

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

2 8660

35 225

38672

Ft. Taylor

Btty Adair

United States Engineer Office,

P. O. DRAWER 521,

KEY WEST, FLA., March 13, 1899.

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

General:-

Referring to the approved project for construction of emplacements for 4 15-pdr. R. F. guns (E.F.M. 28660), I have the honor to invite attention to the fact that it was therein stated that the space between the 12" battery and the proposed 15-pdr. battery in Fort Taylor could be made to contain the three 6" R. F. guns called for by the general project. This statement was made prior to the receipt of drawings showing 6" emplacements and I now have reason to believe is incorrect. In other words there is not room for three 6" guns and two 15-pdrs. along the west face of the Fort. In fact there is not room for three 6" guns alone, unless these guns could be located 75 feet apart, which is 21 feet less than shown on the typical drawing (Mimeograph 31). It is respectfully submitted that a change could be made with advantage in the location selected for the 15-pdr. battery in Fort Taylor.

Consideration is asked of the accompanying three drawings.

1. The large scale tracing shows three emplacements for 15-pdr. R. F. guns and three for 6-pdr. R. F. guns located along the west face of Fort Taylor. So much of the drawing as relates to the 6-pdr. emplacements is general in character, and is designed to show especially the space required for such emplacements.

2. The small scale tracing shows the fields of fire of these two R. F. batteries with respect to the mine fields; also of a battery of three 6-inch guns located near the 4.7" battery. Regarding the engineering features of the site on which these three 6-inch guns are shown, I would say that a small portion of it is above high water, that fully two thirds is bare at low water, and that the surface is rock overlaid in spots with a foot or so of sand.

3. The lines drawn on the Coast Survey Chart are designed to show the areas and entrance channels that would be covered by a 6-inch battery located as described above, and by a similar battery located along the west face of Fort Taylor. The full red lines show the field of an interior gun (140°); the broken red line bearing 20 degrees east of true south bounds the additional field of the left gun; the broken red line bearing 20 degrees west of true north bounds the additional field through which the right gun of the battery could fire if no other battery or gun were to be located on its right behind the same face of the Fort.

It is submitted that the greater field of fire to the south and east afforded by the location near the 4.7" battery is more valuable than the greater field to the north and west afforded by the location along the west face of Fort Taylor; since the defense of the northwest entrance channels and the mines therein, is already adequately provided for by the two 6-inch, two 15-pdrs. and two 6-pdrs. to be mounted near the North Battery.

The locations herein pointed out for the three 6-inch and three 6-pdr. guns are of course not the only locations available for them.

In view of the above I would request that the project (28660) be modified to the extent of constructing two 15-pdr. emplacements in the location of the emplacements marked No. 2 and No. 3 on the large scale tracing.

Assuming that only 15-pdr. and 6-pdr. guns are to be mounted behind the west face of Fort Taylor, there would be ample space between the 12-inch battery and the present approved location of the 15-pdr. battery for three 6-pdr. guns; but mounting the latter guns in this interval would greatly decrease the sweep of the left 15-pdr. gun to the south.

Very respectfully,

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

Thro' the Division Engineer,

Southeast Division

U. S. DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF STAFF
WASHINGTON, D. C. 20315

10660

WAR DEPARTMENT.

MAR 25 5 28660 1899

Key West, Fla.
March 18, 1899

W. H. Kinstiry
Capt. E. H.

REPRODUCED AT THE NATIONAL ARCHIVES

No way to the approval project for
construction of emplacement for four
15" guns at Fort Taylor, while that
the use available cannot contain
these emplacements and the project for
three 6" R. 3. guns called for by the
general project. In view of labor
and that it is quit to construct 2 empla-
cements for 15" guns. Location marked No. 2
and No. 3 on large scale tracing of sketch
and to secure the crest from 19' 10"
to 27 feet. 2 inches. 600. March
24th 65. 1899. 24th 65. 1899.

WAR DEPARTMENT, OFFICE CHIEF OF ENGINEERS
APR 10 1899
March 25, 1899

1st. Indorsement:
U. S. Engineer Office,
Baltimore, Md.

