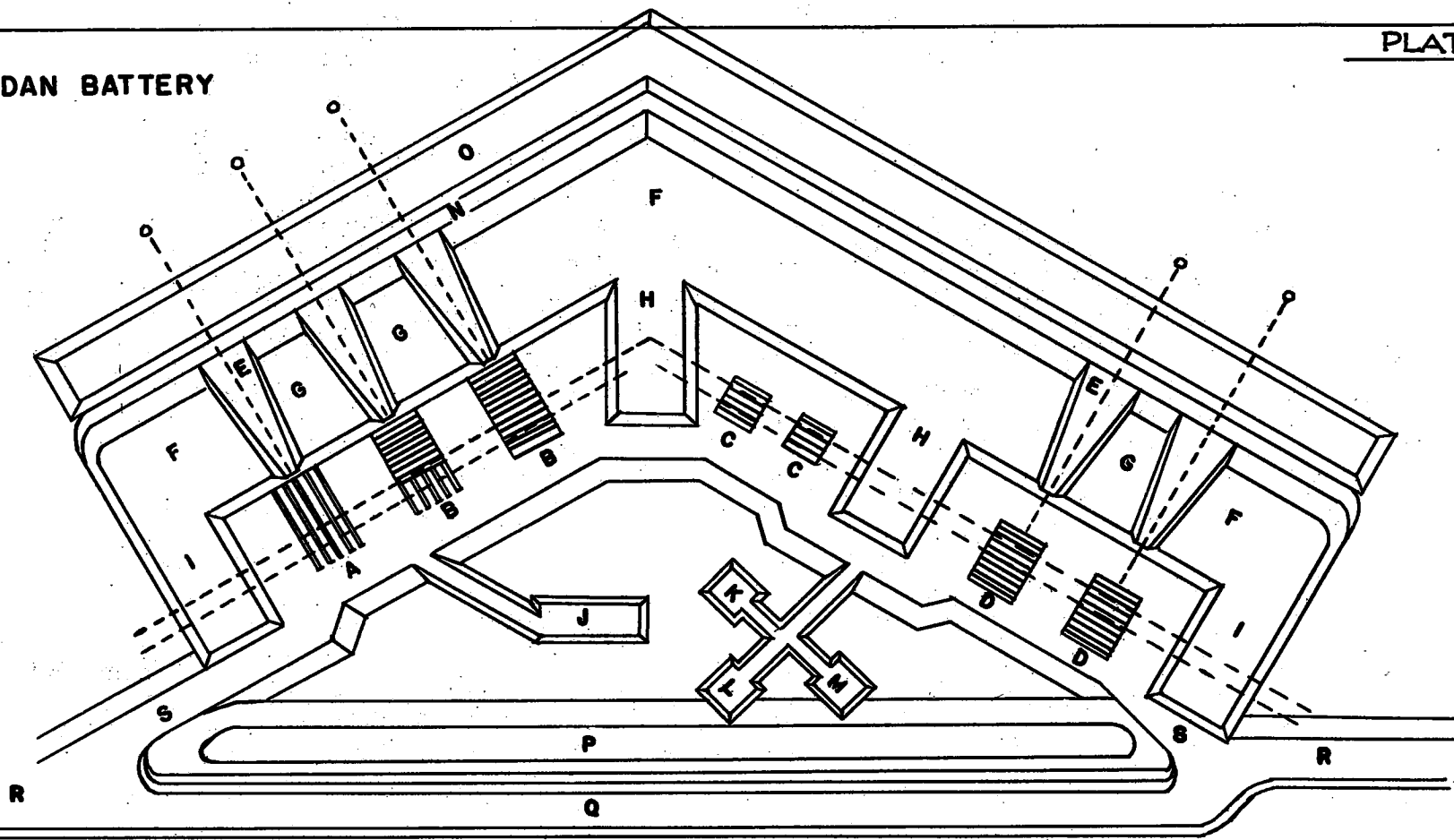
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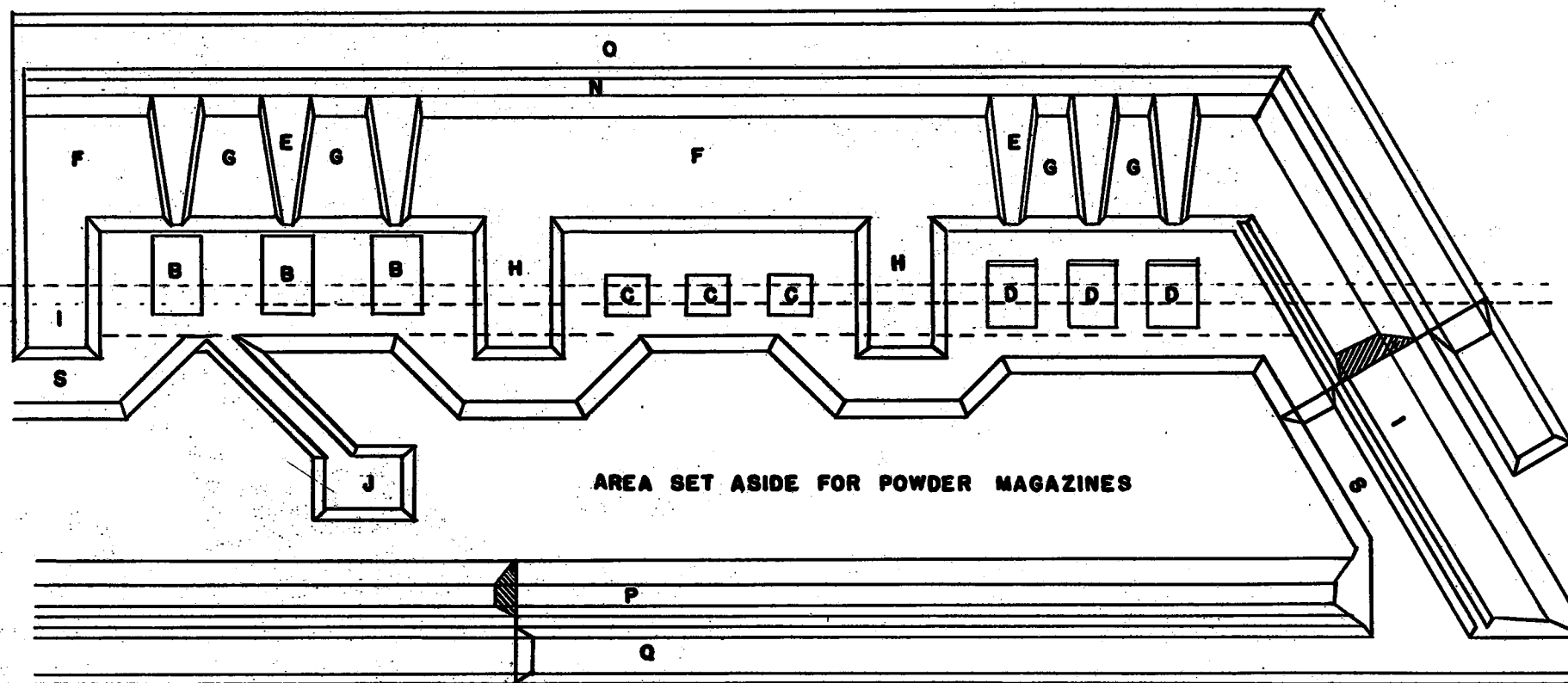
ARNO B. CAMMERER,
Director.

