

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

26012

Ft. Wetherill

Btty Varnum

Subject: Emplacements for 12-inch B.L. rifles, -Dumplings, Narragansett Bay, R. I.

U. S. Engineer Office,

MAJOR D. W. LOCKWOOD,
Corps of Engineers, U. S. A., in Charge

Newport, R. I., May 2, 1898.

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

General:

I have the honor to acknowledge the receipt of letter Office of the Chief of Engineers, U. S. Army, April 25, 1898, Engr. Dep't File No. 26012, with papers transmitted therewith, directing the construction of two emplacements for 12-inch B. L. rifles on barbette non-disappearing carriages at the Dumplings, Narragansett Bay, R. I., and making a provisional allotment therefor. The directions contained in the letter will be complied with.

Very respectfully,

Your obedient servant,

D. W. Lockwood

Major, Corps of Engineers, U.S.A.

OFFICE CHIEF OF ENGINERS

MAY 4
1898

26012

1898

WAR DEPARTMENT

Harvard Div.
May 21. 1898.

May 1598.

De Kruis.
en Huis in D. de.

College in Dallas

C. de la Vega, D.D., letter of
C. de la Vega, newly arrived,
is copied for 2^d R.A.T. on
Baroque m.d.c. as the
Amplifying Charismatic Ray.
R.D. v. making provisions
accompanying. none yet.

Edw. Taylor, M.D. and

colp. for 2" A.S.A. K. on

Wanted in C. at the

2 Vermilion. Carrapineet Ray.

Goodman

[illegible]

Subject: 12-inch Gun Battery- Dumplings, R. I.

U. S. Engineer Office,

Newport, R. I., June 13, 1898.

Brig. Gen. John M. Wilson,

Chief of Engineers, U. S. Army,

Washington, D. C.

General:

I have the honor to forward herewith in a separate package two tracings showing: 1st, general location of the two 10-inch gun battery, disappearing carriages, on Fort Adams Reservation, now in process of construction, and two 12-inch gun battery, barbette, on the Dumplings Reservation, with fields of fire for each, and, 2d, showing plan, elevation and cross sections of proposed battery on the Dumpling Reservation for two 12-inch guns, barbette. It is proposed to partially screen this battery from reverse view by an epaulement in which are certain rooms for the operation of the battery. It will be noted that the area in rear or north of the Dumplings is covered by the fire from the two 10-inch guns on the Fort Adams Reservation. I have planned that the ammunition supply shall be by lifts.

An estimate showing amount and cost of the various items involved in the construction will be forwarded at an early date.

Very respectfully,

Your obedient servant,

H. W. Lockwood

Major, Corps of Engineers, U.S.A.

2 Inclos. in sep. roll.

Through Brig. Gen. G. L. Gillespie,
Colonel, Corps of Engineers, U.S.A.,
Division Engineer, Northeast Division.

88	ENGINEER OFFICE, Northeast Division,	1898
RECEIVED June 15,		

OFFICE, CHIEF OF ENGINEERS.

26012
10
WAR DEPARTMENT

Newport, R. I.
June 13, 1898.

Lockwood,
Major D. W.

Submits drawings,
showing location of
10" battery, Fort Adams, and
12" (Charlotte) battery at
Swampings, with plan
etc. of the latter. —
noting that area in
rear is covered by the
10" battery at Ft. Adams. —
Estimates to be submitted
later.

D. Melon. (th.) - E. D. —
Forward by Div. Engr.
Office, 11/12. Chief of Engrs., R. I. 52.
RECD. LOCK OFFICE CHIEF OF ENGRS. JUN 25 1898
inco. 11/2 222

1st indorsement.
NORTH EAST DIVISION
ENGINEER OFFICE.

New York.....June 15,.....1898.
Respectfully forwarded to the
Chief of Engineers, recommended
for approval.

The fields of
fire of the two batteries cover
satisfactorily the water areas
in the eastern passage, and the
plans proposed for the 12-inch
battery conform to those of the
adopted type.
Cranes for hoisting shot and
shell should not be omitted, even
when lifts are provided- they
are shown upon the drawings, but
the language of the report is
such as to leave their construc-
tion in doubt.

