

**Primary Battery File**

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

**Record Group 77**

**Correspondence of the Chief of Engineers**

**Entry 103**

**File, Fort, Battery:**

43492

Ft. Wool

Btty Hindman

ENGINEER OFFICE, U. S. ARMY,  
CUSTOM HOUSE,

Southern Bell  
Telephone 1631.

Norfolk, Va., November 20, 1902.

Brig. Gen. G. L. Gillespie,  
Chief of Engineers, U. S. Army,  
Washington, D. C.

General:

1. In compliance with Department letter of June 27, 1902, 43492, I have the honor to submit the following estimate, and the plans forwarded by to-day's mail, in a separate package, for two emplacements for 15-pdr. rapid-fire guns on pedestal mounts at Fort Wool, Va.

ESTIMATE.

Removing a portion of present work and preparing site to commence work,-----	\$2,500.00
Mixing, placing and ramming in position about 604 cubic yards of Portland concrete, @ \$8 per cubic yard,-----	4,832.00
Mixing, placing and ramming in slope about 298 cubic yards of Portland concrete, @ \$8 per cubic yard,-----	2,384.00
16,400 feet, B. M., of Yellow Pine lumber, @ \$17 per M,--	278.80
Labor, putting up sheathing, bracing, etc.,-----	470.00
3,950 pounds of steel I and channel beams, @ 3¢,-----	118.50
Handling and setting beams,-----	75.00
550 square feet of partition tile, @ 10¢,-----	55.00
400 square feet of hollow brick, @ 17¢,-----	68.00
Handling and setting hollow brick and partition tile,----	65.00
1,300 square feet of waterproof paper, @ 1-1/4¢,-----	16.25
Laying and covering waterproof paper with asphalt, etc.,-	30.00
5 barrels of asphalt, @ \$6,-----	30.00
3 barrels of coal-tar, @ \$5,-----	15.00
550 cubic yards of sand for use in concrete and sand fill, @ \$1,-----	550.00
908 pounds of cast-iron for anchor rings and catch basins, @ 3¢,-----	27.24
Amount carried forward,-----	\$11,514.79

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Amount brought forward,-----	\$11,514.79 .
20 steel hold-down bolts, 1-3/8" diameter, 3' 9" long	29.88 .
over all, 498 pounds, @ 6¢ per lb.,-----	12.00
60 lineal feet of 4" cast-iron drain pipe, @ 20¢,-----	100.00
Taking down sheathing and dressing walls,-----	40.00
Hardware, nails, locks, hinges, etc.,-----	25.00 .
Painting,-----	10.40
80 lineal feet of 2" galvanized-iron pipe for	5.50 .
railing, @ 13¢,-----	165.00
Connections for hand railing,-----	750.00
30 tons of coal, @ \$5.50,-----	200.00
Transportation of workmen, etc.,-----	150.00
Watchman,-----	385.00
Preparing drawings and making estimates,-----	
1,100 square feet of granolithic finish, @ 35¢,-----	\$13,387.57
	1,412.43
Contingencies,-----	
Total,-----	\$14,800.00

2. The plans follow closely the type design issued with the 5th Supplement to Mimeograph No. 30, except that the distance between gun centers is 6 inches greater, and the dimensions of the implement rooms are not exactly the same as the type design.

3. The parapet of the battery is to be wholly of concrete, as in the case of the other battery of the same caliber now under construction at this fort, it being deemed impracticable to maintain a sand parapet so close to the water's edge as these emplacements will be located.

4. The location of this battery, which is shown by sketch in the lefthand lower corner of the plans, is in accordance with the position assigned to it in the approved project for the defense of this locality.

Respectfully submitted,

*James D. Morrison*  
Major, Corps of Engineers,

1868 F. W.

1 inclosure, sep. pkge.

Through Colonel Peter C. Hains,

Corps of Engineers, U. S. Army,

Division Engineer, Southeast Division.

U. S. Army,

43492  
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1868  
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W/AS RECAPIENT

Norfolk, Va.,  
Nov. 20, 1902.

8688

QUINN,  
Maj. James B.

In compliance with E.D. let-  
let of June 27, 1902--42492--sub-  
mits plans and estimate (\$14,800)  
for two emplacements for 15-pdr.  
guns at Fort Wool, Va.

*James B. Quinn*

*James B. Quinn*

*James B. Quinn*

HEADQUARTERS, CORPUS OF ENGINEERS, U.S. ARMY, 1902

*Rec'd. in 28 Nov 1902*

Rec'd. Eng. Of. Balto. Nov. 21, 1902.

A Rec'd. Eng. Of. Balto. Nov. 21, 1902

1st. Indorsement.  
U.S. Engineer Office,  
Baltimore, Md.,  
November 26, 1902.  
Respectfully submitted to  
the Chief of Engineers, U.S.A.  
Approval recommended.

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

2d Indorsement.  
Chief of Engineers,  
U.S. ARMY.

December 2, 1902.

Respectfully returned approved.  
An allotment of \$14,800 for the  
purpose is hereby made from the  
appropriation for "Gun and Mortar  
Batteries," for construction of  
gun batteries, Act of June 6,  
1902.  
To be returned.

By command of Brig. Gen. Gillespie:

*James V. Quinn*  
Major, Corps of Engineers.

43492  
1  
Inclo. 2 in sep. roll.

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

3rd. Indorsement.  
U. S. Engineer Office,  
Baltimore, Md.,  
Dec. 4, 1902.  
Respectfully transmitted to  
Maj. James B. Quinn, Corps of  
Engineers, inviting attention  
to the preceding indorsements.

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

4th indorsement.  
Engineer Office, U.S. Army,  
Norfolk, Va., Dec. 5, 1902.

Respectfully returned to  
the Chief of Engineers, U.S. Army,  
as directed in the 2nd indorse-  
ment hereon.

Major, Corps of Engineers,  
1868 F. W. U.S. ARMY.

1 inclosure in sep. roll.

HEADQUARTERS OF ENGINEERS DEC 12 1902