

**Primary Battery File**

**National Archives, Washington D.C.**

**Record Group 77**

**Correspondence of the Chief of Engineers**

**Entry 103**

**File, Fort, Battery:**

72968

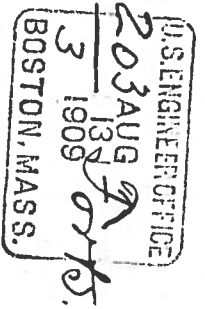
Ft. Andrews

Rebuild Btty Whitman

1909-15

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE  
BOSTON, MASS.

August 6, 1909.



The Chief of Engineers,  
United States Army,  
Washington, D. C.

Sir:

1. In accordance with instructions contained in paragraph 3 of the Department's indorsement of July 31, 1909, 68938/32, I have the honor to submit the following report upon the remodeling of Battery Frank Whitman, Fort Andrews, Mass., (8, 12" B.L.M.) with detailed plans, project and estimate covering the work.

2. Battery Frank Whitman is the older of the two mortar batteries at Fort Andrews, the other battery, Battery Cushing, being more modern and quite satisfactory in nearly every respect. Battery Whitman has small pits of the older type and a single powder room for the service of both pits. Shot storage is provided in the gallery leading from the powder room to the pits, this gallery being in bad condition as to waterproofing and providing, in its present condition, the longest possible route from the powder room to the pits. The alterations proposed in remodeling the battery are indicated on the accompanying blueprint showing the proposed changes. These changes include the enlargement of both pits to dimensions the same as adopted in the latest type plans for mortar batteries; cutting of new entrances into the pit from the shot gallery nearest the point of the powder room; cutting of a new door for more direct entrance to the present powder room and the re-arrangement of certain spaces on the opposite side of the gallery for use as an additional powder room. The enlargement of the two pits necessitates

the building of new retaining walls on three sides of the inside pit and on one side of the outside pit. This work can be accomplished at relatively small expense as the present slopes to these pits extend nearly to the platform level, and the existing retaining walls are scarcely more than concrete curbs. The estimated cost of the work in detail is as follows:

#### INSIDE PIT

##### Removing old concrete in

Retaining walls,	200 C.Y. @ \$2.50	\$ 500.00
Gun blocks and pavement,	460 " " @ 2.50	1150.00
Earth, etc.,	1200 " " @ .50	600.00

#### NEW WORK

Retaining walls, concrete,	550 C.Y. @ 6.00	3300.00
Gun blocks and pavement,	905 C.Y. @ 6.00	5430.00
Drainage,		865.00
Water supply,		200.00
		<u>\$12045.00</u>

#### OUTSIDE PIT.

##### Removing old concrete

Retaining walls,	70 C.Y. @ \$2.50	175.00
Gun blocks and pavement,	460 C.Y. @ 2.50	1150.00
Earth, etc.,	300 C.Y. @ .50	150.00

#### NEW WORK.

Retaining walls concrete,	260 C.Y. @ 6.00	1560.00
Gun blocks and pavement	805 C.Y. @ 6.00	4830.00
Drainage,		315.00
Water supply,		200.00
		<u>\$ 8380.00</u>

MAGAZINE.


Cutting doorways	26 C.Y. @ \$5.00	\$130.00
Partition walls,	28 C.Y. @ 6.00	168.00
Earth fill,	1560 C.Y. @ .33 1/3	520.00
Water-proofing,	280 sq.yds. @ \$ .50	140.00
Steel Doors, and trolleys		2000.00
New conduits and re-wiring		1000.00
		<u>3958.00</u>
		24383.00
Transportation and contingencies, 10%, say,		<u>2617.00</u>
Aggregate		\$27000.00

3. The battery in its remodeled form is shown on the accompanying blue-print entitled Proposed Enlargement of Pits, Battery Frank Whitman, on which is shown also the proposed arrangements for powder and shot storage. As a result of these changes, Battery Whitman will approximate in efficiency the mortar battery of the more modern type. The pits will be of the present standard size and ammunition storage and service will be greatly improved over present conditions.