March 23, 1899.

Respectfully submitted to the
Chief of Engineers, U. S. A.,
I concur with the district en-
gineer that the site outside of
Fort Taylor for the 6-inch R. F.
guns is far better than any avail-
able site inside. These 6-inch R.
F. guns will be for certain work
the most important guns for the
defense of Key West.

When I was at Key West a short
time ago, the district engineer
and I discussed the question of
the best place for the 6-inch R. F.
guns. At that time we thought one
6-inch gun might be placed inside
the fort; but I agree with him
that, on the whole, it will be
better to put them all on the site
he suggests. His proposition is therefore
recommended for approval.

Col. Corps of Engineers, U. S. A.,
Div. Eng. S. E. Div.

Office Chief of Engineers,
U. S. Army

March 25, 1899.

Respectfully returned.
The project presented herein for
their disposition of the rapid-fire
guns originally projected inside
of Fort Taylor is approved.
When such record as may be nec-
essary has been made, these papers

will be returned to this
office.

By command of Brig. Gen. T. L. Tilton

28660
5
Inclos. 6 & 7,
& 29465 in sep. roll.

2

Through Col. PETER C. HAINES

Division Engineer, Southeast Division.

3rd. Indorsement.
U. S. Engineer Office,
Baltimore, Md.

March 28, 1899.

Respectfully transmitted to
Capt. C. H. Mc Kinstiry, Corps of
Engineers, inviting attention
to the foregoing indorsement.

Col. Corps of Engrs., U. S. A.,
Div. Eng. S. E. Div.

4th Indorsement.
U. S. Engineer Office,
Key West, Fla.

April 3, 1899.

Respectfully returned to the Chief
of Engineers, through the Division En-
gineer, Southeast Division.

W. H. Kinstiry
Captain, Corps of Engineers

Inclos. 6 & 7
& 29465 in sep. roll.

United States Engineer Office,

P. O. Drawer 19.

ST. AUGUSTINE, FLA., June 11, 1900.

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

General:-

Your letter of May 16, 1900, (E.D.35225), calls for plans and estimates for emplacements for two 15 pdr. guns at Fort Taylor, Key West, Fla.

In partial compliance therewith I have the honor to submit the following:

G.O. No.43, A.G.O., Washington, April 4, 1900, stating the official designation of the reservation and batteries at Key West, contains the following item: "Entire reservation adjacent to old Fort Taylor, Fort Taylor, after the original masonry work." It is assumed then that the term "Fort Taylor", as used in your letter of May 16, applies to the entire reservation.

The approved project of the Board of Engineers for the Artillery defense of Key West, March 16, 1898, (E.D.24997), contemplates 16 pdr. guns as follows:

Three in Fort Taylor (old masonry work).
Two near North Battery.
Three in western Martello Tower.
Three in eastern Martello Tower.

But the project further states that "The number of 16 and 6 pdr. rapid fire guns recommended above is regarded as the minimum required for taking part in the defense against naval attack and for sweeping the mine fields."

The minimum number of 15 pdrs. then, projected for the reservation of Fort Taylor (excluding the Martello Towers), is five, and of these four are at present under construction, - two in old Fort Taylor and two near the North Battery. To carry out the project of the Board of Engineers requires one more 15 pdr. in the old fort, and it is recommended that of the two at present in question, one be built therein, adjacent to the two under construction, and the other be constructed in the western Martello Tower. The necessity for increasing beyond five the number of 15 pdr. guns for the reservation of Fort Taylor is not now apparent, and it is respectfully recommended that this, for the present at least, be not done.

