

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

35 217

38 666

Ft. Standish

Btty Weir

UNITED STATES ENGINEER OFFICE.

P. O. BOX 5346, ROOM 917 WINTHROP BUILDING,

BOSTON, MASS.

June 13, 1900.

Brig. Gen. John M. Wilson,
Chief of Engineers, U. S. Army,
Washington, D. C.

General:

In accordance with your instructions of May 16, 1900(35217) I have the honor to submit herewith plans and estimates for a battery of three 15-pdr. R. F. guns on balanced pillar mounts to be erected at Fort Standish, Boston Harbor.

The accompanying map of a recent survey of Lovells Island shows the position of the armament recommended by the Board of Engineers in their report of March 12, 1900. It will be seen that three batteries of 15-pdrs. are therein proposed. The most easterly of these guns numbered 1, 2, and 3, cover the main mine field in the Narrows; two others numbered 13 and 14 cover an inner line of mines near Gallops Island, while a third group numbered 15, 16, 17 and 18, are located on top of the high ground and can fire either on the Narrows or on the Broad Sound entrance.

In the present situation of affairs it has seemed to me that the battery first mentioned is the most important and the plans herewith submitted are for its construction. It is similar to the battery for three guns of this calibre recently

completed at Fort Warren, the only changes being an increased field of fire for the guns and a slight modification of the ammunition delivery suggested by the local conditions.

The plan submitted shows the entire battery, the two right hand guns Nos. 1 and 2 being recommended for present construction. These are served by a magazine of double capacity. In its final shape this battery will be continuous with the battery for the two 6-in. R. F. guns numbered 4 and 5 on the map, the two works mutually protecting each other. The larger battery will also have the electric light plant for both works.

The estimates herewith submitted put the cost of the entire battery at \$17,000., and of the two right hand guns at \$13,000. A tentative design prepared for the two 6-in. R.F. guns on pedestal mounts is estimated to cost \$20,000., from which I infer that the entire battery of five guns recommended for the east end of Lovells Island can be built for \$57,000., if constructed in one season. 3?

Estimate of cost of emplacements for three 15-pdr. R.F. guns, at Fort Standish, Lovells Island, Boston Harbor, Mass.

Concrete, 832 cu.yds. @ \$10.00	.	\$ 8,320.00
Forms,	.	1,000.00
Excavation, 150 cu.yds. @ 50¢	.	75.00
Fill, 1,495 cu. yds. @ 50¢	.	747.50
Doors, 12 @ \$40.00,	.	480.00
Electric lighting,.	.	300.00
Drainage,	.	300.00
Steel beams	.	150.00
Superintendence	.	500.00
		<u>11,872.50</u>

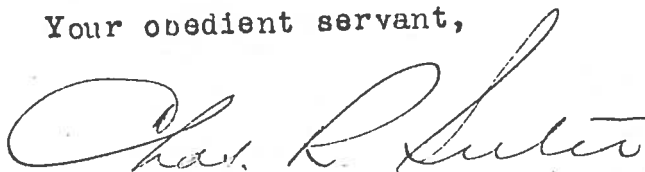
	\$11,872.50
Railroad to site,	450.00
Installing plant,	450.00
Expenses of Stmr. "Tourist", 4 mos.	2,160.00
Hire of wharf,	200.00
Contingencies, about 10%	1,867.50
Total,	<u>\$17,000.00</u>

Estimate of cost of two emplacements of above battery:

Concrete, 507 cu.yds. @ \$10.00	\$ 5,070.00
Forms	1,000.00
Excavation, 100 cu.yds. @ 50¢	50.00
Fill, 1220 cu.yds. @ 50¢	610.00
Doors, 9 @ \$40.00	360.00
Electric Lighting	200.00
Drainage,	275.00
Steel beams,	100.00
Superintendence,	500.00
	<u>8,165.00</u>
Railroad to site,	450.00
Installing plant,	450.00
Expenses of Stmr. "Tourist", 4 mos.	2,160.00
Hire of wharf,	200.00
Contingencies, about 10%	1,575.00
Total,	<u>\$13,000.00</u>

Very respectfully,

Your obedient servant,



Col., Corps of Engrs., U.S.A.

2 inclosures:
Tracings in sep. roll.

51
35217
JUN 1 1900

WAR DEPARTMENT

Boston, Mass.

June 13, 1900.

Butler, Col. David R.

Ports.	U. S. Engineer Office, Boston, Mass.	1900
3128	Received JUN 23 1900	

E. A. letter of May 16, 1900,
submitted plans and estimates
for a battery of three 15 lbs.
Q. T. guns on balanced pile-
like mounts at Fort Standish,
Roxbury Island, Mass.

Two tracings, one showing
plan of proposed island and
the other, plan and sections
of placements for said battery.
Three 15 lbs. guns and accessories;
Total estimated cost of
project for three 15 lbs. Q. T.
guns - - - - \$17,000
Two copies - - - - \$13,000

RECORDED OFFICE CHIEF OF ENCS. JUN 25 1900

K
Incs. 283

1st Indorsement.

Office Chief of Engineers,

U. S. ARMY.

June 20, 1900.

Respectfully returned to Colo-
nel Suter, inviting attention to
the dimensions of the well for
base casting shown on section C-D.
This should be left at least 3
feet 5 inches in diameter by 3
feet 6 inches deep, to receive the
well casting.