4. The sum authorized by the Department's indorsement referred to above to be applied to this work is sufficient to accomplish about 30% of it, as nearly as can now be estimated. It is not sufficient, however, to complete the work in either pit and it does not seem desirable to undertake the work in either pit to the extent of removing the existing gun blocks until such time as sufficient funds are available for their replacement fairly promptly. It would therefore be proposed with the funds now available to remodel the magazines and build new retaining walls about both pits. The estimated cost of this work, omitting the outside steel doors and leaving the re-wiring of the battery until additional funds are available is \$6,793, and it is recommended that the funds now available be applied to the work just mentioned.

Very respectfully, your obedient servant,

2 b.p.in sep.roll.  
149 Forts.  
Dic.-IAK

  
Lieut.Col., Corps of Engineers.

OFFICE OF CHIEF OF ENGINEERS

72968  
WAR DEPARTMENT

P.

Boston, Mass.  
August 6, 1909.

B U R R,  
LT. COL. EDW.

In accordance with instructions contained in par. 3 of E.D. ind. of July 31, 1909 (68938/32) submits report upon the remodeling of Batty. Frank Whitman, Ft. Andrews, Mass., (8, 12" B.L.M.) with detailed plans, project and estimate covering the work, etc.

2 Inclos. E.D. (bpts.)

See 68938  
32

Inclos. 1 & 2 in Map Files 85, 185, 186, 8.

REC'D, BACK, OFFICE CHIEF OF ENGRS. AUG 16 1909

4 incos. 1 & 2 w/ copy.

A

1st indorsement.

WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ENGINEERS,  
WASHINGTON.

- August 11, 1909.
1. Respectfully returned to Lieutenant Colonel Burr, approved.
  2. The application of available funds as recommended in paragraph 4 within, is authorized. Further work should not be undertaken until new funds are available.

*Frederic V. Abbott*  
Acting Chief of Engineers.

72968  
Inclos. 1 and 2 in sep. roll.

2nd indorsement.  
U. S. ENGINEER OFFICE,  
Boston, Mass.,  
August 13, 1909.

Respectfully returned to the Chief of Engineers.

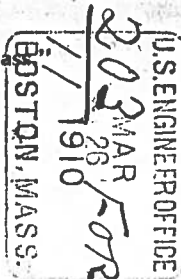
*Tim Burr*

Lieut. Col., Corps of Engineers.  
203/3 Forts.  
Inclos. 4 and 5 in sep. roll.

REC'D, OFFICE CHIEF OF ENGRS AUG 16 1909

All communications should be addressed to "The United States Engineer Officer, 25 Pemberton Square, Boston, Mass."

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE  
BOSTON, MASS.



March 4, 1910

The Chief of Engineers,  
United States Army,  
Washington, D. C.

Sir:

1. I have the honor to invite attention to the desirability of continuing the work in remodeling of Battery Frank Whitman, Fort Andrews, Mass. (eight 12-inch B.L.M.), when additional funds may be made available for that purpose, referring in this connection to my report of August 6, 1909 (E. D. 72968), on this subject.

2. With the allotments heretofore made for this work, and amounting to \$8,016.55, the remodeling was commenced during the last working season. The new entrances to the shot gallery from the two pits have been cut and the retaining wall in connection therewith has been built; the new retaining walls for the outside pit and nearly one-half of the same walls for the inside pit have been built; the shot gallery and magazine passage have been stripped and waterproofed and a portion of the earth covering has been replaced. The next work to be done must include the rebuilding of the gun blocks in at least one pit, together with the replacement of the drainage and conduit systems for the pit selected. It appears desirable for tactical reasons to commence this work upon the inside pit. To complete that pit as projected, including the necessary doors to protect the shot gallery against the weather, is estimated to cost \$12,000, and an allotment of that amount is requested to be given consideration when the general allotment of funds for forti-

-2-

fication work for the next fiscal year is made.

Very respectfully,

Your obedient servant,

*Truman B. ...*

Lieut.Col., Corps of Engineers.

Dic.JW

203 Forts..

OFFICE, CHIEF OF ENGINEERS  
MAR 29 1910  
WAR DEPARTMENT  
p

Boston, Mass.,  
Mar. 4, 1910.

BURR,  
LT. COL. EDW.

Invites attention to desirability of continuing the work in remodeling of Battery Frank Whitman, Fort Andrews, Mass., and requests that allot of \$12,000 be given consideration when the general allotment of funds for fortification work for the next f.y. is made.