REDAN BATTERY

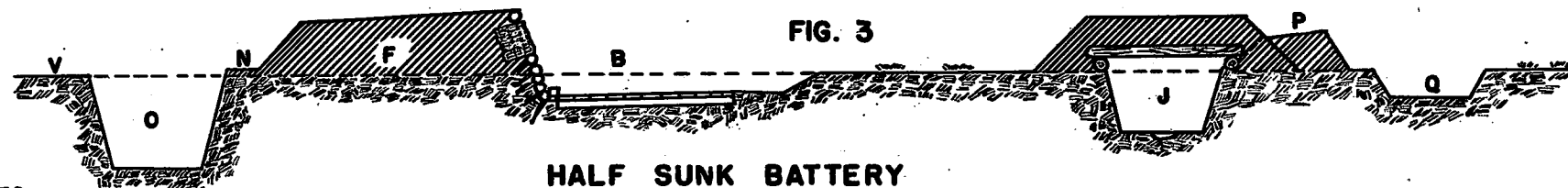
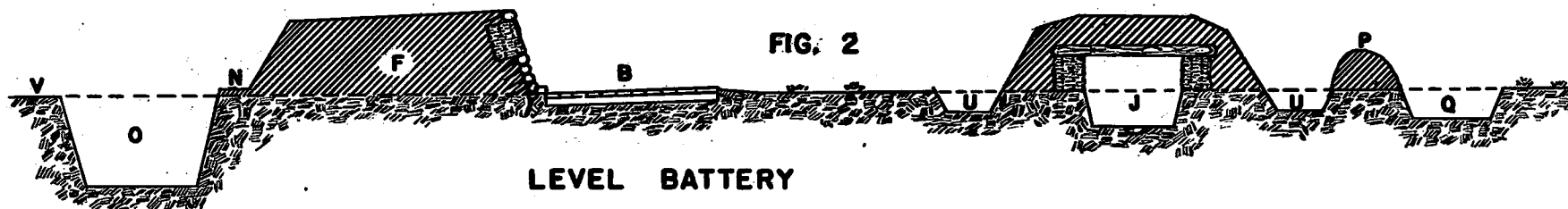
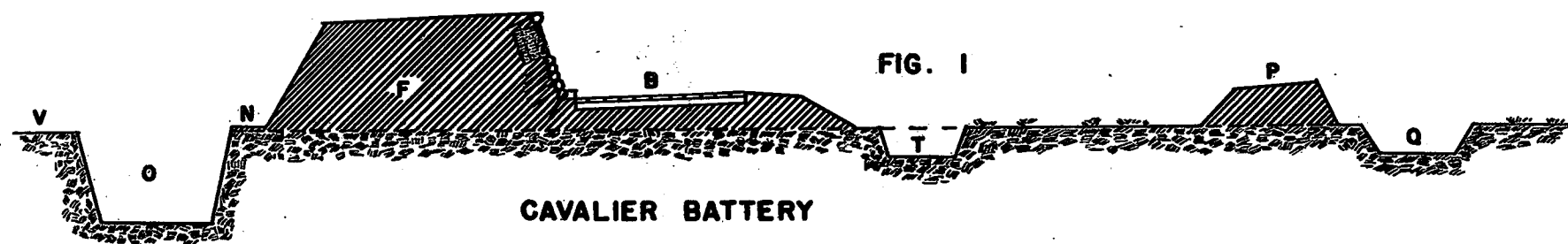
PLATE 1.



PARRALLEL BATTERY



AREA SET ASIDE FOR POWDER MAGAZINES



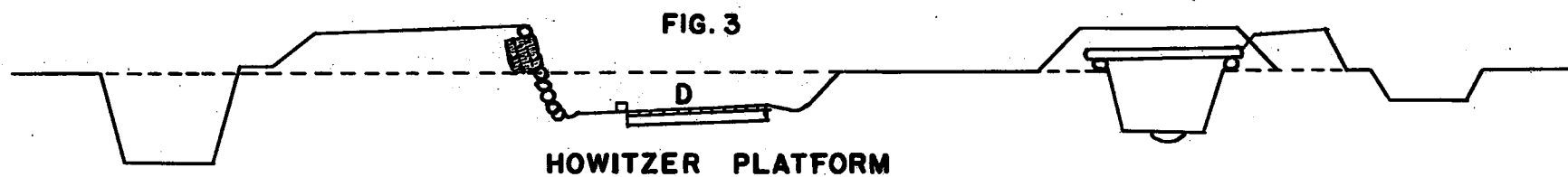
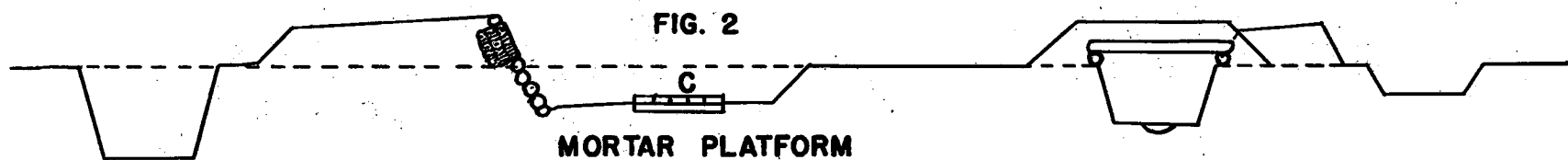
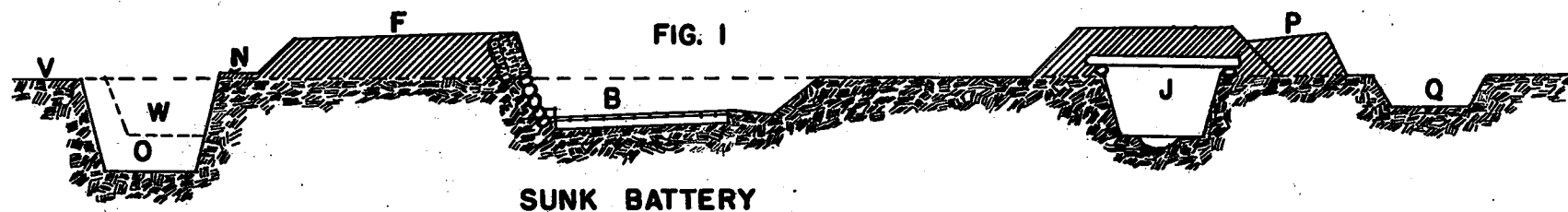


FIG. 1

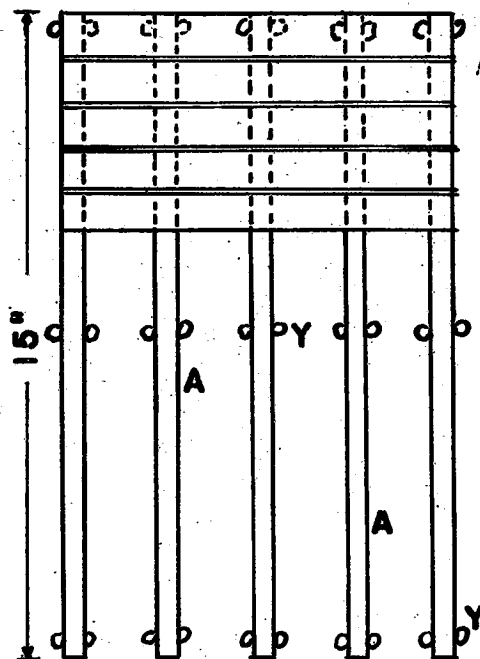
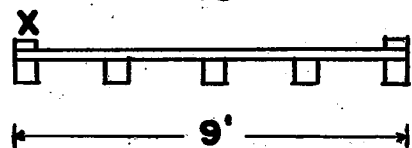