With this exception, the plans
are approved, and the sum of
\$12,000 is hereby allotted from
the appropriation for "Gun and
Mortar Batteries", for construc-
tion of gun and mortar batteries,
Act of May 25, 1900, to be applied
to the construction of two em-
placements (Nos. 1 and 2) for 15-
pounder rapid-fire guns at Fort
Standish, Mass.

These papers to be returned.
By command of Brig. Gen. Wilson:

Joseph B. Butler

Captain, Corps of Engineers.

35217

1

Incls. 2 & 3 in sep. roll.

2nd Indorsement,
U. S. Engineer Office,
Boston, Mass.

June 23, 1900.

Respectfully returned to the
Chief of Engineers, U. S. Army,
contents noted. The error allud-
ed to in previous indorsement
had already been discovered and
is corrected on the plan as now
returned.

David R. Butler

Col., Corps of Engrs., U. S. A.
2 Incls. accomp. - In sep. roll.
Ports 3128:

RECORDED OFFICE CHIEF OF ENCS. JUN 25 1900

Incls. 2 & 3 in sep. roll. Jun 19, 1900

UNITED STATES ENGINEER OFFICE.

P. O. BOX 5346, ROOM 917 WINTHROP BUILDING,

BOSTON, MASS.

April 8, 1901.

Brig. Gen. John M. Wilson,
Chief of Engineers, U. S. Army,
Washington, D. C.

General:

Referring to Department letter (38666) dated March 18, 1901, requesting detailed plans and estimates for the construction of emplacements for three 15 pdr. rapid-fire guns at Fort Standish, Mass., I have the honor to report that on June 13, 1900, a plan of three such emplacements was submitted to the Chief of Engineers, who approved the plan June 20, 1900, and authorized the construction of two of the three emplacements (E.D. $\frac{35217}{1}$).

It is believed that the third emplacement of this battery should now be constructed completing the battery. Several large items of the cost of this emplacement, which were estimated originally to be shared among the three emplacements must be borne by this emplacement alone, thus increasing the estimate above that submitted in my letter referred to above.

Estimate of cost:

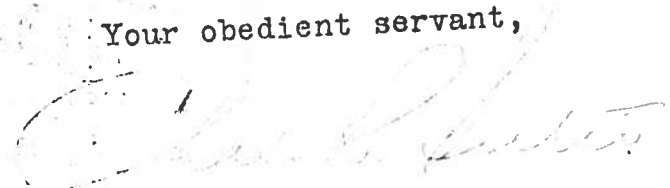
Excavation, 50 cu. yds., @ 50¢ per yd.,-----	\$ 25.00
Drains, -----	125.00
Concrete, 400 cu.yds. @ \$10. per cu.yd. -----	4,000.00
Forms, @ \$1.80 per yd. of concrete, -----	720.00
Fill, 1400 cu.yds. @ 80¢ per cu.yd. -----	1,120.00
Doors, 3 @ \$50. each, -----	150.00
Conduits, etc., 17 outlets, @ \$6. each, -----	102.00
Steel beams, -----	50.00
Painting, waterproofing, etc. -----	100.00
Sodding, 300 sq.yds. @ 50¢ per sq.yd. -----	150.00
Forward, -----	<u>\$6,542.00</u>

Brought forward,	\$6,542.00
Installing derrick and other plant,-----	350.00
Hire of wharf,-----	100.00
Transportation (Steamer "Tourist",etc.)-----	1,000.00
Superintendence, -----	450.00
Contingencies,-----	558.00
Total, -----	\$9,000.00

This emplacement, being entirely independent of the others projected but not yet built, and all being in readiness for its construction, it is recommended that the sum of \$9,000.00 be allotted for this purpose from the appropriation for Gun Batteries.

Very respectfully,

Your obedient servant,


Col., Corps of Engrs., U.S.A.

OFFICE CHIEF OF ENGINEERS

38666

APR 1 1901
WAR DEPARTMENT

1300000
April 8, 1901

Col. C. K.

Returning to the U.S. Army
March 18, 1901 at the Fort Standish
two emplacement the 15th of 1900
at 17th Street and 18th Street
14th St. Eng. and construction
authorized June 20, 1900
35217

Decision to return for
construction of the 15th of 1900
\$9,000. and 100,000. and
allocation to make for
this purpose of the 15th of 1900
time for the 15th of 1900.

For 15.	U. S. Engineer Office, Boston, Mass.	1901
220	Received APR 12	

File

RECD. BACK, OFFICE CHIEF OF ENGRS. APR 15 1901

1st Indorsement.

Office Chief of Engineers,

U. S. ARMY.

April 11, 1901.

Respectfully returned to Colonel
Suter, approved.

An allotment of \$9,000 for the
construction of this emplacement is
hereby made from the appropriation
for "Gun and Mortar Batteries," for
construction of gun batteries, Act
of March 1, 1901.

The drawings and estimates for
the two remaining emplacements cov-
ered by letter from this office,
dated March 18, 1901 (38666), should
be prepared and submitted, so that
work may be as nearly continuous as
possible at Fort Standish.
To be returned.

By command of Brig. Gen. Wilson:

John V. Allen

Major, Corps of Engineers.

38666
1

2nd Indorsement,
U. S. Engineer Office,
Boston, Mass.

April 13, 1901.
Respectfully returned to the
Chief of Engineers, U.S. Army.

John V. Allen

Col., Corps of Engrs., U.S.A.
Forts 220.

RECD. OFFICE CHIEF OF ENGRS. APR 13 1901