*Added by Bookkeeper*

REC'D. BRONX OFFICE CHIEF OF ENGRS. MAR 28 1910

Mar. 9, 1910 - Letters to Major R. P. Howe, Major Patrick, Lt. Col. Rogers, Lt. Col. Truitt, Col. Russell, Capt. E. S. Brown, & Capt. Ferguson.

1st indorsement.  
WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ENGINEERS,  
WASHINGTON.

March 24, 1910.

1. Respectfully returned to Lieutenant Colonel Burr, approved.
2. In order that no time may be lost after opening of the working season, the sum of \$12,000 has been withdrawn from other districts, and this amount (\$12,000) is hereby allotted for the within-described work, from the appropriation for "Preservation and Repair of Fortifications," Act of March 3, 1909.

*Frederic V. Allen*  
Acting Chief of Engineers.

72968/3

2nd indorsement.  
U. S. ENGINEER OFFICE,  
Boston, Mass.

March 26, 1910.

Respectfully returned to the Chief of Engineers.

*Frederic V. Allen*  
Lieut. Col., Corps of Engineers.

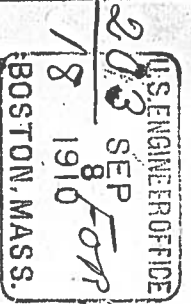
203/11 Forts.

REC'D. OFFICE CHIEF OF ENGRS. MAR 28 1910



All communications should be addressed to "The United States Engineer Officer, 25 Pemberton Square, Boston, Mass."

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE  
BOSTON. MASS.



August 31, 1910.

The Chief of Engineers,  
United States Army,  
Washington, D.C.

Sir:

72968/11  
Referring to my letter of the 19th instant (77277), the work on pit B of Battery Whitman, has now proceeded to a point where it will be necessary to lay off the carpenters and suspend work on the gun plugs unless decision on the question raised in my letter of the 19th, above cited, is reached. I have therefore the honor to request that the question be decided at the earliest practicable moment and that I be advised by telegraph of your decision.

Very respectfully,

Your obedient servant,

*Frederic V. Allen*  
Colonel, Corps of Engineers.

Dic. TEJ/IAK  
8/54 Forts

Office of Chief of Ord.

WAR DEPARTMENT

SEP 21 1910

WARD DEPARTMENT

Boston,  
Aug. 31, 1910.

REPRODUCED AT THE NATIONAL ARCHIVES  
A. F. V.  
COL. F. V.

requests to be informed by tele-  
graph of decision reached on question  
raised in his letter of 19th inst.

SEP 21 1910

SEP 21 1910

SEP 21 1910

1st indorsement.

FWB-PJS

WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ENGINEERS,  
WASHINGTON.

September 2, 1910.

1. Respectfully referred to the Chief of Ordnance, U. S. Army, in connection with Colonel Frederic V. Abbott's letter of August 19, 1910, referred to within, which was referred to the Chief of Ordnance on August 23. X
2. In view of the statement within, it appears that the necessity for a decision in the matter is urgent on account of the status of the Engineer work now in progress at Battery Whitman.

*W. S. Army*

Chief of Engineers, U. S. Army.

72968/17

X See 31182-370

31182-370

Rq

2nd Endorsement.

WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ORDNANCE,  
Washington, Sept. 6, 1910.

1. Respectfully returned to the Chief of Engineers with the information that the letter from Col. Frederic V. Abbott dated Aug. 19, 1910, (O.O. 51182-370) was forwarded to the Armament Officer of the Northern District for report in regard to the practicability of carrying out the plan proposed. Answer has now been received.
2. To use the base rings from Pit B, Battery Whitman, and the remainder of the carriages from Pit A, Battery Whitman, would involve the fitting of the receivers, traversing mechanism and traversing brake and the erection of each carriage for as much of a shop test as could be given at the fortifications, since, in the older types of carriages, interchangeability of parts cannot be relied upon. The proposed change would consequently cause a very considerable delay in the date of shipment and a very considerable expense for additional work, and it is consequently believed that it would be more advantageous to the United States under the

existing circumstances to ship the carriages from Pit A, complete, and to install the carriages from Pit B, complete, either in that pit or in Pit A. If the latter pit is to be re-modeled it is suggested that the old type carriages be re-mounted in Pit B, leaving the new type carriages (model of 1908) to be installed in Pit A when the latter pit shall have been modified and the carriages shall have been completed. It will probably be at least one year from date before the model of 1908 carriages will be available for such use.