FIG. 2

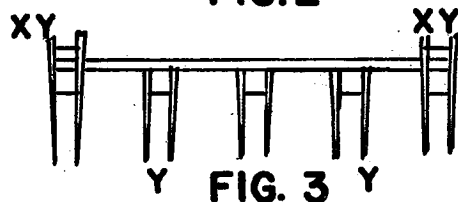
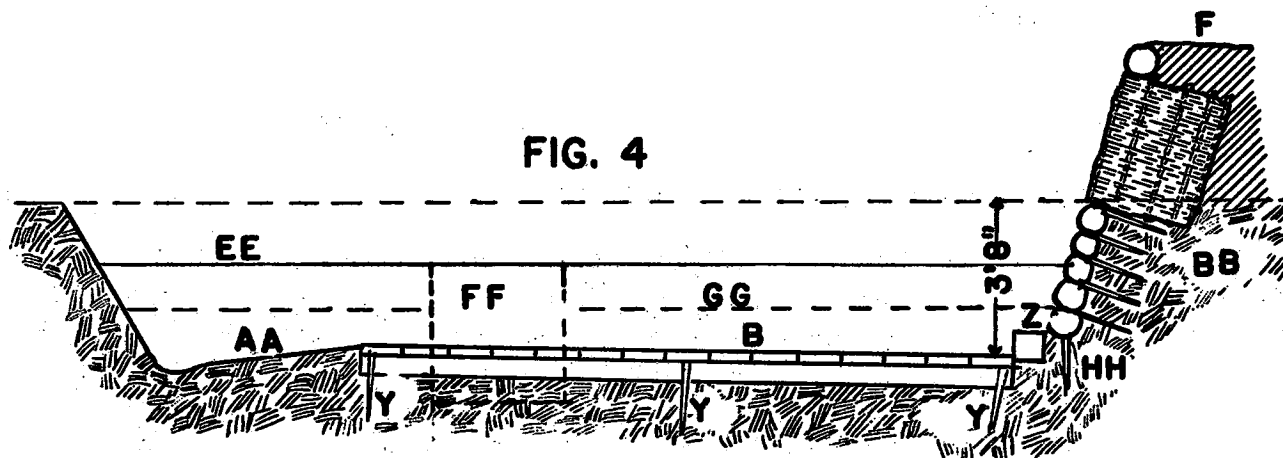


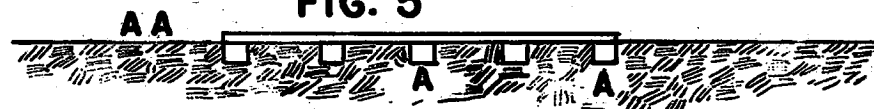
FIG. 3

FIG. 4



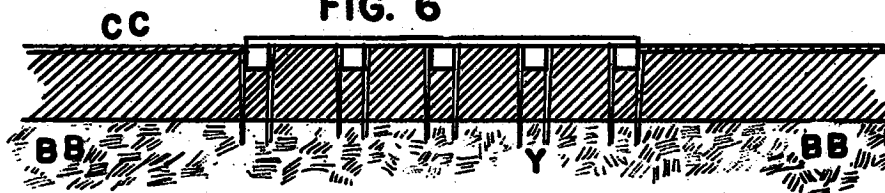
PLATFORM FOR CANNON

FIG. 5



CROSS SECTION OF PLATFORM

FIG. 6



PLATFORM LAID ON FILL

FIG. 1



9'

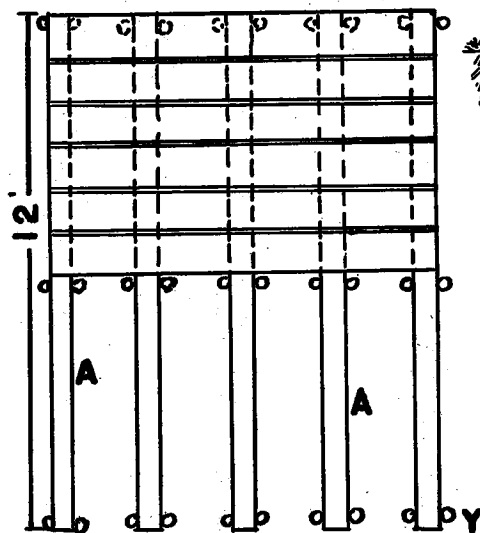


FIG. 2



FIG. 3

HOWITZER PLATFORM

FIG. 4

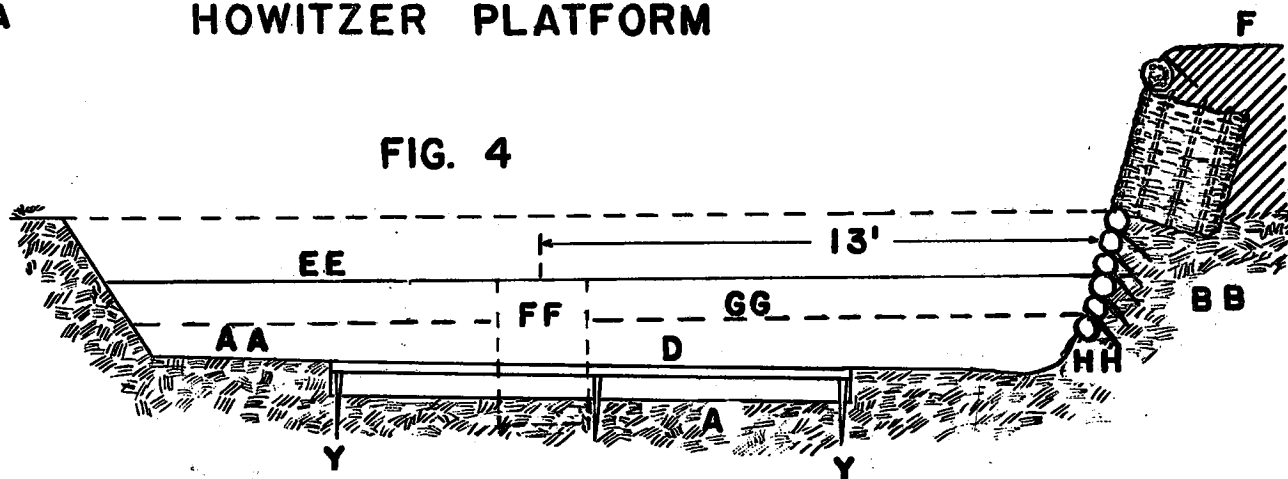


FIG. 5



CROSS SECTION OF PLATFORM

FIG. 6



PLATFORM PLACED ON FILL

SCALE 1/4"=1'