With Captain McKinstry's letter of March 18, 1899 (E.D.28660-5), there was submitted a tracing showing the proposed location and general plan of three 15 pdr. and three 6 pdr. guns along the west face of old Fort Taylor. By your indorsement thereon this disposition of 15 pdr. and 6 pdr. guns in the fort was approved. It has been taken for granted, therefore, that at least one of the two emplacements under consideration will be constructed on the west face, adjacent to the two there under construction; and, to avoid delay, the necessary

data being on hand, I have had prepared plans and estimates for this one emplacement, and will have prepared, as expeditiously as possible, drawings showing possible locations for the rapid fire armament contemplated for the Western Martello Tower. Even though it be decided to construct an emplacement in the western Martello Tower, it is not advisable to begin its construction simultaneously with that in old Fort Taylor, for this would involve a considerable outlay for plant or else would entail expensive methods of doing the work. I, therefore, submit at this time data pertaining to the construction of one or both emplacements in Fort Taylor reservation.

It is estimated that a single 15 pdr. emplacement constructed on the west face of the old Fort, in the location shown on tracing accompanying Captain McKinstry's letter of March 18, 1899, (E.D.28660-5) (right emplacement of three shown), and in accordance with the plan and sections herewith, will cost \$7000. This estimate is in excess of the estimate for the emplacements now under construction for the reason that the work by itself is small, and that much of the necessary plant needs overhauling, considerable repair and renewals.

The foregoing is, as before stated, in partial compliance with Department letter of May 16, 1900, (E.D.35255), and on the assumption that the minimum number of 15 pdrs. recommended by the Board of Engineers March 16, 1898, (E.D.24997), will be adhered to. But if the Department wishes to increase this number, I submit the follow-

ing for consideration:

1st. On the tracing with Captain McKinstry's letter of March 18, 1899, (E.D.28660-5), emplacements for three 15 pdrs. and three 6 pdrs. are shown on the west face of old Fort Taylor. The 6 pdr.guns are shown 28 feet apart. Space for four emplacements for 15 pdrs. and three for 6 pdrs. could be made on this west face by moving the three 6 pdrs. 30 feet to the right, or by moving them to a less distance and reducing the interval between guns. By making this interval 20 feet instead of 28 feet, 16 feet would be gained for a fourth 15 pdr., and the right 6 pdr. would have to be moved but about 15 feet. The location of the magazine and bomb-proof could be changed ^{serious} the required distance without ^{serious} detriment, and the general arrangement of the rooms would be slightly, though, I think, satisfactorily, altered. Space, therefore, can be made for two more 15 pdrs. on the west face of the fort. If it is decided to build both emplacements in this location, the interior one can be built from the plans of those under construction (Captain McKinstry's letter of March 18, 1899, 28660-5) and the flank emplacement from the plan and sections herewith. It is estimated that these two emplacements will cost \$13,000.

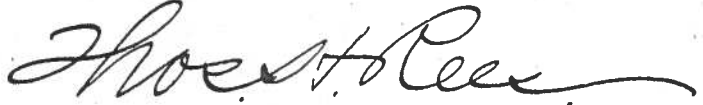
2nd, If it is desired to mount but three 15 pdrs. on the west face of the fort and not to do any work at the Martello Towers at this time, one of the two emplacements under discussion can be built

on one of the flanks of the North Battery of 15 pdr. guns. The plans for the two there under construction (Captain McKinstry's letter of December 15, 1898, 28660-1) will hold for the construction of the third with a few slight changes.

Its estimated cost is \$7,000.

Very respectfully,

Your obedient servant,

A handwritten signature in cursive script, reading "Joseph H. Rice". The signature is written in dark ink and is positioned above the typed name.

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

1 inclo.
(tracing in separate roll).

1906

June 16, 1900.

I therefore recommend that the two emplacements for 15-in. drs. be located on the west front of Fort Taylor, next ad-joining the two already con-structed

W. L. H. Davis

Col., Corps of Engineers, U.S.A.
Div. Eng. S. E. Div.

RECD. OFFICE CHIEF OF ENGINEERS JUN 10 1903

COL., Corps of Engineers, U.S.A.,
Div. Eng. S.E. Div.

THE UNIVERSITY OF CHICAGO

3rd indorsement.

Office Chief of Engineer.

U. S. ARMY,

June 22, 1900.

