

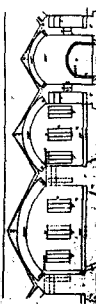
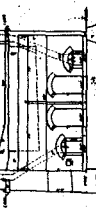
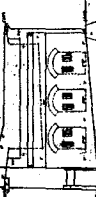
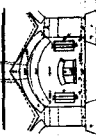
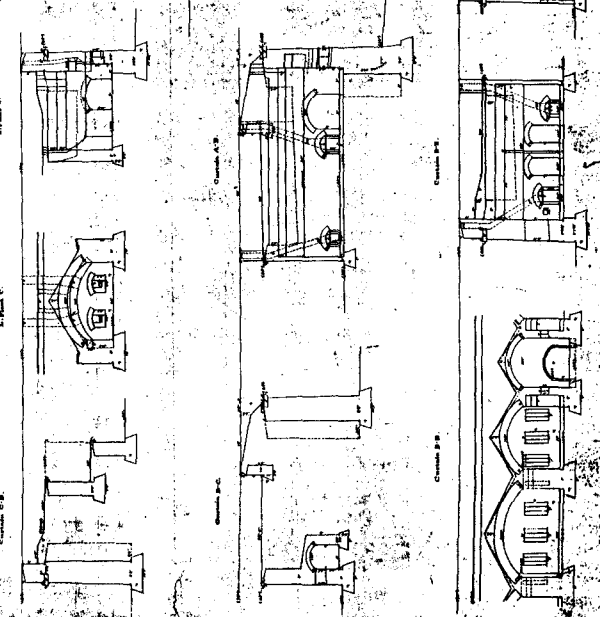
FORT INDEPENDENCE

See plan of the fort
in the
of the fort

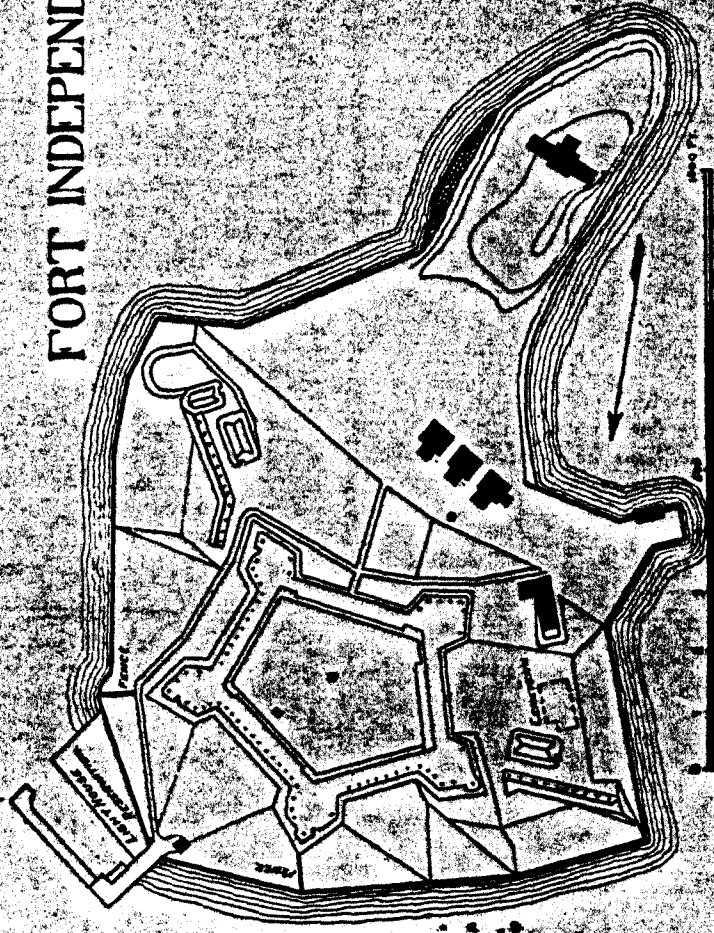
The fort is situated on a high point of land, and is surrounded by a wide moat. The fort is built of masonry, and is of a circular shape. The fort is surrounded by a wide moat, and is situated on a high point of land. The fort is built of masonry, and is of a circular shape. The fort is surrounded by a wide moat, and is situated on a high point of land. The fort is built of masonry, and is of a circular shape.