A. L. Lockwood
Colonel, Corps of Engineers.
Brig. Gen., U.S. Vols.
Division Engineer.
88-1898.
Inclos. 1 & 2 in sep. roll.

2nd indorsement.
Office Chief of Engineers,
U. S. ARMY.

June 17, 1898.
Respectfully returned approv-
ed.

From the fact that ammunition
cranes are shown on the draw-
ings, it is assumed that Major
Lockwood intends to provide
them.
The Chief of Engineers takes
pleasure in commending these
plans, which are very satisfac-
tory.

These papers to be returned.
John D. Wilson
26012 Brig. Gen., Chief of Engineers,
10 U.S. Army.
Inclos. 11 & 12 in sep. roll.
Through the Division Engineer.

Recd A. L., June 18, 1898.
3rd indorsement.
NORTH EAST DIVISION
ENGINEER OFFICE.

New York.....June 18,.....1898.
Respectfully returned to
Major Lockwood, inviting atten-
tion to preceding indorsement.

A. L. Lockwood
Colonel, Corps of Engineers,
Brig. Gen., U.S. Vols.,
Division Engineer.
88-1898.
Inclos. 1 & 2 in sep. roll.

4th indorsement.
U. S. Engineer Office,
Newport, R. I., June 23, 1898.

Respectfully returned to
the Chief of Engineers, U. S.
Army.
Ammunition supply by
lifts was referred to in view
of the fact that plans, &c.,
had been sent me of a Chain
Ammunition Hoist which I had
not been able to investigate
sufficiently to determine its
applicability to the pumping
battery. The fact that the
cranes were indicated on the
plan of the battery was con-
sidered sufficient to settle
the question of their proposed
use.

John D. Wilson
Major, Corps of Engineers.

26012
10
Inclos. 11 & 12 in sep. roll.
By the Division Engineer
June 24/98
5th indorsement.
TH EAST DIVISION
ENGINEER OFFICE

ork.....June 24,.....1898.
respectfully returned to
Chief of Engineers.

A. L. Lockwood
Corps of Engineers,
Brig. Gen., U.S. Vols.,
Div. Engr.
in sep. roll.

Subject: Estimate- 2 emplacements for 12" B.L.Rifles on barbette
 U. S. Engineer Office, disappearing car-
 riages at the Dump-
 lings, R. I.

Newport, R. I., July 1, 1898.

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

General:

I have the honor to submit herewith an estimate of the cost of constructing two emplacements for 12-inch B. L. Rifles on barbette non-disappearing carriages at the Dumplings, Narragansett Bay, R. I., authorized by Department letter of April 25, 1898, Engr. Dep't File No. 26012.

Excavation,	6000	cu. yds.	@ \$1.00	\$ 6,000.00
Fill,	12000	cu. yds.	@ .60	7,200.00
Sod,	4000	sq. yds.	@ .50	2,000.00
Concrete, Natural,	7500	cu. yds.	@ 7.50	52,500.00
Concrete, Portland,	1100	cu. yds.	@ 9.50	10,450.00
Granolithic,	300	cu. yds.	@ 14.00	4,200.00
I Beams,	60000	lbs.	@ 2 1/2 ¢	1,500.00
Trolleys,				800.00
Drain pipe,	792	ft.		300.00
Manholes,	2	No.	@ \$25.00	50.00
Doors, hangings & fittings,				700.00
Stairs,	2	No.	@ 100.00	200.00
Ladders,	2	No.	@ 25.00	50.00
Carried forward,				<u>\$85,950.00</u>

2 .

Brought forward,.....					\$85,950.00
Cranes,	4	No.	@	\$ 60.00	240.00
Railing,	200	ft.	@	.50	100.00
Lifts,	2	No.	@	900.00	1,800.00
Electric lighting, including storage battery,					2,500.00
					<u>\$90,590.00</u>
Contingencis, 10%.....					9,059.00
Total,.....					<u>\$99,649.00</u>

This estimate is exclusive of the cost of leveling old Fort Dumping, which will be in rear of emplacement No. 2. This old Fort, besides furnishing a prominent mark for locating the battery, is so close in rear that shells striking it would be liable to throw fragments of rock about the gun platform and will in time, therefore, require taking down.