Incl. 2 in sep. roll.
2nd. Indorsement.
U. S. Engineer Office,
Baltimore, Md.
June 19, 1900.
Respectfully returned to the
Chief of Engineers, U. S. A.

June 22, 1900.

Respectfully returned to Captain Rees, inviting attention to the views and recommendations of the Division Engineer contained in the preceding indorsement.

352225
1
Incl. 2 in sep. roll.
Through Col. PETER C. HAINS
Comps of H

Inclo. 2 in sep. roll.
Through Col. PETER C. HAINES

Division Engineer, Southeast Division.

4th. Indorsement.
U.S. Engineer Office,
Baltimore, Md.

June 25, 1900.

Respectfully transmitted to
Capt. Thos. H. Rees, Corps of Engi-
neers, inviting attention to the
preceding endorsements.

COL., Corps of Engineers, U.S.A.,
Div. Eng. S.E. Div.

REPRODUCED AT THE NATIONAL ARCHIVES

Lach. Dub. H.

Dr. Augustine, Tex.
June 11, 1900.

REPRODUCED FROM THE
ORIGINAL CONFIDENCE
WITH NO. 100, calling for hands and
stimates for two envelope
into for 15¢ per pound at
the day for the submit
tain remarks and estimates

Tracing showing influence
not over one 15-fld. R. 7 gun
well.

Indo. G. S. (Training)

do. 2 in West Wiley, Pa. 76, Pl. 209.

Wm. H. R. Co. of Exrs. JUL 15 1869

2 EASY FEELING

RECEIVED OF EUSH. JUN 21 1900

27

OFFICE FINANCE, BELL CO. June 19, 1903.

FIRST NATIONAL BANK BUILDING.

July 19, 1900.

(Through Colonel Peter C. Hains, Corps of Engineers, Division Engineer, Southeast Division.)

Referring to the construction of emplacements for 15-pdr. R. F. guns at Fort Taylor, Key West, Fla. I would respectfully ask for instruction upon the following point, viz.:- Two emplacements for 15-pdrs. are already constructed in old Fort Taylor. The original plans called for a minimum of three at this site. Two more were recently authorized and provided for by allotment, increasing the number on this site to four, original plans being modified accordingly. Recommendation has recently been made by me for the transfer of one of these guns to Fort Dade, Fla., leaving one additional (three in all) for Fort Taylor. If this recommendation is approved and the transfer made, will this third emplacement at Fort Taylor be a flank emplacement as per original plans, or will it be an interior emplacement, as per modified design assuming that in the future a fourth emplacement will be authorized?

The design for a flank emplacement differs with that for an interior emplacement and it is therefore necessary to have

29. 10. 19

25

Very respectfully,

Your obedient servant,

Robert H. Rens

Captain, Corps of Engineers, U.S. Army.

35225

WAR DEPARTMENT, Fla.

July 19, 1900.

Rees,
Capt. Shea. Ft.

After recommendation for
a third emplacement for 15-
pdr. gun at Fort Taylor, Fla.
you approved, will it be a
flank or an interior em-
placement?

File

Rec'd Eng'r Office, Balto. Aug. 7 1900.
Rec'd Eng'r Office, Balto. Aug. 23 1900.

1st. Indorsement.
U. S. Engineer Office,
Baltimore, Md., 1900.

Respectfully submitted to the
Chief of Engineers, U.S.A.
I recommend that the third
emplacement referred to be an
interior one, and that when funds
can be spared for an additional
emplacement that the next one on
the right be a flank emplacement;
so that the rapid-fire battery
at Fort Taylor will consist of
four 15-pounders.

Colonel, Corps of Engineers, U.S.A.
Div. Eng. S.E. Div.

Office Chief of Engineers,
U.S.A.

July 27, 1900.
Respectfully returned approved
as recommended by the Division En-
gineer in the preceding indorse-
ment.
To be returned.

By order of the
Acting Chief of Engineers:
Joseph B. Stewart
Captain, Corps of Engineers.