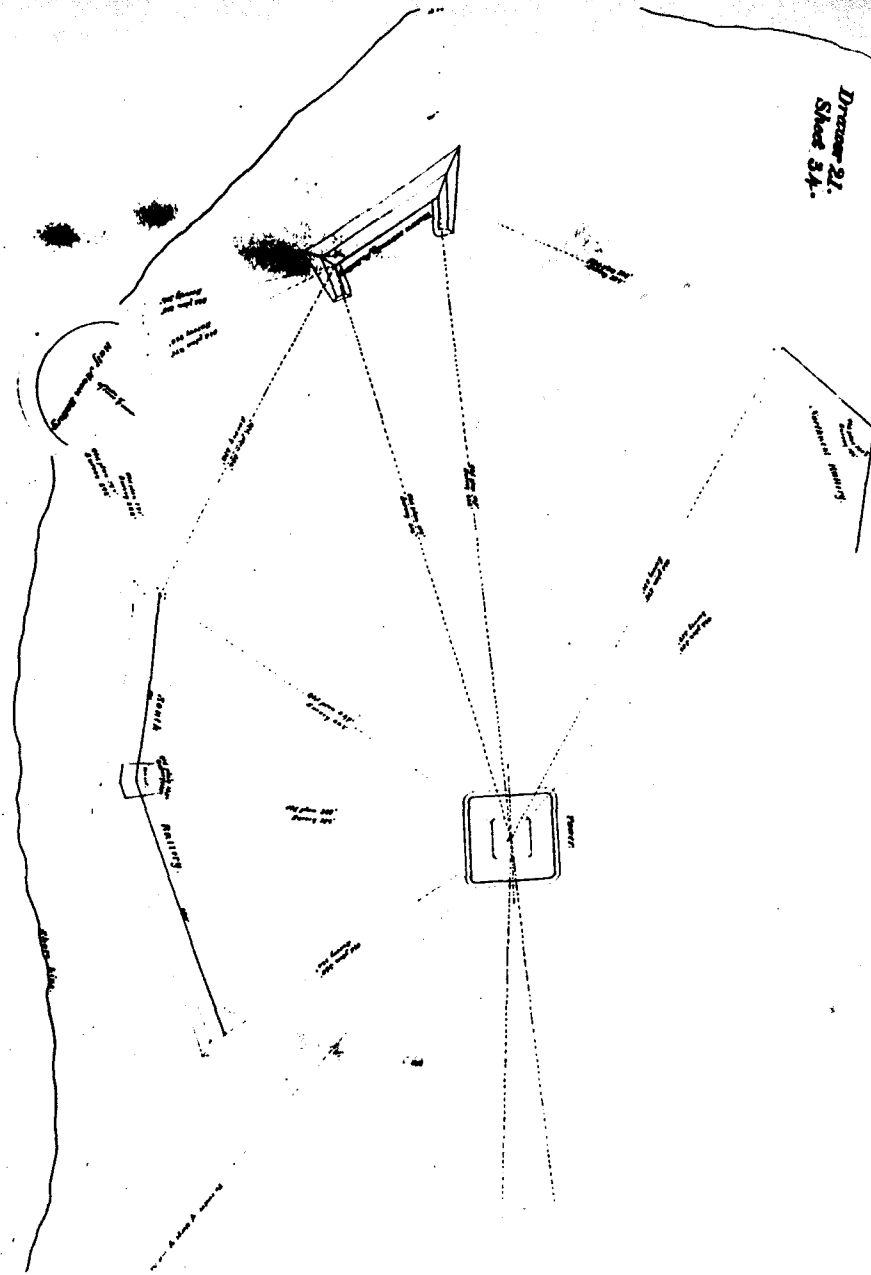
See plan of the fort
in the
of the fort

See plan of the fort
in the
of the fort



FORT INDEPENDENCE.





Distances from Tower Keep to batteries

NOTES.

All the Barbette Platforms are reinforced and prepared for guns of modern calibre, excepting Nos. 22 and 23, which are reinforced but have the old 2" pintle.

The Barbette Platforms are numbered in red, and the Casemate Platforms in black.

At No. 75 a center-pintle Platform is to be constructed for a 16" Rodman Gun.

At No. 70 a front-pintle do do do do do.

Total amount of metal, in pounds, that can be discharged at one round from all the guns now mounted on the channel or water fronts 9222 lbs.

Same item 1866 8646 lbs.

do. 1867 5096 lbs.

Guns Mounted.

Casemate.

10 in. Rodmans 8

8 in. Columbiads 6

24 pdr. Howitzers 20

Total casemate 34

Barbette.