FIG. 1

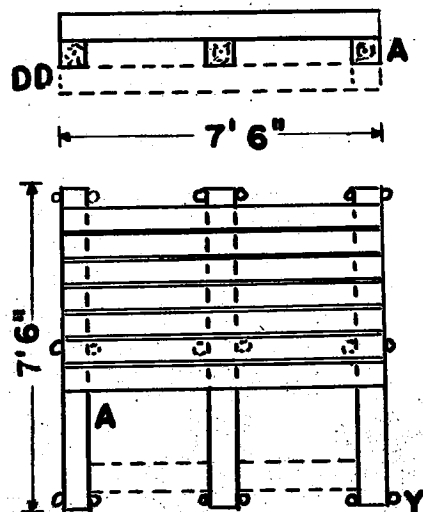


FIG. 2

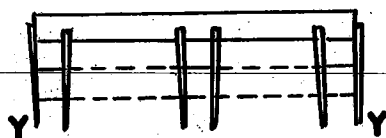


FIG. 3

MORTAR PLATFORM

FIG. 4

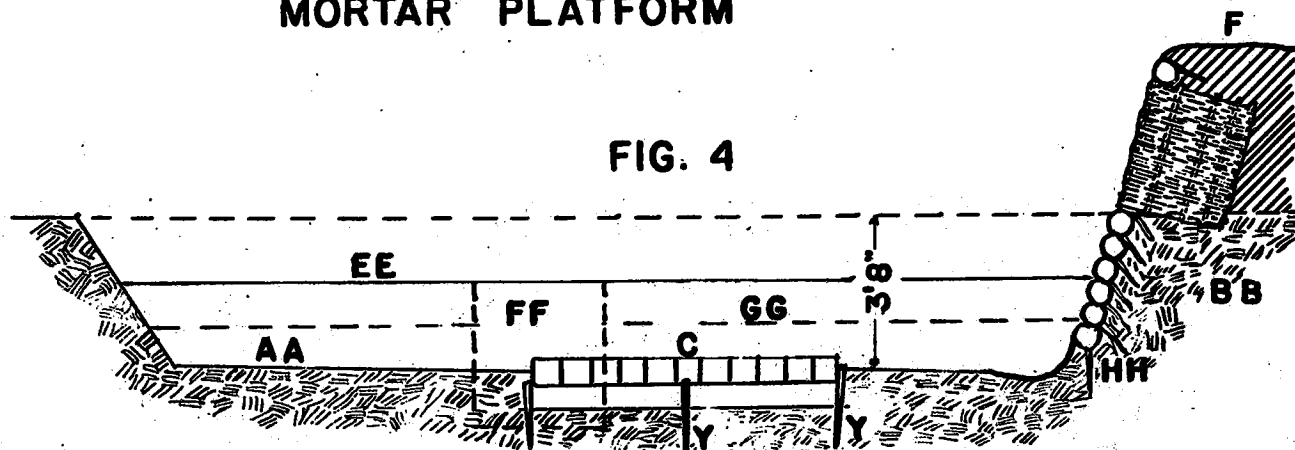
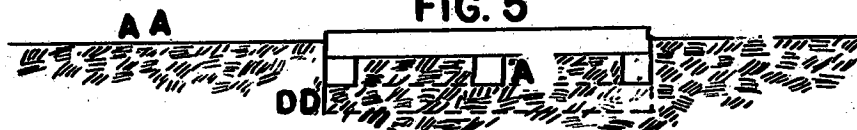
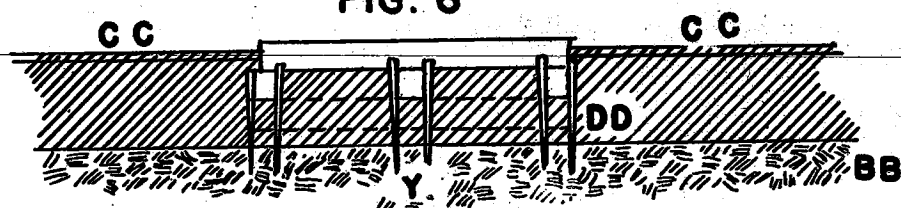


FIG. 5



CROSS SECTION OF PLATFORM

FIG. 6



PLATFORM PLACED ON FILL

TRAVERSE

PLATE 8.

FIG. 1

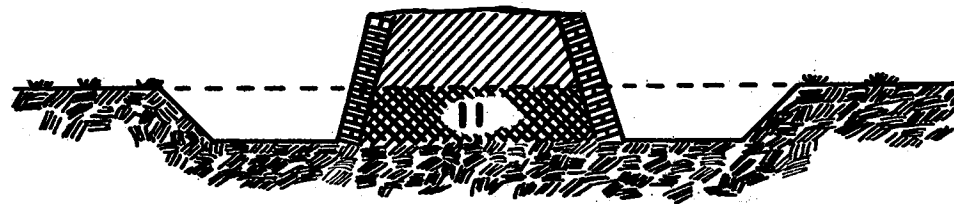


FIG. 2

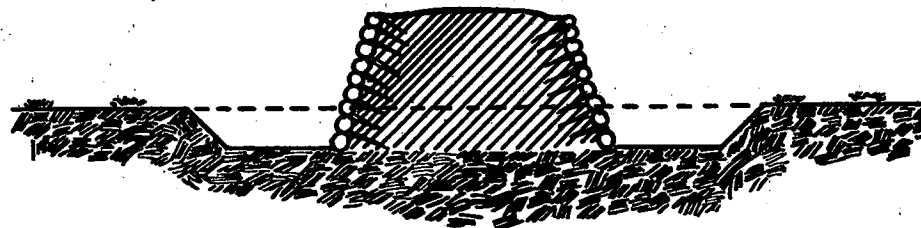
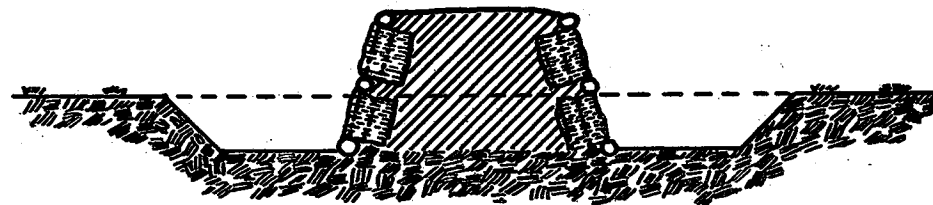