Very respectfully,

Your obedient servant,

J. W. Lockwood

Major, Corps of Engineers, U. S. A.

OFFICE CHIEF OF ENGINEERS

NO 26012

14

WAR DEPARTMENT

Newport, R. I.
July 1, 1898.

Sackwood
Major D. W.

Quinn's estimate of
cost of constructing 3 emplacements
for 12" B. & N. on land. mon-
dial. carriage at the Dump-
lings, Narragansett Bay, R. I., and
to 99,649.00. Authd. by E. S.
letter of April 25/98.

R. 97 = noted

[Signature]

1st indorsement.

Office Chief of Engineers,
U. S. ARMY.

July 6, 1898.

Respectfully returned.
The sum of \$50,000 additional
is hereby allotted from the ap-
propriation for National Defense,
Act of March 9, 1898, to be appli-
ed to the completion of two em-
placements for 12-inch guns on
barbette carriages at the Dump-
lings, Narragansett Bay, R. I..
This paper to be returned.

By command of Brig. Gen. Wilson

26012
14

[Signature]
Captain, Corps of Engineers.

2nd indorsement.

U. S. Engineer Office,
Newport, R. I., July 9, 1898.

Respectfully returned to the
Chief of Engineers, U. S. Army,
the necessary record having
been made.

[Signature]

Major, Corps of Engineers.

26012
14

Subject: Estimate: Emplacements for two 12-inch B.L. Rifles at Dumplings.

U. S. Engineer Office,

Newport, R. I., October 12, 1898.

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

Sir:

I have the honor to submit a revised estimate of the cost of constructing the two emplacements for 12-inch guns on barbette carriages at the Dumplings, R. I., authorized by Department letter of April 25, 1898, Engr. Dep't File No. 28012.

An estimate of the cost of this work was submitted under date of July 1, 1898, based upon such data as was available at that time, but did not include leveling old Fort Dumplings and the rock upon which it is situated. This latter work can be carried on when the weather gets too cold for placing concrete and much of the rock can be used for filling in the wharf as planned. The quantity of rock to be removed is 10000 cubic yards. The wharf is a very important feature, as it is the only one on Conanicut Island where guns and carriages can be landed, and there are no sites on the water front of the land the United States proposes to condemn, where wharves can be built, so that this one may be required in connection with any other works the Government may build on this Island in the future.

In figuring on excavation originally, the proportion of earth to rock was underestimated, and in consequence the actual cost per cubic yard has been greater than was estimated in the

As the entire cost of the work, including the leveling of the old Fort is \$147649.00 and the amount allotted to date is \$90,000.00, the balance required to complete is \$57649.00 which I respectfully request to have allotted.

Very respectfully,
Your obedient servant,

J. W. Smith

Major, Corps of Engineers, U.S.A.

THE ORIGINAL ESTIMATE WAS \$90000.00 LESS 10% DISCOUNT
\$90000 has been allotted.
In the accompanying table, the cost of work done up to October 1, 1898, the work to be done to complete, the original estimated cost and balance required are given. I may add that the cost of plant and dock are hardly chargeable to this work alone.