Main Work,

15 in. Rodmans 4

10 in. do 24

East Battery, do do 12

West do, do do 10

Total Barbette 50

do. Casemate 34

Aggregate Casemate and Barbette 84

Mortars.

Main Work,

10 in. Sea-coast 1

8 in. Siege 1

West Battery, 10 in. Sea-coast 2

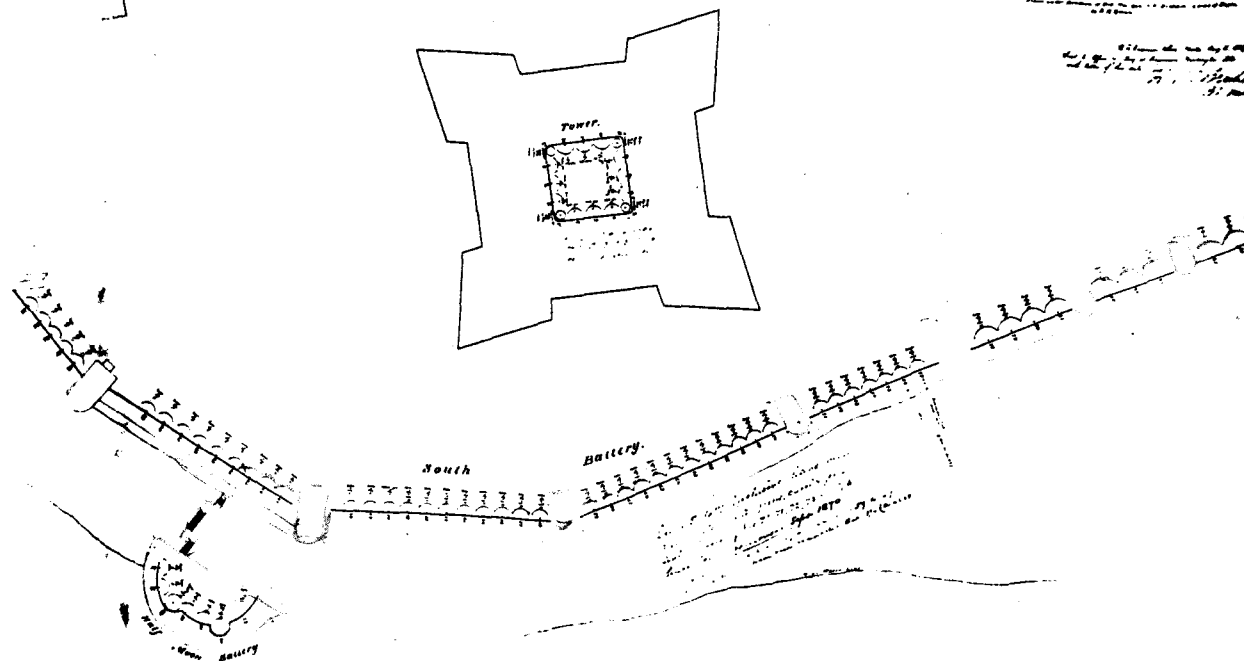
Total 4

Respectfully forwarded
to the Engineer Department
with letter of the date (1869 12 21)
A. W. Stephens
Jan 16, 1869
Chief Engineer
Fort Mifflin