Major Ord. Det., U. S. A.,  
Acting Chief of Ordnance.

RECD, OFFICE CHIEF OF ENGRS. SEP 7 1910

an allotment of the amount for this purpose is requested.

*Frederic V. Abbot*  
Colonel, Corps of Engineers.

203/18 Forts. Dic.TEJ/MMW

REC'D, OFFICE CHIEF OF ENGRS. SEP 14 1910

WHB-LHV

5th indorsement.  
WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ENGINEERS,  
WASHINGTON.

September 19, 1910.

1. Respectfully returned to Colonel Abbot, approved as recommended in the preceding indorsement.
2. For the removal of the base rings from Pit A, the sum of \$400 is hereby allotted from the appropriation for "Preservation and Repair of Fortifications", act of June 23, 1910.

By command of the Chief of Engineers:

*W. D. Laddie*  
Major, Corps of Engineers.

72968/17

SEP 21 1910

6th indorsement.  
U. S. ENGINEER OFFICE,  
Boston, Mass.

September 21, 1910.

Respectfully returned to the Chief of Engineers.

For, and in the absence of, Col. Frederic V. Abbot, Corps of Engineers,

*W. D. Laddie*  
Chief Clerk.

203/18 Forts

REC'D, OFFICE CHIEF OF ENGRS. SEP 23 1910

All communications should be addressed to "The United States Engineer Officer, 25 Pemberton Square, Boston, Mass."

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE  
BOSTON, MASS.

September 6, 1910.

The Chief of Engineers,  
U. S. Army,  
Washington, D. C.

Sir:

1. I have the honor to confirm telegram of this date, as follows:

Boston, Mass., September 6, 1910.

Chief of Engineers, Army,  
Washington, D. C.

Removal of base rings from pit A, Whitman, and installing in same  
pit base rings from B will cost two thousand dollars.

Official business, Govt. rate.  
Charge U. S. Engineer Office, Boston, Mass.

JANSEN  
CHIEF CLERK.

2. In this connection I may say that it is learned informally by telephone from Watertown Arsenal that their instructions are to send the base rings of Pit B with the carriages from Pit A, and that they will probably begin work within a day or two in carrying out these instructions, it being their intention to set up the base rings on blocking and test the racers as to whether they will fit.

For, and in the absence of, Col. Frederic V. Abbot, Corps of Engineers:

Very respectfully,

Your obedient servant,

  
Chief Clerk.

TEJ-THP.

OFFICE, CHIEF OF ENGINEERS

SEP 19 72968  
WAR DEPARTMENT

Boston,  
Sep. 6, 1910.

Abbot,  
Col. Frederic A.  
(per Chief Clerk)

Confirming telegram of Sep. 6th,  
states it is learned, informally, by  
telephone from Watertown Arsenal that  
their instructions are to send the base  
rings of Pit B with the carriages from  
Pit A.

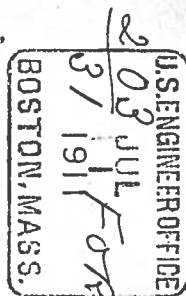
put ✓

3

All communications should be addressed to "The United States Engineer Officer, 25 Pemberton Square, Boston, Mass."

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE  
BOSTON, MASS.

June 21, 1911.



The Chief of Engineers,  
United States Army,  
Washington, D.C.

Sir:

Referring to E.D. indorsement of September 7, 1910 (72968/17), in which it is contemplated to install model 1908 carriages in Pit A, Battery Whitman, for which an allotment for modernizing of \$10,000 was made May 24, 1911, I have the honor to inquire whether it is safe to proceed with the purchase of the anchor bolts for these carriages at this time. This question is asked because of an impression I have that some changes are likely to occur in the 1908 carriage as a result of some tests that have been made at Sandy Hook or elsewhere.