FIG. 3



4-TYPES OF POWDER MAGAZINES

FIG. 1

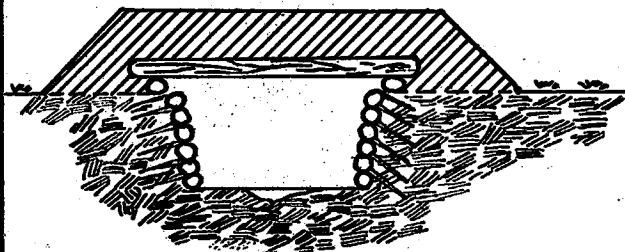


FIG. 2

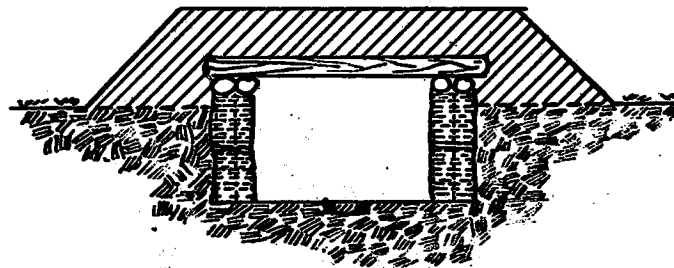


FIG. 3

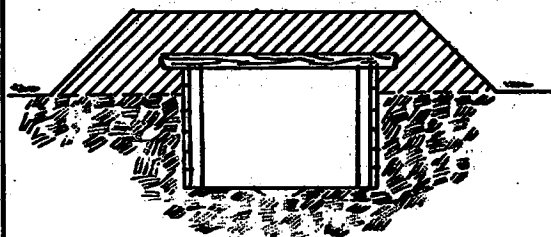


FIG. 4

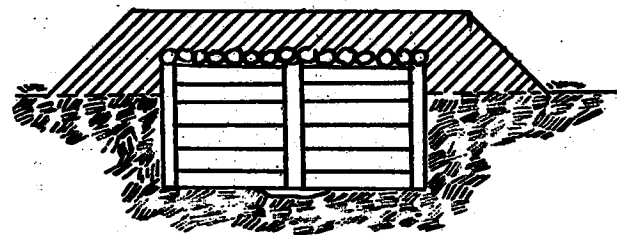


FIG. 5

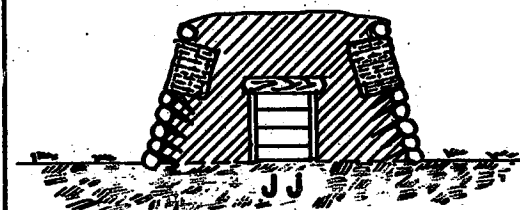


FIG. 6

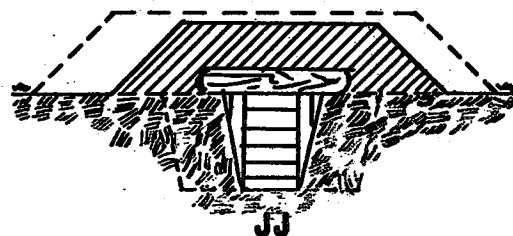
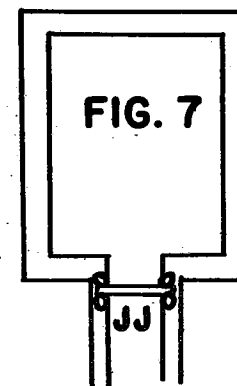
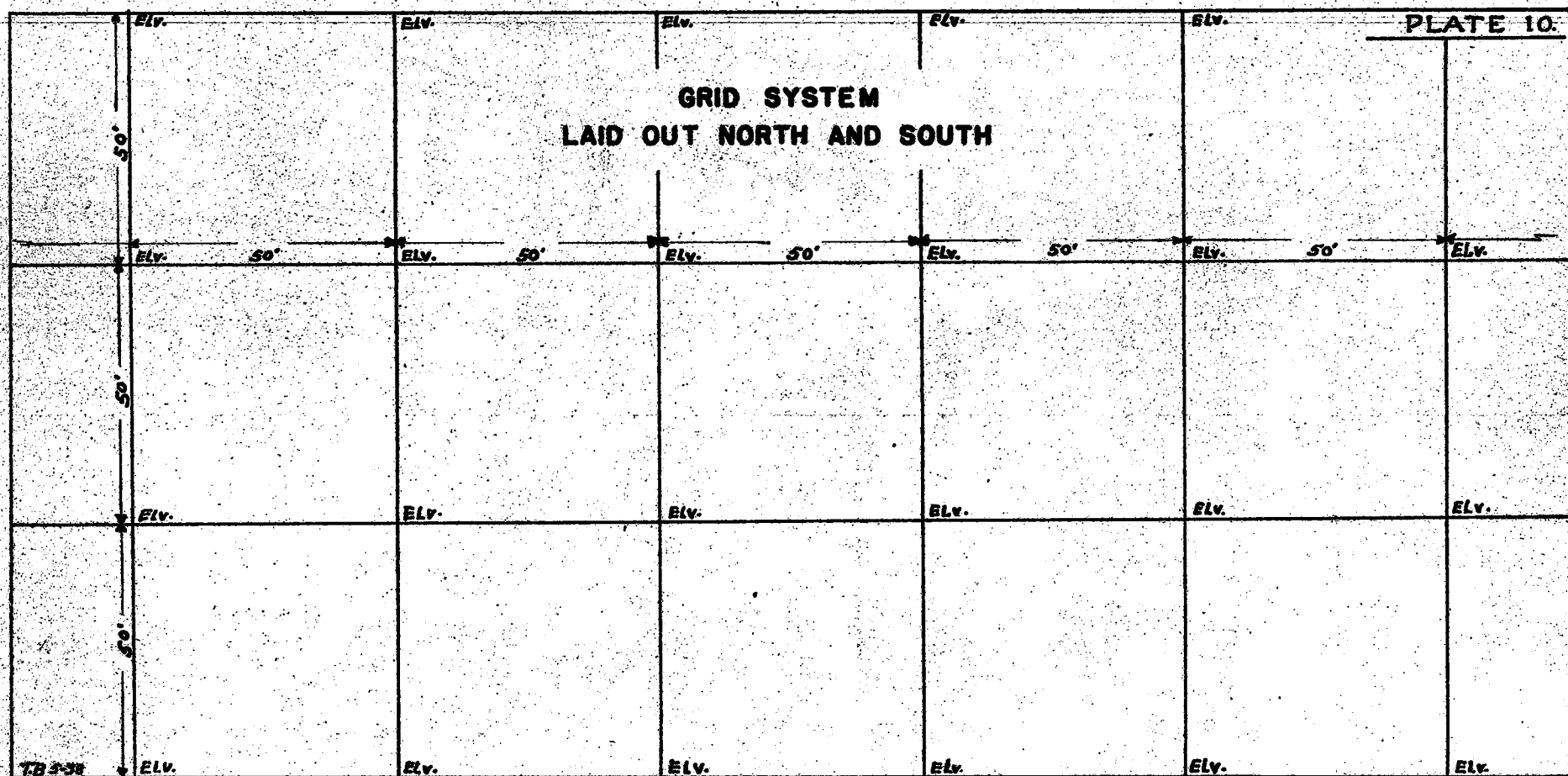
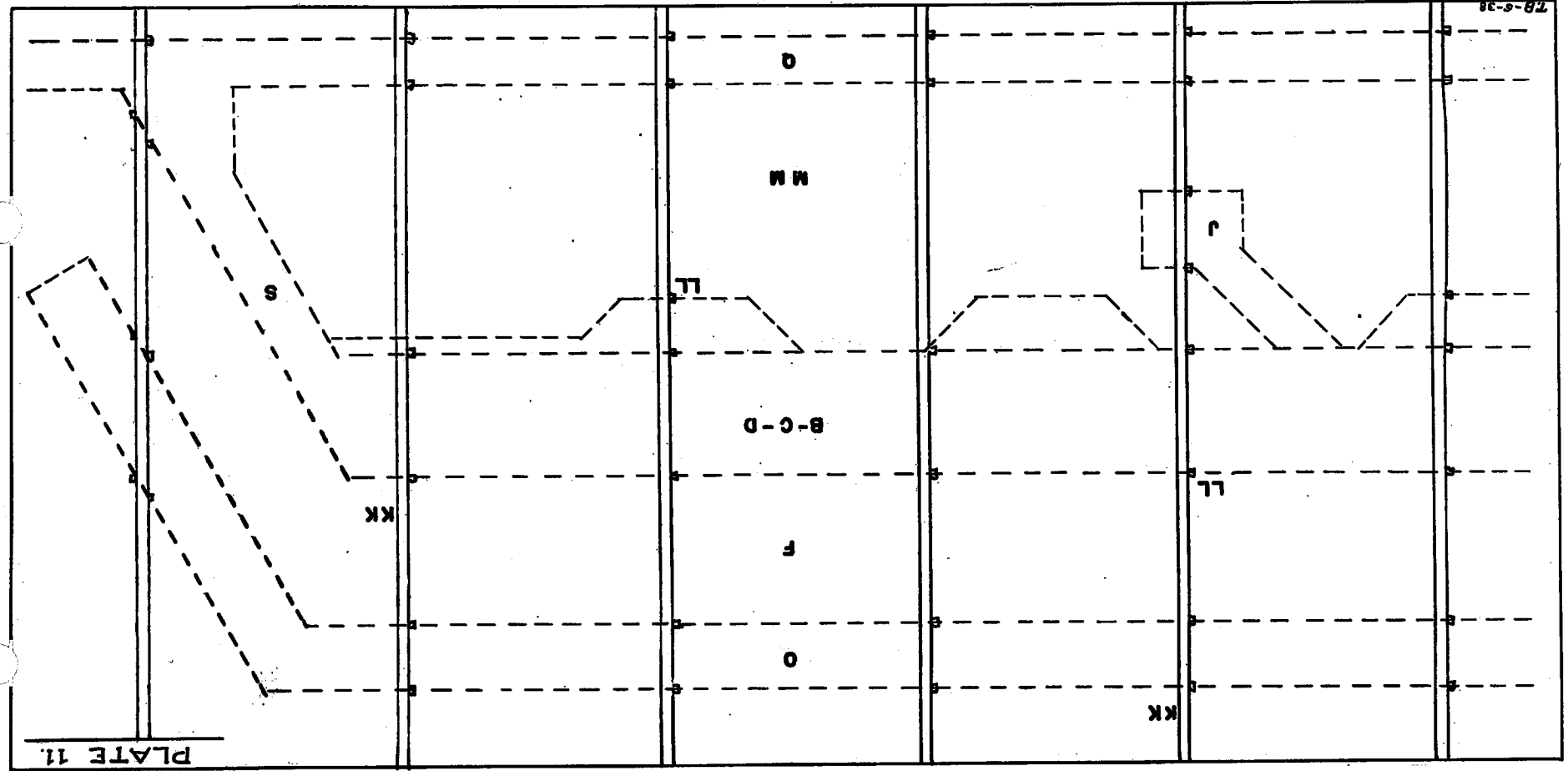
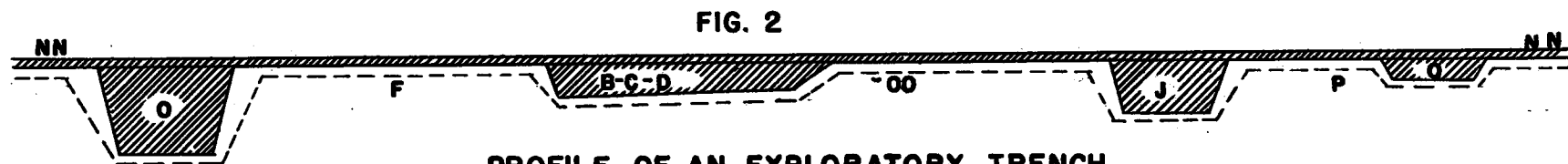
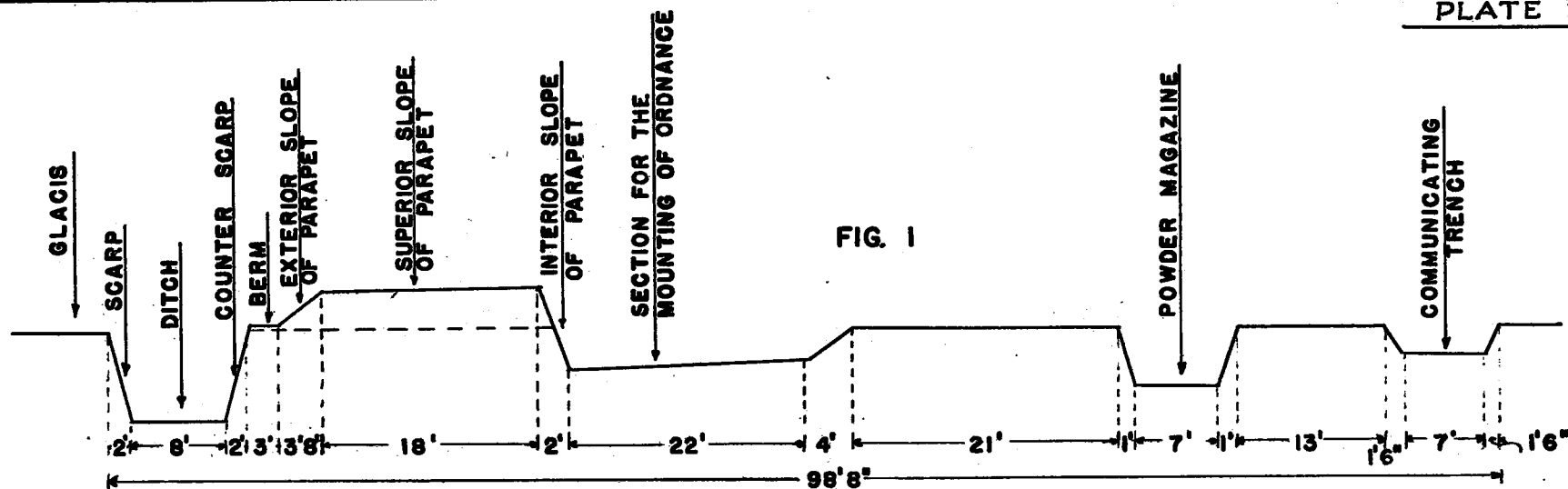