Through Col. PETER C. HAINS,
Corps of Engineers,

Division Engineer, Southwest Division.

3rd. Indorsement.
U.S. Engineer Office,
Baltimore, Md., 1900.

Respectfully transmitted to
Capt. Thos. H. Rees, Corps of En-
gineers, U.S.A., inviting atten-
tion to the preceding indorse-
ments.

Col., Corps of Engineers, U.S.A.,
Div. Eng. S. E. Div.

4th Indorsement.
U. S. Engineer Office,
St. Augustine, Fla., Aug. 3, 1900.

Respectfully returned to the Chief
of Engineers, U.S.A., as directed by
preceding indorsements.

Thos. H. Rees
Captain, Corps of Engineers.

5th. Indorsement.
U.S. Engineer Office,
Baltimore, Md., 1900.
Respectfully forwarded to
the Chief of Engineers, U.S.A.

Joseph B. Stewart
Col., Corps of Engineers, U.S.A.
Div. Eng. S.E. Div.

H.

All letters must be addressed to "The Chief of Ordnance, U. S. Army, Washington, D. C."

SUBJECT



Office of the Chief of Ordnance
United States Army

Washington September 25th, 1900.

In replying refer to No. 26289-Encs. 789 & 825.

The Chief of Engineers,

U. S. Army

Sir:

I have the honor to inform you that, upon the request of this Office, the Quartermasters Department has changed the destination of three 15-pounder R. F. guns on R. F. mounts, Nos. 42, 43 and 44 from Fort Travis, Texas, to Fort Taylor, Florida.

Very respectfully

Acting Chief of Ordnance.

CHIEF OF ENGINEERS
28664
SEP 22
WAR DEPARTMENT

Wash, Sep. 25, 1900.

Acting Chief of Ordnance:

States that the Quaker-
masters Department has changed
the destination of three 15-pdr
R. F. guns on B. F. mounds,
Nos. 42, 43 and 44, from
Fort Travis, Texas, to Fort
Jayson, Fla.

35225
6

1st, Indorsement.
Office Chief of Engineers,
U. S. Army.

September 27, 1900.

Respectfully referred to Capt.
C. H. McKinstry, Corps of Engineers
for his information and return to
this office.

By command of Brig. Gen. Wilson:

Thomas V. Smith
Major, Corps of Engineers.

28664
22

2nd Indorsement.
U. S. ENGINEER OFFICE,
St. Augustine, Fla.
October 1, 1900.

Respectfully returned to the
Chief of Engineers, U. S. A., as
directed by preceding indorse-
ment.

Thomas V. Smith
Captain, Corps of Engineers.

RECD. OFFICE CHIEF OF ENGRS. OCT 3 1900

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obt 10/15/98

W 2074
322
18/01

Office of the Chief of Engineers,
United States Army,

Do
Washington, March 18, 1901.

Capt. T. H. Rees,
Corps of Engineers,
Tampa, Fla.

Captain:

With funds appropriated by the fortification appropriation Act approved March 1, 1901, it is proposed to undertake the construction of emplacements for three 15-pounder rapid-fire guns on balanced-pillar mounts at Key West, Fla., one at Fort Taylor, and two at one of the Martello Towers, in accordance with the approved project.

You are requested to submit detailed plans and estimates for the above at your early convenience.

By command of Brig. Gen. Wilson:

Very respectfully,

Your obedient servant,

John A. Smith

Major, Corps of Engineers.

38672

United States Engineer Office.

FIRST NATIONAL BANK BUILDING.

Tampa, Fla.,

April 13, 1901.

Brig. gen. John M. Wilson,

Chief of Engineers, U.S. Army,

(Through Brig. gen. Peter C. Hains, Colonel, Corps of Engineers, U.S.A.,
Division Engineer - Southeast Division.)

Washington, D. C.