Very respectfully,

Your obedient servant,

*Frederic V. Allen*  
Colonel, Corps of Engineers.

Dic.TEJ/IAK  
203 Forts

OFFICE, CHIEF OF ENGINEERS

72968

JGS.

WAR DEPARTMENT

Boston, Mass.  
June 21, 1911.

not, Col. F. V.

OFFICE OF CHIEF OF ORD.

WAR DEPARTMENT

Relative purchase of  
bolts, etc.

REPRODUCED AT THE NATIONAL ARCHIVES

HEAD, BAKK, OFFICE CHIEF OF ENGRS.

JUL 5 1911

HEAD, BAKK, OFFICE CHIEF OF ENGRS. JUN 29 1911

29386/928

1st indorsement.

FWB-CTF

WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ENGINEERS,  
WASHINGTON.

June 24, 1911

Respectfully transmitted to the  
Chief of Ordnance, with request  
for information whether any changes  
are contemplated in the Model-1908  
mortar carriage from the details  
shown on drawing C.12, Div. 14, Drg. 1,  
furnished by the Chief of Ordnance  
to this office on September 18,  
1908, which would affect the size  
or location of the anchor bolts.

*Travis B. Brown*  
Acting Chief of Engineers.

72968/20

29386/928

HKE

2nd Indorsement.

WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ORDNANCE,  
Washington, June 28, 1911.

1. Respectfully returned to  
the Chief of Engineers, U.S. Army,  
with the information that no  
changes are contemplated in the  
12-inch mortar carriage, model  
of 1908, which would affect the  
size or location of the holding-  
down bolts.

*Geo. S. Thompson*  
Lt. Col., Ord. Dept., U.S.A.,  
Acting Chief of Ordnance.

HEAD, OFFICE CHIEF OF ENGRS. JUN 29 1911

3d indorsement. FWB-FJV

WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ENGINEERS,  
WASHINGTON.

June 30, 1911.

Respectfully returned to Colonel  
Abbot, inviting attention to the pre-  
ceding indorsement.

*Travis B. Brown*  
Acting Chief of Engineers.

72968/20

4th indorsement  
U.S. ENGINEER OFFICE,  
Boston, Mass.  
July 3, 1911.  
Respectfully returned to the  
Chief of Engineers.

*William V. Allen*  
Colonel, Corps of Engineers,  
203/31 Forts

HEAD, OFFICE CHIEF OF ENGRS. JUL 5 1911

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE  
BOSTON, MASS.

September 21, 1912.

From: The U.S. Engineer Officer,  
Boston, Mass.

To: The Chief of Engineers, U.S. Army,  
Washington, D.C.

Subject: Delivery tables for shell rooms.

1. The completion of Battery Whitman, Fort Andrews, so far as concrete work is concerned, brings up the necessity at this time of installing the delivery tables for the shell rooms. The standard plans for such delivery tables devised by The Board of Engineers and covered by their report of April 16, 1906, Supplement to Mimeograph No. 27, provides for the case where the magazines have swinging doors. As Battery Whitman has rolling doors, it seemed that a cheaper device was possible, and the blue print inclosed herewith shows the type that I would recommend for adoption in this battery. The portion that remains permanently in position outside of the rolling doors contains the escapement, which is in all respects the same as the standard design, but all lying within the doors is wooden framework, and the space between the wooden framework and the iron exterior portion is bridged by oak rails hinged to the wooden portion in such a way that when this bridge is turned up and back it will of itself act as a stop, preventing projectiles on the main body of the table from rolling to the front where they will interfere with the action of the door in closing.

2. The receiving tables for this battery are covered by an item of \$2,000 in the Fortification Estimate Data Sheets, that figure being based on the steel construction throughout, as contained in Supplement to Mimeograph No. 27. I estimate that the new plan herewith transmitted can be installed complete for the sum of \$1,200. I already have bids on the steel work for the four outer ends aggregating only \$320. If an allotment of \$1,200 can be made from some funds in the hands of the Chief of Engineers, it is recommended that it be made. If not, I request authority to construct these tables from the general allotment of Preservation and Repair in this district, but if these funds are so applied, it will prevent my doing other work in the district which appears very desirable.