FIG. 7





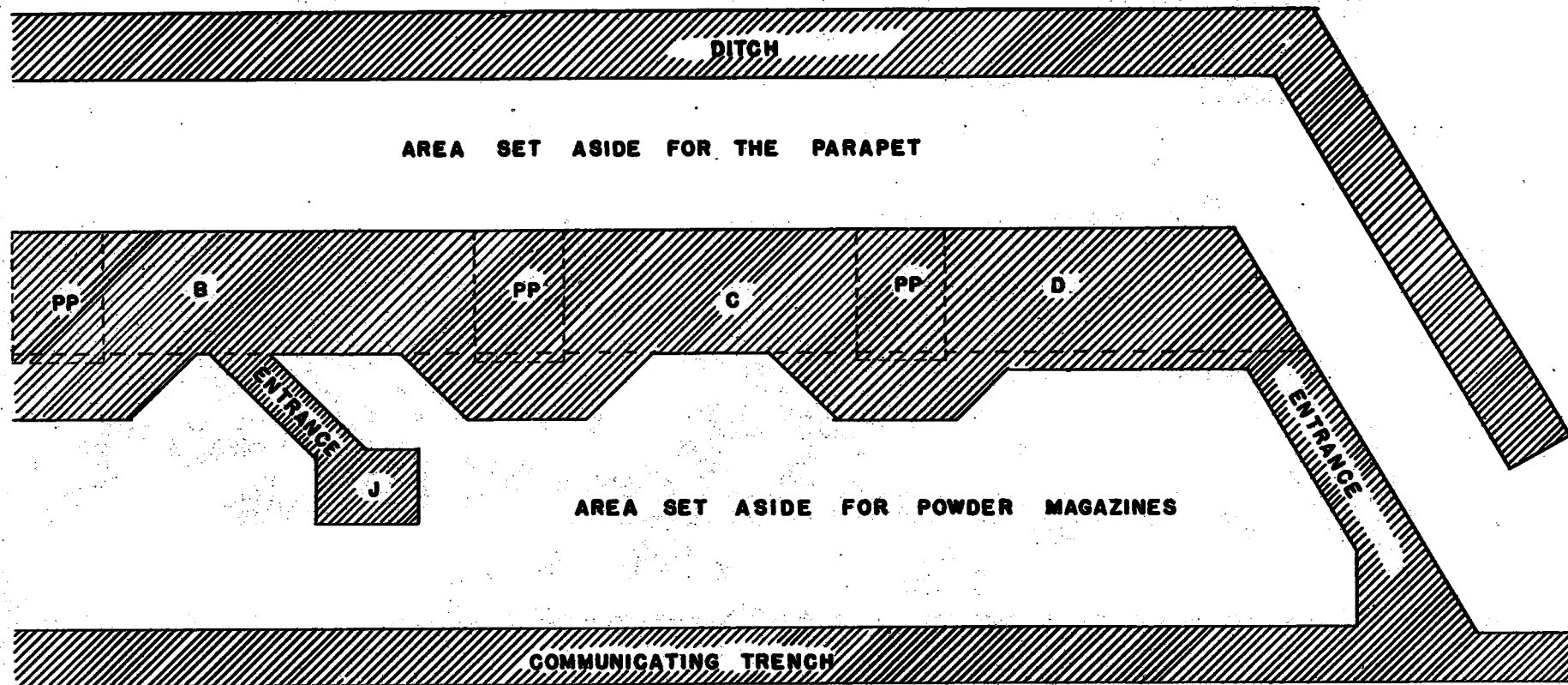




PROFILE OF AN EXPLORATORY TRENCH

OUTLINE OF A PARALLEL BATTERY

PLATE 13.