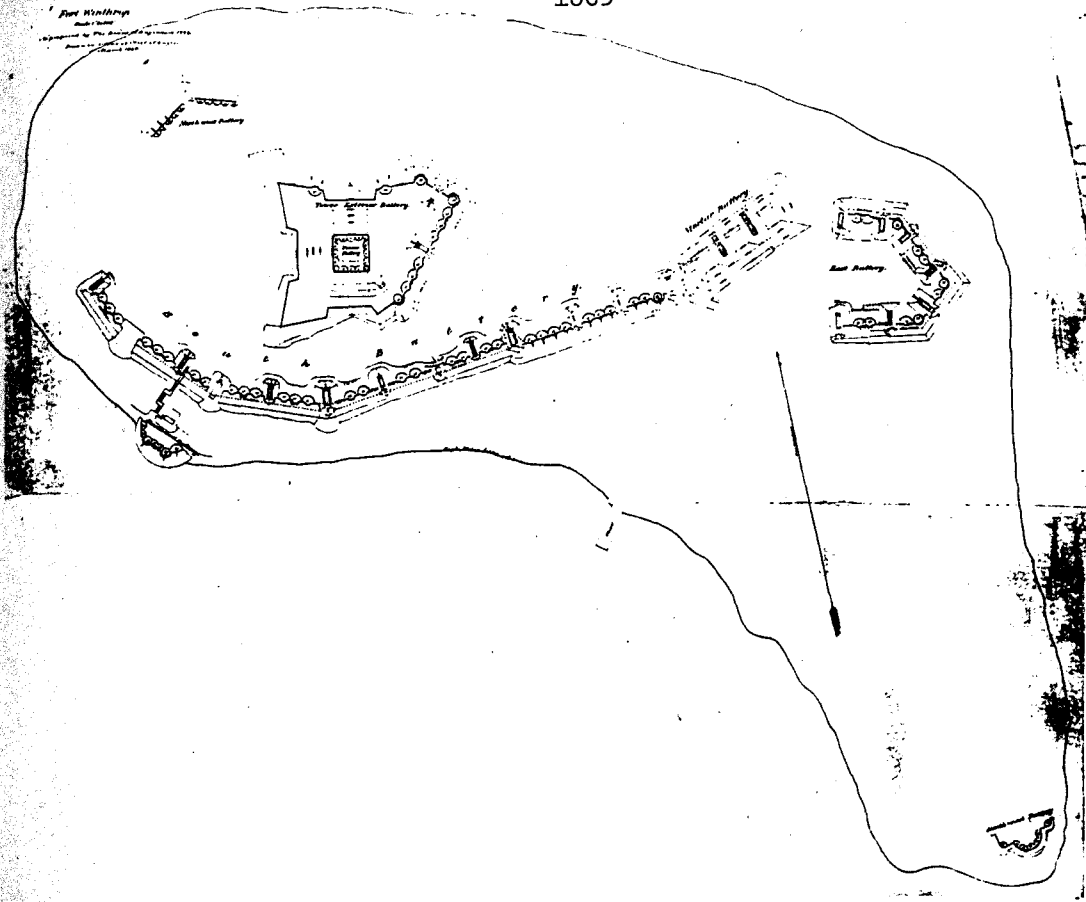
A hand-drawn sketch of a trench. On the left side, there is a machine gun position indicated by a tripod and a gun. The trench extends to