3. The drawings are inclosed as it seems that this type of structure is much cheaper than that now officially adopted, and that it might be of utility in some other district where similar conditions as to rolling doors exist. It is plainly inapplicable in the case of swinging doors.

*Frederic V. Allen*

Colonel, Corps of Engineers.

Dic.-IAK  
1 inclo.(b.p.) ,accompg.



72968/21

EB/PDJ

1st ind.

Office C. of E., September 27, 1912, To Colonel Abbot, approved.

To cover the cost an allotment of \$1,200 is hereby made from the appropriation for "Preservation and Repair of Fortifications" act of June 6, 1912.

By order of the Acting Chief of Engineers:

*Robert D. Raitt*  
Captain, Corps of Engineers.

Inclo. 22 in sep..roll

203/38 Forts

2d Ind..

U.S.Engr.Office, Boston,Mass., Sept.30,1912. - To the Chief of Engineers.

Returned.

*Frederic V. Abbott*  
Colonel, Corps of Engineers.

Inclo.39 accomp.

HEAD, OFFICE CHIEF OF ENGRS:

OCT 8 1912

*S*  
*m*

JOE, CHIEF OF ENGINEERS

72968

SEP 28 1912

21

WAR DEPARTMENT

1 inc B. P.

Incl. 22 in Map Files, Dr. 185, Sh. 3

file  
B. P.

HEAD, OFFICE CHIEF OF ENGINEERS OCT 8 1912

inc. 22 accy

BOSTON, MASS

SEP 28 1912

203 SEP 28 1912

U.S. ENGINEER OFFICE

72968

OFFICE

72968

All communications should be addressed to "The United States Engineer Officer, 25 Pemberton Square, Boston, Mass."

WAR DEPARTMENT

UNITED STATES ENGINEER OFFICE

ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE

BOSTON, MASS.

203 Forts

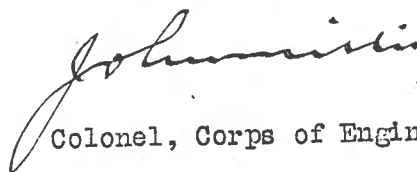
June 25, 1913.

From: The District Engineer Officer, Boston, Mass.

To: The Chief of Engineers,  
U. S. Army,  
Washington, D.C.

Subject: Tracing of Battery Whitman, Fort Andrews, Mass.

There is inclosed herewith tracing of Battery Frank Whitman, Fort Andrews, showing drainage, water, and lighting systems. This tracing has been prepared from a recent survey of the battery after the modifications authorized by E.D.indt. of Aug. 11, 1909 (72968), were completed. It is recommended that the plan receive the approval of the Chief of Engineers and Secretary of War, and that it then be returned to this office with authority to issue to the Artillery such number of blue prints as may be desired, including one to be framed and posted in the battery.

  
Colonel, Corps of Engineers.

Dic. TEJ/IAK  
Inclo. 42 accomp.

72968/23

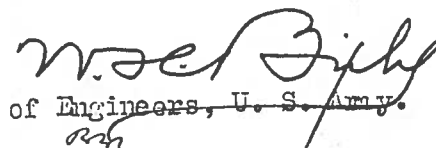
1st ind.

FWB/BHB

Office C. of E., July 5, 1913 - To THE ADJUTANT GENERAL.

It is recommended that the accompanying tracing be approved by the Secretary of War, and that if approved, the signatures of the Chief of Coast Artillery and the Chief of Staff be attached thereto, and the tracing returned to this office in order that blueprints may be prepared for the information and guidance of all concerned.

Inclo. 24 accomp.

  
Chief of Engineers, U. S. Army.  
WB

OFFICE, CHIEF OF ENG

72968 1913

23

WAR DEPARTMENT

ADJUTANT GENERAL'S OFFICE

2055826

U.S. ENGINEER OFFICE

20 JUL 1913

WAR DEPARTMENT

BOSTON, MASS.

OFFICE, CHIEF OF STAFF  
COAST ARTY. DIVISION

6790 1913

WAR DEPARTMENT

1 inc (Traps)

Encl. 94 in Ind. Cir. Dr. 185. 21. 3.

OFFICE, CHIEF OF STAFF AUG 18 1913

2 inc 24 accp

OFFICE, CHIEF OF STAFF JUL 15 1913

2 inc 24 accp

m / Inc.