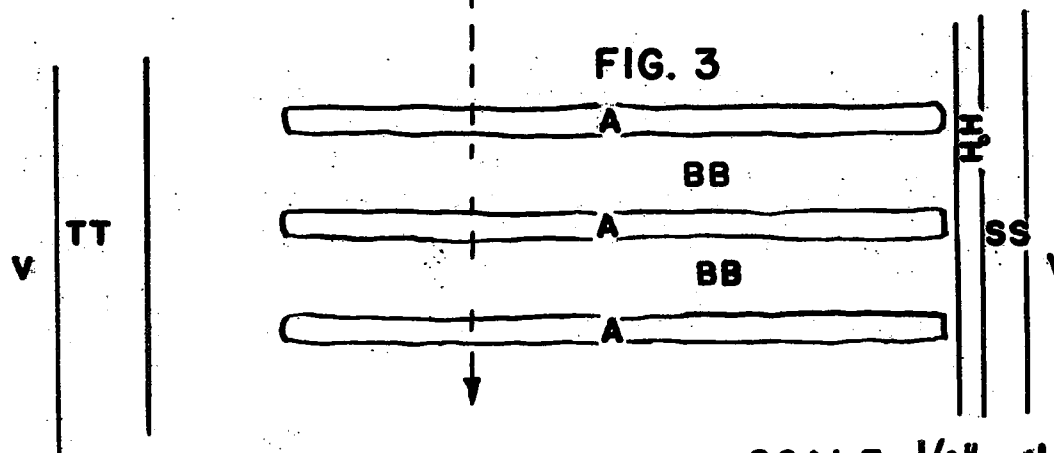
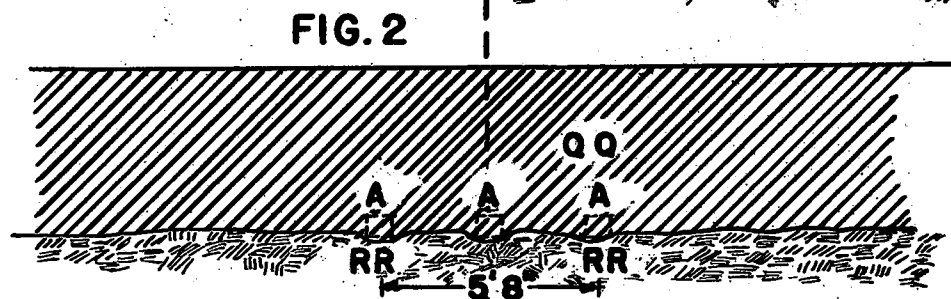
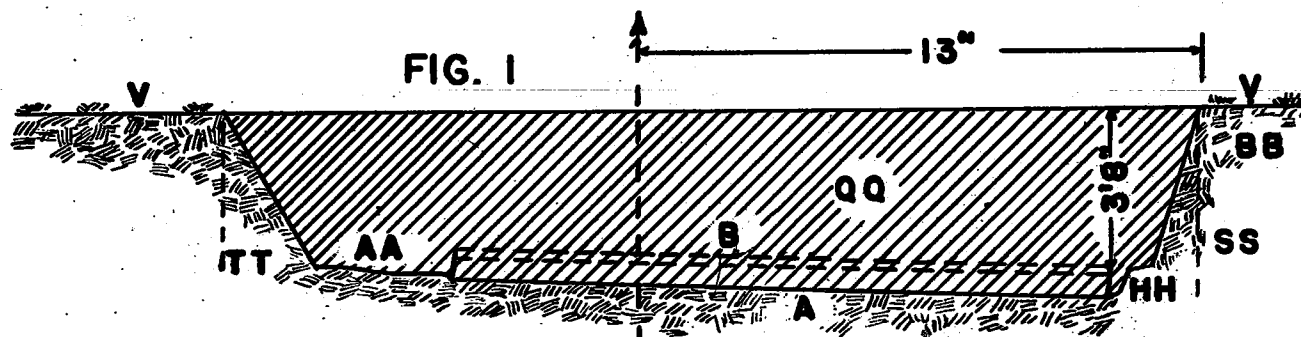


FIG. 1

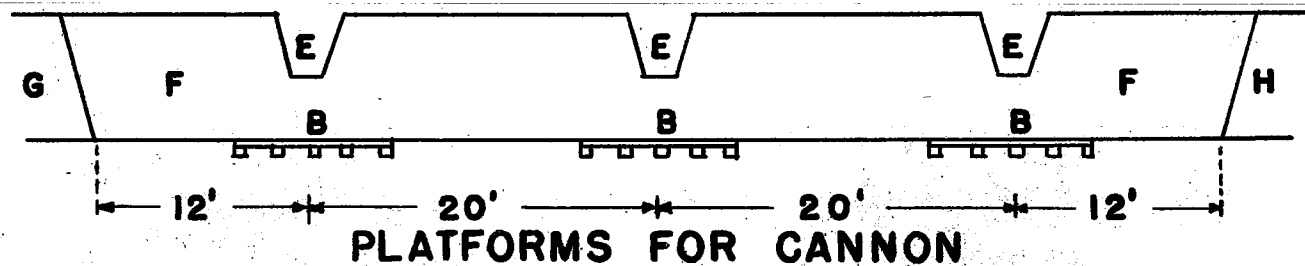


FIG. 2

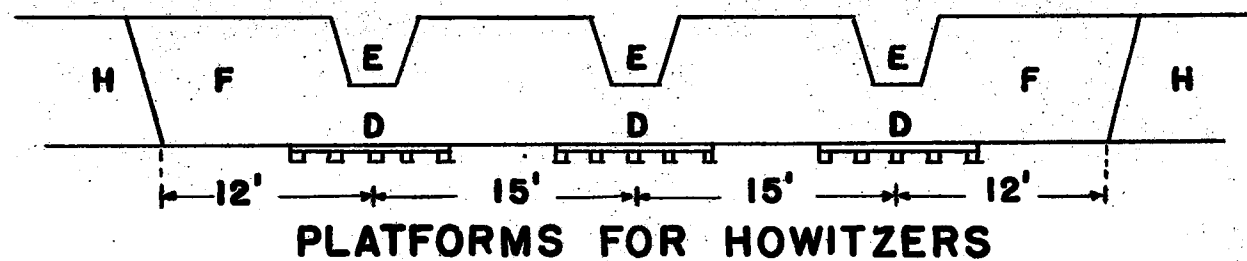
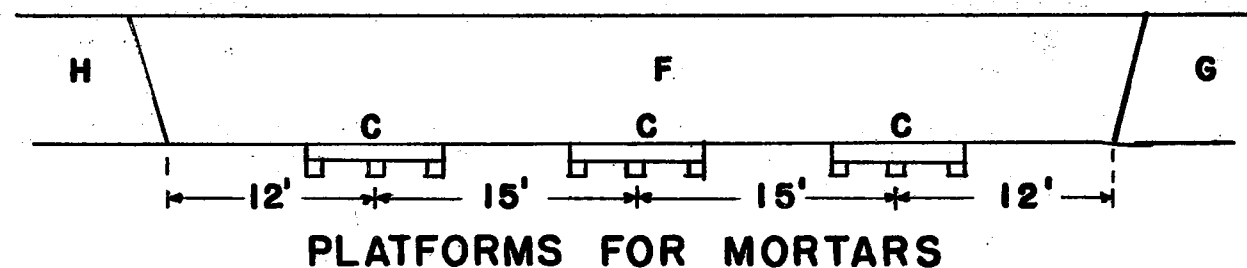