Item.	Work to October 1, 1898.		Work to be done.		Total cost complete work.	Original Estimate.		Amount required in excess of the original estimate.
	Quantity.	Rate.	Amount.	Quantity.		Rate.	Amount.	
Plant,		\$7181.33			\$ 7181.33			\$ 7181.33
Buildings,		837.00			837.00			837.00
Wharf,		5963.80		\$ 236.20	6200.00			6200.00
Mounting & care of plant,		1470.96		529.04	2000.00			2000.00
Supervision & office expenses,		2499.46		3000.00	5499.46			5499.46
Excavation, cu. yds. 6330	\$ 1.73	10939.55	10000	\$ 1.75	28439.55	\$ 1.00	\$ 6000.00	22439.55 ✓
Embankment, " " 350	1.05	898.00	11100	1.25	14773.00	.60	7200.00	7573.00
Drainage, lin ft. 735	413.73		100	36.27	450.00		300.00	150.00
Forms, per yard of concrete, .78		3176.89		800.00	3976.89			3976.89
Rosendale concrete, cu. yds. 3524	6.05	21351.23	3910	6.00	44811.23	7.50	52500.00	-7688.77
Portland concrete, cu. yds. 555	7.86	4362.58	761	8.00	10450.00	9.50	10450.00	0.00
Portland facing, cu. yds. 194	12.00	2324.41	450	15.00	9074.41	14.00	4200.00	4874.41
Mass stone, tons. 700	2.35	1635.69	600	2.00	2835.69			2835.69
Gun anchors, Ring bolts, Mounting . .	160.04				160.04			160.04
	35.51			10.00	45.51			45.51
Light & communication, 68715	101.06			2398.84	2500.00		2500.00	0.00
Steel "I" beams, 456.79	1299.86		Do.	200.14	1500.00	.02 1-2	1500.00	0.00
Asphalt, 14.19				80.00	515.79			515.79
Doors, Sod, sq. ft. 4000				685.81	700.00		700.00	0.00
				2000.00	2000.00	.50	2000.00	0.00
Trolleys, Manholes, Stairs, Ladders, Cranes, Hand railing, lin. ft. 200				800.00	800.00		800.00	0.00
Lifts, Contingencies,				2	50.00	25.00	50.00	0.00
				2	300.00	100.00	200.00	100.00
				2	50.00	25.00	50.00	0.00
				4	400.00	60.00	240.00	160.00
				200	100.00	.50	100.00	0.00
				2	1800.00	900.00	1800.00	0.00
				199.10	199.10		9059.00	-8859.90
				\$82527.92	\$ 147649.00		\$99649.00	\$48000.00
				\$85121.08				

CHIEF OF ENGINEERS

26012 33

WAR DEPARTMENT
1898

88
3
1898
OCT 13 1898

Rec'd N. Y. Oct. 17, 1898
Lockwood, May 25, 1898

Submits revised
cost of the cost of con-
structing the two em-
placements for 12"
guns on barrette
carriages at the
Dumpplings, R. I.

The balance re-
quired to complete work
on the site is \$37,649
which the request
to be made of the
\$20,000 allotted for the
work on the site is
\$17,649

K
1898

RECORDED BY OFFICE CHIEF OF ENGINEERS OCT 22 1898

1st Indorsement.

Office Chief of Engineers,
U. S. ARMY.

October 15, 1898.

Respectfully returned.
The unallotted balance of funds
applicable to the construction of
the Dumppling battery is insuf-
ficient to meet the large unex-
pected increase over the original
estimate.

The sum of \$15,708.44, the en-
tire available balance, is hereby
allotted from the appropriation for
"National Defense", Act of March 9,
1898, for continuing the work of
construction.

The authority of the President
has been requested to apply certain
small balances from allotments
from the appropriation for Nation-
al Defense, not otherwise avail-
able, to the completion of bat-
teries for which the funds allotted
have proved insufficient, and in
case this authority is granted, it
will be practicable to furnish
additional funds.

Meanwhile the work of leveling
old Fort Dumppling should be de-
ferred, and the remaining items of
work yet to be done conducted in
an economical manner and in the
order of their importance.
This paper to be returned.

By command of Brig. Gen. Wilson:

26012
18

Joseph S. Wilson
Captain, Corps of Engineers.

Through the Division Engineer,
Northeast Division.
Newbury, Oct. 17, 1898.

2nd Indorsement.

NORTH EAST DIVISION
ENGINEER OFFICE.

New York, October 17, 1898.

Respectfully returned to
Major Lockwood, inviting at-
tention to preceding indorse-
ment.

Colonel, Corps of Engineers,
U. S. A.,

Brig. Gen., U. S. Vols.,
Division Engineer.

88
3, 1898.

3rd Indorsement.
U. S. Engineer Office,
Newport, R. I., October 20, 1898.

Respectfully returned to the
Chief of Engineers, U. S. Army, the
necessary record having been made.

26012
18
Major of Engineers.

Through the Division Engineer
Northeast Division.
Newbury, Oct. 21, 1898.

4th Indorsement.
NORTH EAST DIVISION
ENGINEER OFFICE.

New York, October 22, 1898.
Respectfully returned to
the Chief of Engineers, U. S. A.

88
3, 1898.
Col. Corps of Engineers, U. S. Army

SUBJECT: Gun emplacements, Fort Wetherill.