the right. The text "Trench Wall Battery" is written inside the trench.

Exhibit A, July 1963

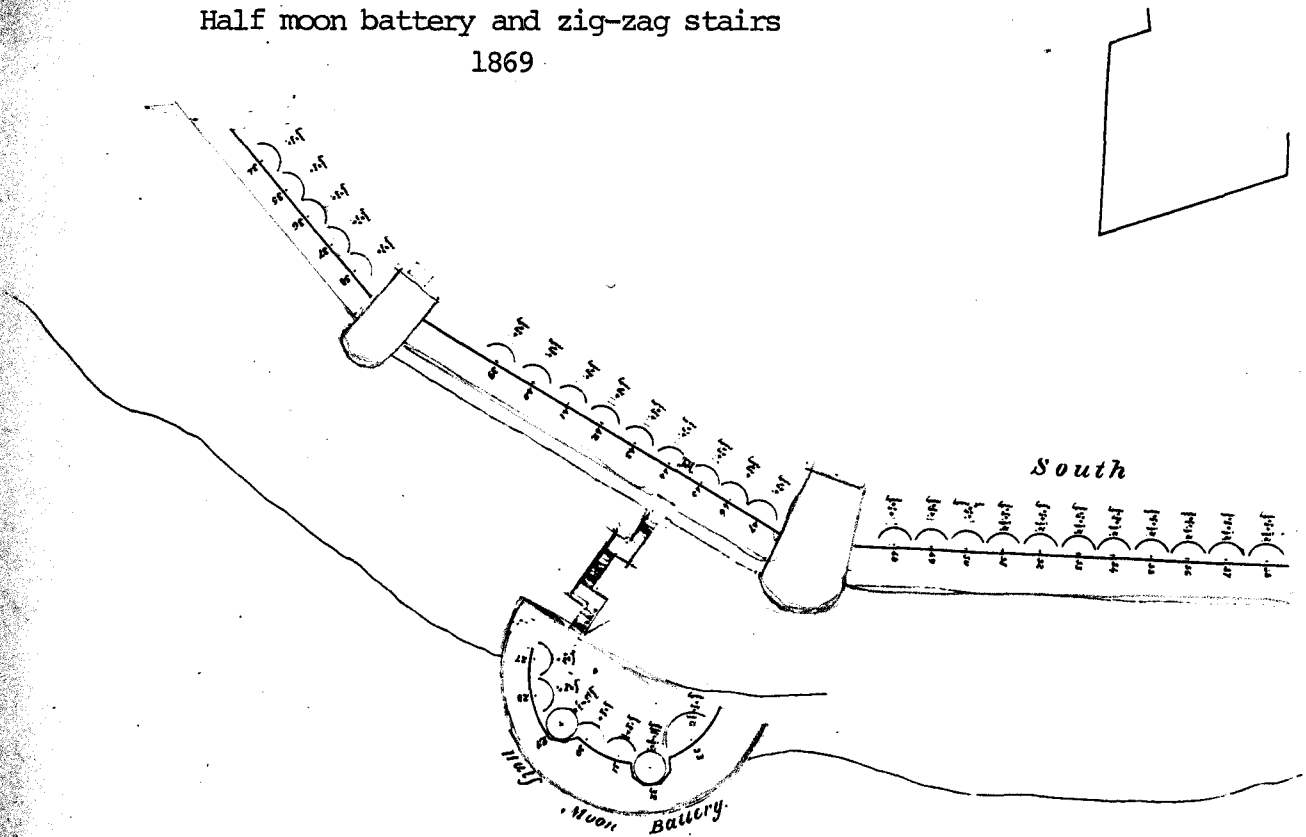
[Faint handwritten notes at bottom of page]