General:-

In partial compliance with the requirements of Department letter of March 18, 1901, (E.D. File No. 38,672) I have the honor to submit the following estimate of cost for the construction of one emplacement for a 15-pounder rapid-fire gun at Fort Taylor, Fla. In this connection I would respectfully refer to my letter dated U.S. Engineer Office, St. Augustine, Fla., June 11, 1900, and to the plans submitted at that time for the construction of a right flank emplacement for a 15-pounder R. F. Gun in Fort Taylor. An allotment was made for the construction of an interior emplacement (No. 2) and it has been constructed.

The plans for the other will still hold good for the emplacement now proposed, and the following estimate refers to those plans.

The emplacement to be built will be No. 1, the right flank emplacement of the four called for by the modified project. Nos 4, 3, and 2, have been completed. On the right of No. 1, is the space reserved for 6-pounder R.F. guns.

(Chief of Engineers)

2.

Estimate of Cost:

Purchase of materials as follows:

925 bbls. Portland Cement at \$2.30 per bbl.	\$2,127.50
50 gallons coal tar	7.50
Brass or composition metal door fittings. 70 lbs. at 30 cents per lb.	21.00
eight 12-inch I beams 31-1/2 lbs. per foot	
15 feet long, 3780 lbs. at 3-1/2 cents per lb.	132.30
5 kegs nails at \$3.50 per keg	17.50
Silicia Sand for mortar, 30 cu. yds. at \$2 per cu. yd.	60.00
5440 ft. B.M. lumber at \$25. per M	136.00
Railings and miscellaneous supplies	200.00
Cost of labor, emplacement complete	6,165.00
Supervision and Office expenses	1,050.00
	<hr/>
	\$9,916.80

It is respectfully recommended that an allotment of \$9,900.00 be made from the appropriation of March 1, 1901, for the construction of this emplacement.

The plans and estimate for the construction of two emplacements for 15-pounder rapid-fire guns in one of the Martello Towers will be submitted as soon as they can be prepared.

Very respectfully,

Your obedient servant,

Wm H. Rees
Captain, Corps of Engineers, U.S. Army.

*Five percent for contingencies
would be \$488.25 - \$105.00 is
about 12 percent*

38672

WAR DEPARTMENT

Tampa, Fla.,
April 13, 1901.

REES,
CAPT. THOS. H.

In compliance with F.D. Let-
of March 18, 1901 (38672)
estimate of cost of one
R.F. Gun emplacement at
Taylor, Fla. \$9,916.80;
that an allotment of
be made. In this con-
refers to his letter of
1900 submitting plans
right-flank emplacement
pdr. gun at Fort Taylor.
plans and estimate for
uction of two 15-pdr. F.F.
placements in one of the
tello Towers will be submit-
as soon as they can be pre-
ed.

1st. Indorsement.
U. S. Engineer Office,
Baltimore, Md.
April 15, 1901.

Respectfully submitted to the
Chief of Engineers, U.S.A.
The estimate for this emplace-
ment seems large, in fact is near-
ly \$3,000. Greater than the esti-
mate for the same emplacement in
Captain Rees' letter of June 11,
1900 (35225-1). The excess ap-
pears to be in the item for lab-
or. There is also a slight ex-
cess in the item for supervision.
Labor at Key West ranges at
\$1.75, \$1.50 and \$1.36 per day,
with an average in the last of-
ficial register of \$1.42. Sup-
ervision and office expenses
should not exceed ten per cent.

The plan is recommended for
approval.
Col. Corps of Engineers, U.S.A.,
Div. Eng. S.E. Div.

2d Indorsement.
Office Chief of Engineers,
U. S. Army.

April 17, 1901.

Respectfully returned to Captain
Rees, approved, with the understand-
ing that all possible economy is to
be observed in actual construction,
and that advantage will be taken
of the construction of the two
other 15-pounder emplacements, at
the Martello Tower, to keep down

contingent expenses to the lowest
possible figure. The funds appro-
priated in the last Fortification
Act are barely sufficient to em-
place the guns for which Congress
provided in the same Act. The av-
erage cost for a 15-pounder em-
placement has, up to this time, be-
been \$5,665. It is sincerely
hoped that Captain Rees will be
able to return to the appropriation
a considerable balance after
completing the emplacement.
The sum of \$9,900 is hereby al-
lotted for the purpose from the
appropriation for "Gun and Mortar
Batteries", for construction of
gun batteries, Act of March 1, 1901.
To be returned.