Office of the Chief of Engineers,
United States Army,

Washington, October 29, 1900.

Hon. Elihu Root,

Secretary of War.

(Through the Adjutant General, U. S. Army.)

Sir:

I have the honor to report the completion of two emplacements for 12-inch B. L. rifles, and of two emplacements for 15-inch rapid-fire guns at Fort Wetherill, R. I., and to recommend that the necessary instructions be now issued for their transfer to the troops for use and care, under the provisions of Act of March 3, 1879.

There is transmitted herewith an outline tracing of the emplacements, showing the system of drainage and electric ducts, with notes for the care and maintenance of the emplacements. It is further recommended that this tracing be approved, and, if approved,

that the signature of the Secretary of War be affixed thereto, and the tracing be then returned to this office to enable blue prints to be prepared for the information and guidance of all concerned.

Very respectfully,

Your obedient servant,



Brig. Gen., Chief of Engineers,

U. S. Army

26012

41

Inclo. 42 accompanying.

RECEIVED
OCT 30 1900

ON THE 12TH INST. OF
R. I. WHICH WERE
FOR R. I. GUNS AT FORT WETHERILL

OFFICE OF ADJUTANT GENERAL

OFFICE OF CHIEF OF ENGINEERS

348086

26012

WAR DEPARTMENT

Wash., Oct. 29, 1900.

Chief of Engineers.

Reports the completion of two emplacements for 12-in. B.L. R. and emplacements for 15-pdr. at Ft. Wetherill, R.I. Recommends that the necessary be now issued for their to the troops for use under the provisions of

mits herewith an outline of the empls., showing of drainage and elect. th notes for the care. Enhance of the empls. ther recommended that ing be approved, and if that the signature of W. be affixed thereto, racing be then returned office to enable b/ps. Prepared for the informa- guidance of all con-

REPRODUCED FROM THE NATIONAL ARCHIVES

1 inclosed
26012 acc
44

18 Sept 1901

W. L. G. 26 Sept 1901

26 Sept 1901

Received M. & R. D. OCT 30 1900

1st Indorsement

War Department

Adjutant General's Office
Washington, Oct. 31, 1900

Respectfully returned to the Chief of Engineers U.S. Army, with copy of instructions of this date to Commanding General Department of the East and with the signature of the Secretary of War, affixed to accompanying tracings.

By order of the Secretary of War:

Edw. C. Hart
Assistant Adjutant General.

One inclosure.

2nd Indorsement.

Office Chief of Engineers

U. S. ARMY.

November 10, 1900.

Respectfully referred to Maj. G.W. Goethals, Corps of Engineers, for his information and guidance. Major Goethals is requested to have one or more blue prints of the tracing posted in the emplacements to which it pertains, and to furnish such additional copies of the tracing as may be desired by the Post Commander.

When such record as may be

necessary has been made, these papers will be returned to this office, with report of the date of transfer, and receipt of the Artillery officer, on which the condition of the emplacements should be stated.

The Chief of Engineers takes pleasure in saying that the within tracing is the most complete and satisfactory that has up to this time been received for use in the transfer of emplacements, and that in future it will be used as the model on which new transfer tracings and instructions will be based.

By command of Brig. Gen. Wilson:

Frederic V. Allen
Major, Corps of Engineers.

26012

43

Inclo. 44 accomp.

Inclo. 42 in sep. roll.

Edw. C. Hart
Indorsement.

U.S. ENGINEER OFFICE,

NEWPORT, R. I. February 16 1901.

Respectfully returned to the Chief of Engineers U.S. Army, accompanied by the receipt of Capt. Geo. F. E. Harrison, 7th U.S. Artillery, for the two emplacements for 12-inch B.L. Rifles and two emplacements for 15-pdr. R.F. guns at Fort Wetherill, R. I., which were transferred on the 15th inst. Copies of

property transfer papers will be forwarded as soon as the receipts are signed.

The balance of funds remaining from allotments for construction of emplacements will this day be returned to the Treasury of the United States.

Edw. C. Hart

Major, Corps of Engineers.

Inclos. 44 & 1 addl. inclo.

accomp'g, &

Inclo. 42 in sep. roll.

RECD. OFFICE CHIEF OF ENGRS. FEB 16 1901