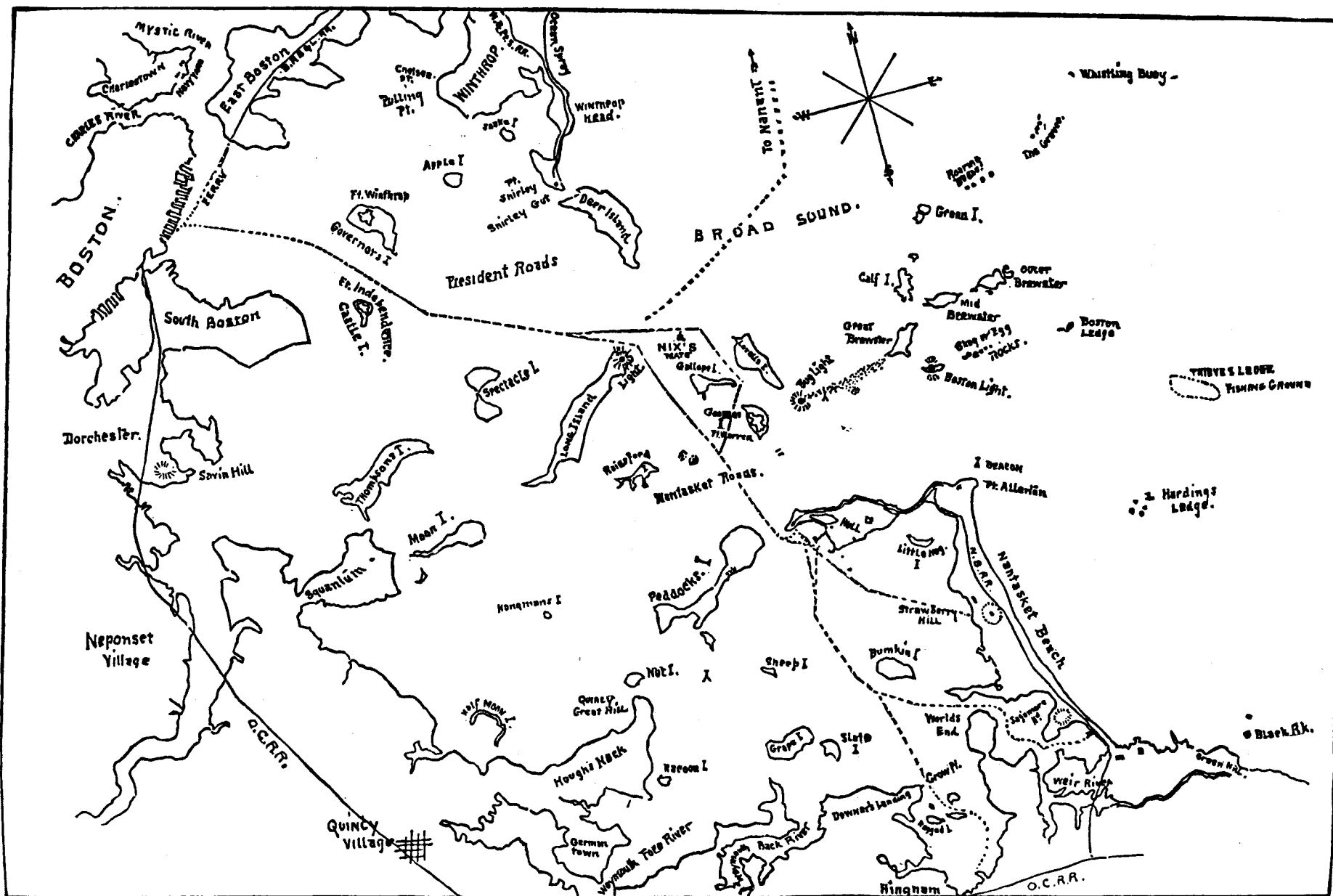


1869

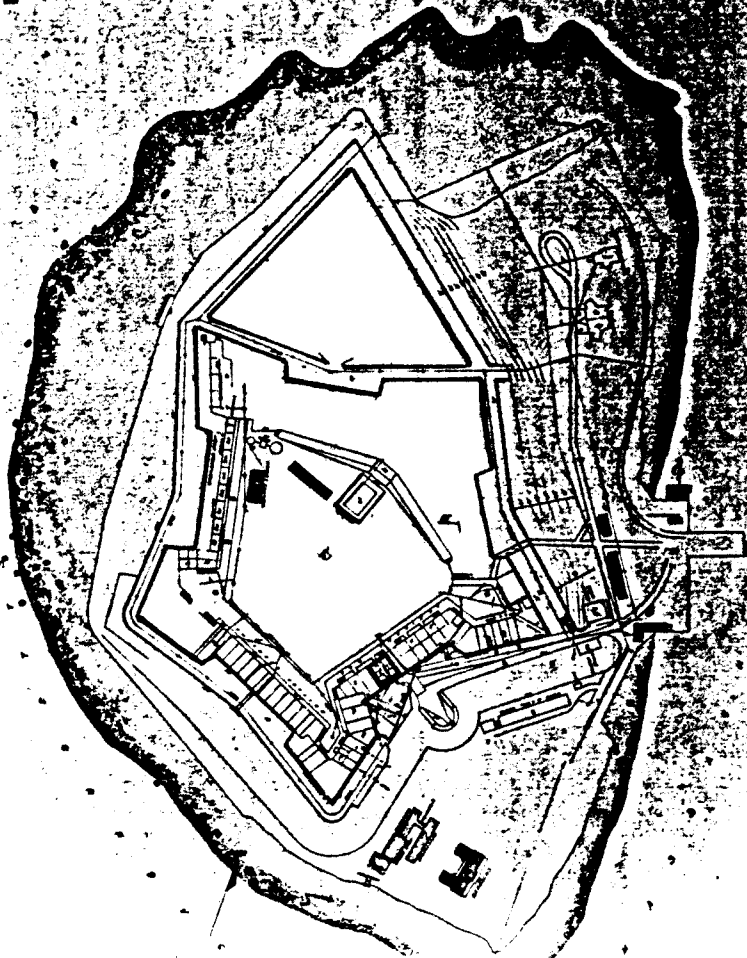


Half moon battery and zig-zag stairs
1869





OUTLINE MAP OF BOSTON HARBOR.



WARREN, MASSACHUSETTS

A820.



The length above low water at the time of the squamates is noted on the curves as fluctuations — the curves are about 14.6' (considering with the breadth water area).

James Murray
May 24 - 1894
May 25 - 1894
May 26 - 1894
May 27 - 1894
May 28 - 1894
May 29 - 1894
May 30 - 1894
May 31 - 1894
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December 28 - 1894
December 29 - 1894
December 30 - 1894

2. The New Report of Peter Murray, as reported by the *Journal of Biological Chemistry*, May 19, 1930, regarding the presence of a factor in milk which causes the curdling of milk, is of interest.