By command of Brig Gen. Wilson
Major, Corps of Engineers.

Through Col. PETER C. HAINS,
Corps of Engineers,
Division Engineer, Southeast Division.

3rd. Indorsement.
U. S. Engineer Office,
Baltimore, Md.
Apr. 18, 1901.
Respectfully transmitted to
Capt. Thos. H. Rees, Corps of Eng-
ineers, U.S.A.

Col. Corps of Engineers, U.S.A.,
Div. Eng. S.E. Div.

4th INDORSEMENT
U. S. ENGINEER OFFICE,
TAMPA, FLA.

April 26, 1901.

Respectfully returned to the
Chief of Engineers through Col.
Peter C. Hains, Corps of Engineers
Div. Eng. S.E. Div.
The apparently high estimate
for this emplacement is due to
the following circumstances:
The crest of the emplacement
is fixed by the height of the
walls of Fort Taylor at a ref-
erence of (27'.0) while the con-
crete of the gun platform and
of the walls of magazine and
bombproof must be carried down
to the floor of the old fort at
a reference of (6'.6). On the
right of this emplacement there
are proposed emplacements for 6-
pdr. guns whose crest is lower
than that of the 15-pdr. emplace-
ments. There is required there-
fore a thick concrete wall to
protect the right flank of the
15-pdr. guns. The amount of con-
crete required is therefore
about twice as much as is needed
in the typical emplacement for
15-pdr. guns. All material and
supplies are very high in price
at this locality. When the es-
timate for this same emplacement
was submitted last year (June
11, 1900) all plant was in place
including brick crusher, conveyo

and concrete mixer. All this plant has been taken down and stored. It will now be necessary to re-install this plant or to crush the brick and mix the concrete by hand. Portions of the plant are worn out and would have to be renewed. For these reasons it is not believed that the estimate is excessive, but the strictest economy of construction will be exercised in the hope that a portion of the allotment may be returned.

Hoar H. Pees

Capt., Corps of Eng'rs,
U.S.A.

5th. Indorsement.
U. S. Engineer Office,
Baltimore, Md.,
April 29, 1901.

Respectfully returned to the Chief of Engineers, U.S.A., a copy having been retained for the files of this office.

W. L. H. H. H.

Col., Corps of Engineers, U.S.A.,
Div. Eng. S.E. Div.

RECD, OFFICE CHIEF OF ENGRS. APR 30 1901

UNITED STATES ENGINEER OFFICE.

JACKSONVILLE, FLA., Sept. 8, 1904.

Brig. Gen. A. Mackenzie,
Chief of Engineers, U. S. Army,
Washington, D.C.

General:-

I have the honour to submit herewith a tracing showing
emplacement No.1, Battery Adair, Key West, Fla., which is
completed in accordance with the approved plans and ready to
be transferred to the artillery.

Very respectfully,

Your obedient servant,

Francis V. Shumpe

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

1 inclosure
(trcg.), in sep.roll.

OFFICE OF CHIEF OF ENGINEERS

SEP 12 3 86 PM '04

WAR DEPARTMENT.

Jacksonville, Fla.,
Sept. 8, 1904.

SHUNK,

CAPT. FRANCIS R.

Submits tracing showing emplacement No. 1, Battery Adair, Key West, Fla., which is completed and ready for transfer to the Art'y.

1 inc. E.D. (tracing).

Shells 3 in High Gate, Br. 76, Dr. 203.

Sept. 10-1904 Letter to the Ady. Secy.

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

September 15, 1904.

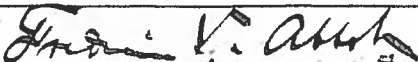
The Military Secretary,

Sir:

1. I have the honor to report the completion of emplacement No. 1, Battery Adair, Fort Taylor, at Key West, Fla., and to recommend that the necessary instructions be now issued for its transfer to the troops for use and care, under the provisions of A. R. 1692.