ADDRESS REPLY TO  
THE DISTRICT ENGINEER OFFICER,  
U. S. ENGINEER OFFICE,  
25 PEMBERTON SQUARE,  
BOSTON, MASS

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
ROOM 1017 BARRISTERS HALL, 25 PEMBERTON SQUARE  
BOSTON, MASS.

REFER TO FILE NO 11 Ports

January 15, 1915.

From: The District Engineer Officer, Boston, Mass.

To: The Chief of Engineers, U.S.Army,  
Washington, D.C.

Subject: Repairs to powder magazine at Battery Whitman, Fort Andrews, Mass.

1.The inclosed sketch plan shows the powder magazine in the right flank of Battery Whitman, Fort Andrews. The magazine was originally lined with cedar, but this had become water-soaked and spongy and was recently removed. The magazine leaks, but can be made serviceable and dry by the construction of an interior room having absorbent walls and reinforced concrete roof with tar paper and pitch cover as indicated on the sketch. The ceiling of the magazine is over 9 feet high, which will leave plenty of space over the interior room to afford access to the roof if repairs become necessary. The estimated cost is \$1300, and authority to do this work with available funds in hand from the allotment of July 13, 1914 (E.D.17420), from appropriation for "Preservation and Repair of Fortifications", is requested.

2.The inclosed sketch is drawn to the same scale as the plan of this battery approved by the Secretary of War on July 15, 1913 (E.D.72968/24), to which reference is made for exact location of the magazine.

*W. O. Croft*  
Lieut.Col., Corps of Engineers.

IAK  
Sketch accomp.

72968/25 1st Ind. EEW-FF  
Office C. of E., January 25, 1915 - To the District Engineer Officer,  
Boston, Mass.

1. Approved.

2. When the work has been completed, report of the actual expenditure should be made. The estimate appears to be excessive.

By command of the Chief of Engineers:

*E. D. Smith*  
Lieut. Col., Corps of Engineers.

*mc*  
Inclo. 26 accomp.

11 Feb 1915

11 Feb. 1915  
Incl. 1120  
Incl. 1121  
Incl. 1122  
Incl. 1123  
Incl. 1124  
Incl. 1125  
Incl. 1126  
Incl. 1127  
Incl. 1128  
Incl. 1129  
Incl. 1130  
Incl. 1131  
Incl. 1132  
Incl. 1133  
Incl. 1134  
Incl. 1135  
Incl. 1136  
Incl. 1137  
Incl. 1138  
Incl. 1139  
Incl. 1140  
Incl. 1141  
Incl. 1142  
Incl. 1143  
Incl. 1144  
Incl. 1145  
Incl. 1146  
Incl. 1147  
Incl. 1148  
Incl. 1149  
Incl. 1150  
Incl. 1151  
Incl. 1152  
Incl. 1153  
Incl. 1154  
Incl. 1155  
Incl. 1156  
Incl. 1157  
Incl. 1158  
Incl. 1159  
Incl. 1160  
Incl. 1161  
Incl. 1162  
Incl. 1163  
Incl. 1164  
Incl. 1165  
Incl. 1166  
Incl. 1167  
Incl. 1168  
Incl. 1169  
Incl. 1170  
Incl. 1171  
Incl. 1172  
Incl. 1173  
Incl. 1174  
Incl. 1175  
Incl. 1176  
Incl. 1177  
Incl. 1178  
Incl. 1179  
Incl. 1180  
Incl. 1181  
Incl. 1182  
Incl. 1183  
Incl. 1184  
Incl. 1185  
Incl. 1186  
Incl. 1187  
Incl. 1188  
Incl. 1189  
Incl. 1190  
Incl. 1191  
Incl. 1192  
Incl. 1193  
Incl. 1194  
Incl. 1195  
Incl. 1196  
Incl. 1197  
Incl. 1198  
Incl. 1199  
Incl. 1200

*[Handwritten signature]*

RECEIVED  
FEB 2 1915  
M. Inc. 26

Inclo. 1120 accomp.  
Boston, Mass., Feb. 1, 1915. - To the Chief of P.  
2d Ind.

*[Handwritten signature]*