FIG. 3



REDOUBT NO. 9

FIG. 1

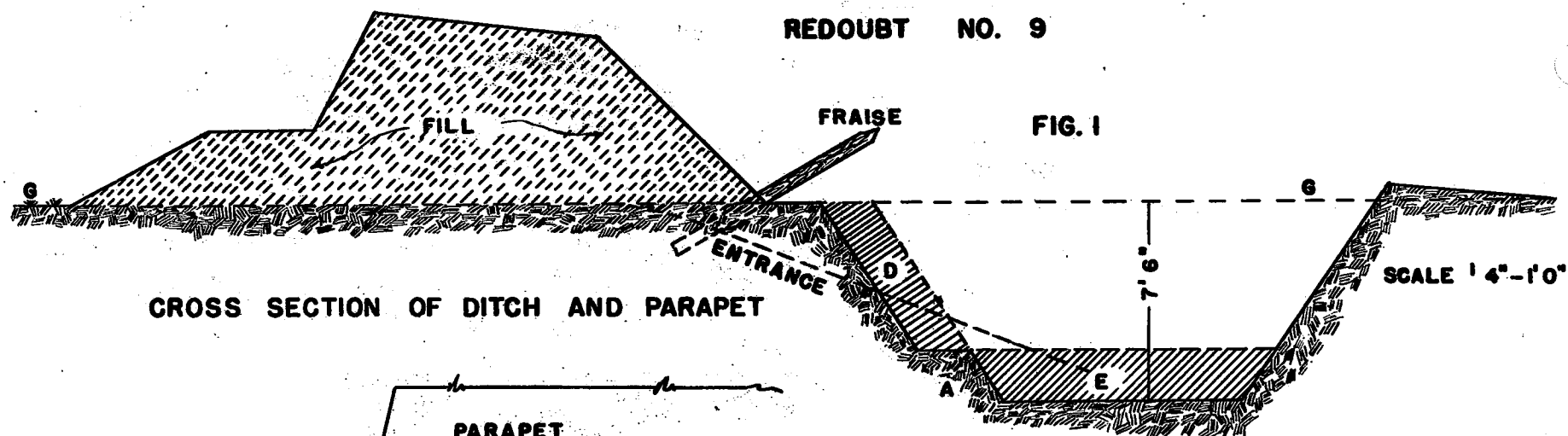
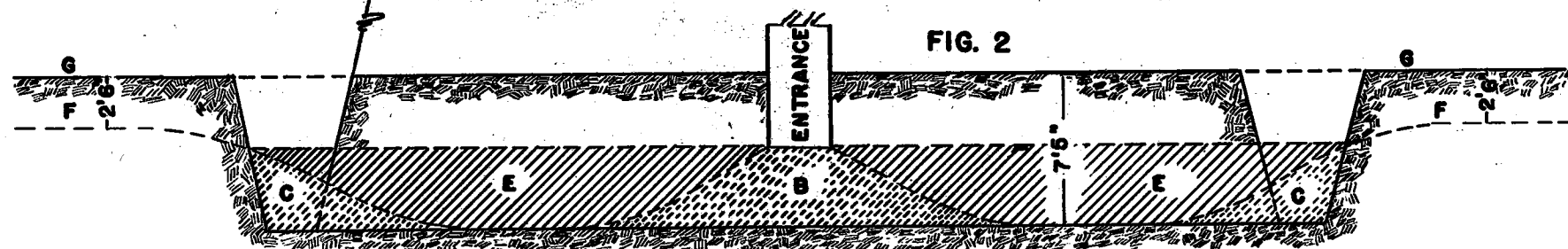


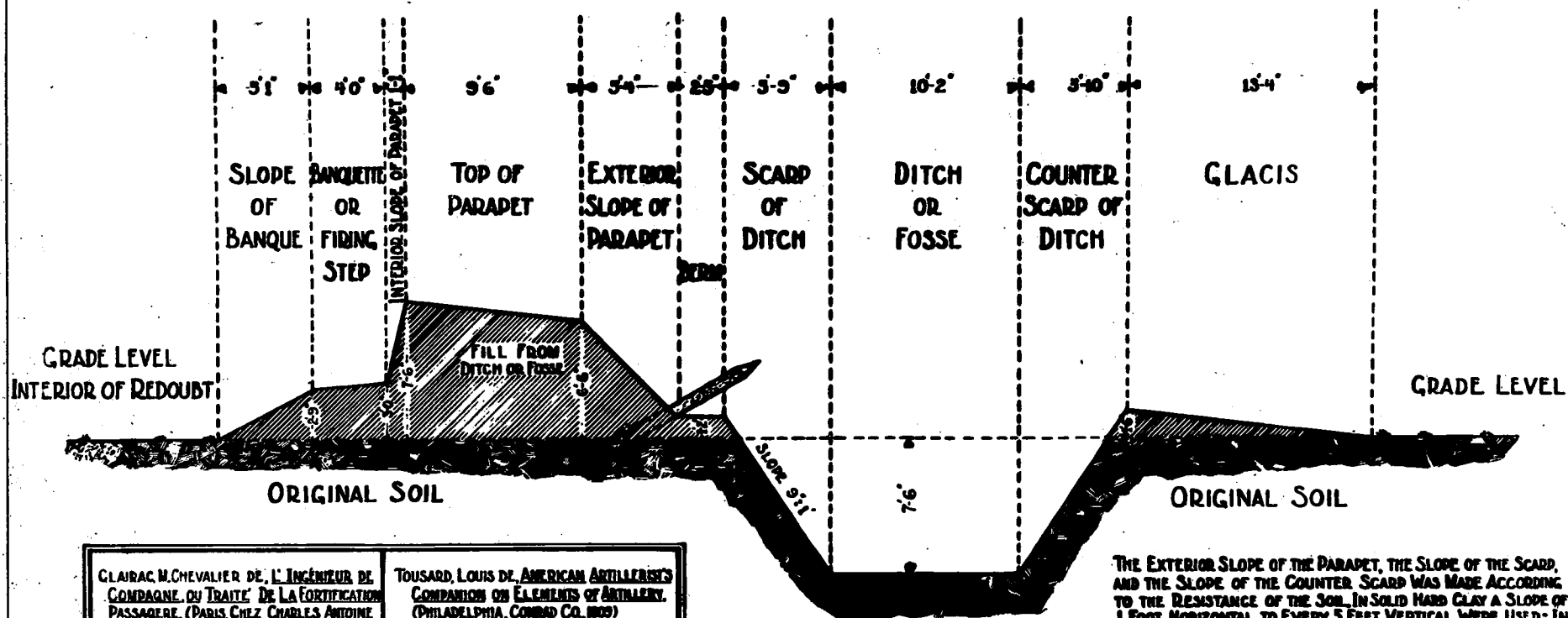
FIG. 2



VERTICAL SCALE 3 16"—1'0"

HORIZONTAL, NOT TO SCALE

TYPICAL CROSS SECTION OF A REDOUBT



CLAIRAC, M. CHEVALIER DE, L'INGÉNIEUR DE COMPAÑIE DU TRAITÉ DE LA FORTIFICATION PASSAGÈRE, (PARIS, CHEZ CHARLES ANTOINE JOMBERT, 1762), SECOND EDITION

TOUSARD, LOUIS DE, AMERICAN ARTILLERIES COMPANION OR ELEMENTS OF ARTILLERY, (PHILADELPHIA, CONRAD CO., 1809) 2 VOLUMES WITH ATLAS.

LOCHER, LOUIS, ELEMENTS OF FIELD FORTIFICATION, (PRINTED FOR THE AUTHOR SOLD BY T. CADELL, LONDON, 1783)

LALLEMAND, H., A TREATISE OF ARTILLERY, (NEW YORK, 1820) 2 VOLUMES

THE EXTERIOR SLOPE OF THE PARAPET, THE SLOPE OF THE SCARP, AND THE SLOPE OF THE COUNTER SCARP WAS MADE ACCORDING TO THE RESISTANCE OF THE SOIL. IN SOLID HARD CLAY A SLOPE OF 1 FOOT HORIZONTAL TO EVERY 5 FEET VERTICAL WERE USED; IN SANDY SOIL 1 FOOT HORIZONTAL TO EVERY 1 FOOT VERTICAL WERE USED; IN PERMANENT OR SEMI-PERMANENT FORTIFICATIONS A SLOPE OF $\frac{3}{4}$ TO 1 OR 1 TO 1 COVERED WITH A LAYER OF SOD WERE USED.

THE ABOVE NAMED BOOKS CONTAIN DATA PERTAINING TO REDOUBT CONSTRUCTION

10-23
(May 1929)

6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

----- NATIONAL PARK

FILE NO.

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National Park Service
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ARNO B. CAMMERER,
Director.