196

PLAN AND PROFILES
OF A FORT PROJECTED
FOR
GEORGES ISLAND

vicinity of our first house on a mountain

[illegible]

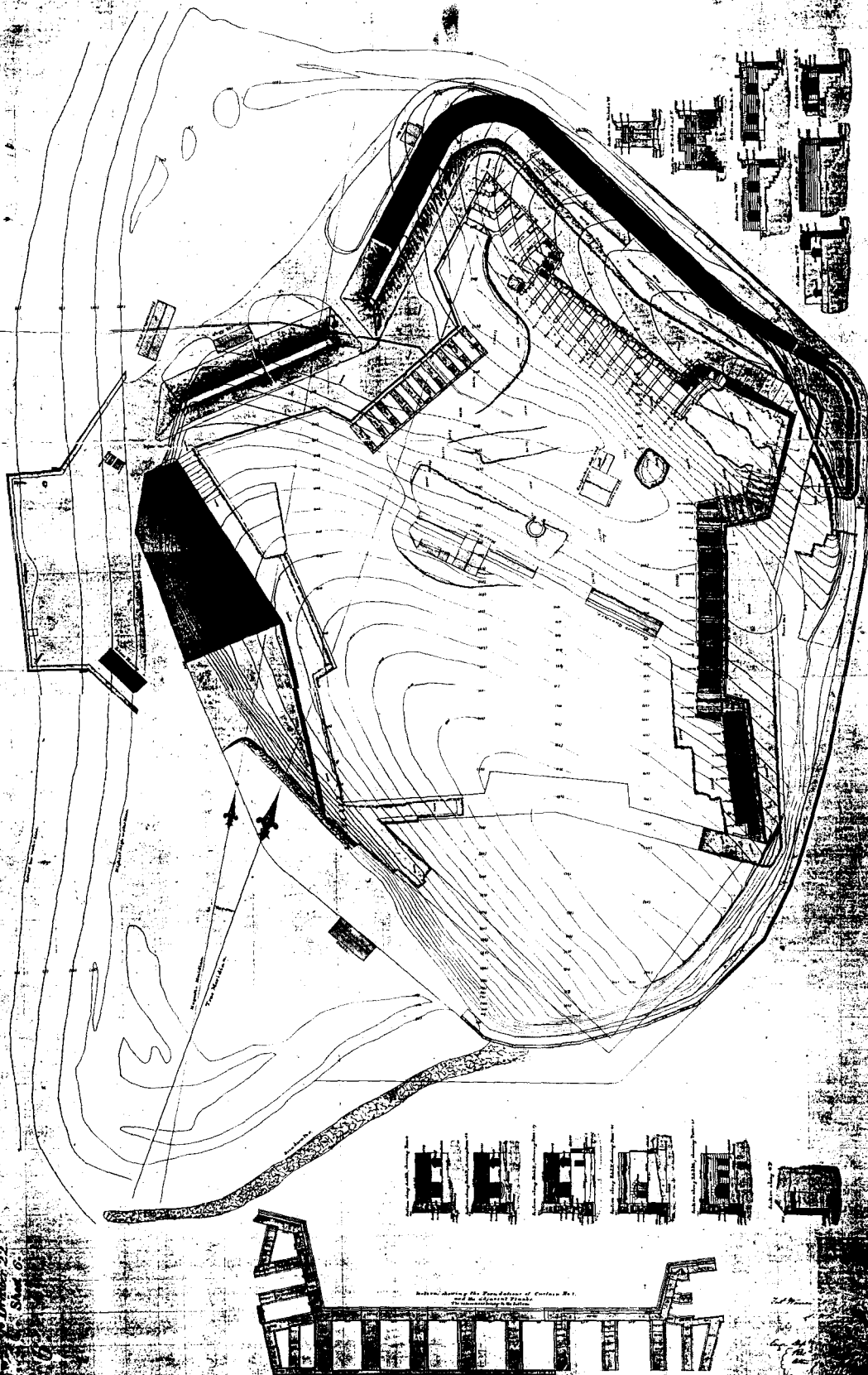
BOSTON HARBOUR.