2. There is submitted, herewith, an outline tracing of the emplacement, showing the drainage system, with notes for the care and maintenance of the emplacement. It is further recommended that this tracing be approved, and, if approved, that the signature of the Secretary of War be affixed thereto and that it be then returned to this office to enable blue prints to be prepared for the information and guidance of all concerned.

Very respectfully,


Acting Chief of Engineers.

38672

2

Inclo. 3. accomp.

MILITARY SECRETARY'S OFFICE

0232239

1004

WAR DEPARTMENT

for the art of war

CHIEF OF ENGINEERS, Sept. 15, 1904.

672

Atty. Gen. of Engineers.
DEPARTMENT.

Completion of 11th placement
fifty Cuban Brigades, the West,
and numerous instructions in
for its transfer to the troops
in 1892. Also recommends
the entire tracing of the
account, however, the appor-
mal that the signature of
key. I have the office's trans-

W.D. & 38672 accg.
W.D. & 38672 accg.

Mr. Edwards

to Atty. Gen. of Engineers
copy to
copy to

SEP 1904

C.M.

1st Indorsement.

WAR DEPARTMENT.

The Military Secretary's Office,
Washington, Sept. 16, 1904.

Respectfully submitted to
the Secretary of War.

The Military Secretary's Office,
(1 encl).



2nd Indorsement.
War Department,
September 19, 1904.

Approved as within recom-
mended.

Robert Stewardson
Acting Secretary of War.

Head Back M.S.O. SEP 20 1904

GAS

3d Indorsement.

WAR DEPARTMENT.

The Military Secretary's Office,
Washington, September 20, 1904.

Respectfully returned
to the Chief of Engineers,
with copy of letter of this
date to the Commanding Gen-
eral, Atlantic Division, and
with the signature of the
Secretary of War affixed to
the accompanying tracing.

Henry D. McGowan
Assistant Adjutant General.

2 Incls.

4th Indorsement.

WAR DEPARTMENT,

OFFICE OF THE CHIEF OF ENGINEERS,
WASHINGTON.

September 23, 1904.
1. Respectfully referred to
Captain F. R. Shunk, Corps of
Engineers, for his information
and guidance.

2. Captain Shunk is requested
to have one or more blue prints
of the tracing posted in the
emplacement to which it per-
tains and to furnish such ad-
ditional copies as may be de-
sired by the Post Commander.
He will also send one copy by
mail to the Engineer Officer
of the Military Division in

which the emplacement is located.
Attention is invited to G.O. No. 65,
H. Q. A., A. G. O., 1901. An in-
spection of the emplacement
should be made by the Engineer Of-
ficer, in person, in company with
the Artillery Officer who is to
sign the receipt.

3. When the necessary record
has been made, these papers will
be returned to this office with
report of date of transfer, and
receipt of the Artillery Officer,
on which the condition of the
emplacement should be stated. An
additional page covering this
emplacement, for incorporation
in the last report of completed
batteries from the Key West Dis-
trict, as requested by Circular
18, of 1903, from this office,
should also accompany these
papers when returned.

By command of Brig. Gen. MacKenzie:

W. V. Clark
Major, Corps of Engineers.

38672

Incls. 5 accomp.
Incls. 3 in sep. roll.

5th indorsement.
U.S. ENGINEER OFFICE,
Jacksonville, Fla., Oct. 26, 1904.

1. Respectfully returned to the Chief of Engineers, U.S. Army.
2. The emplacement was transferred on October 13, 1904.
3. The instructions contained in paragraph 2 of 4th indorsement hereon have been complied with.
4. A copy of receipt of the artillery officer and an additional page for insertion in my last report of completed batteries are herewith, as directed.

James B. Smith

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

3 inclos., accompg.
1 inclo., (trcg.) in sep. roll.

RECEIVED OFFICE OF THE CHIEF OF ENGINEERS, U.S. ARMY, OCT 27 1904