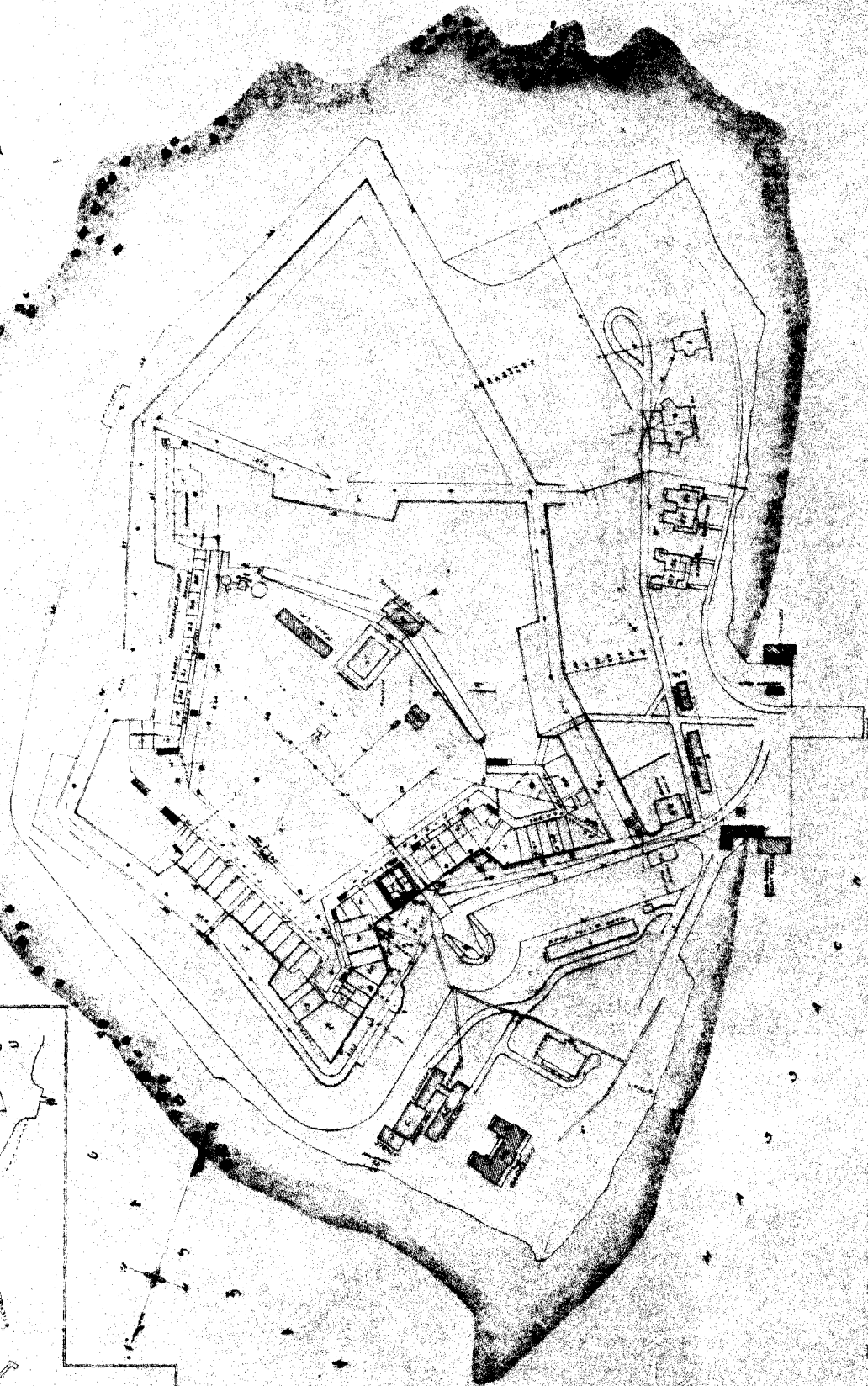
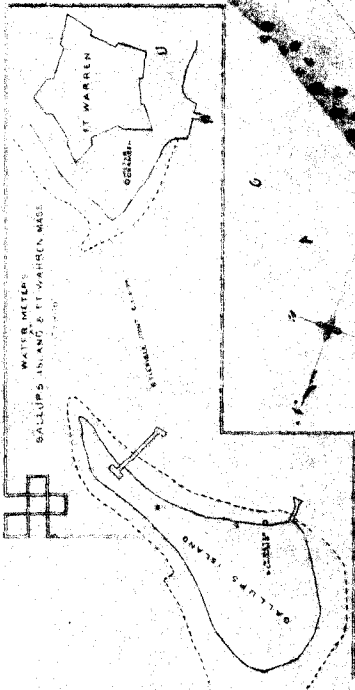
PLAN & SECTIONS OF FORT WARREN, GEORGE'S ISLAND, N.O.

EXHIBITING THE CONDITION OF THE WORK ON THE 10th OF SEPTEMBER 1864

Drawn under the direction of S. THAYER Lt Col of Eng'rs West. Col. Supd.

Scale 50 Feet to the Inch or 40





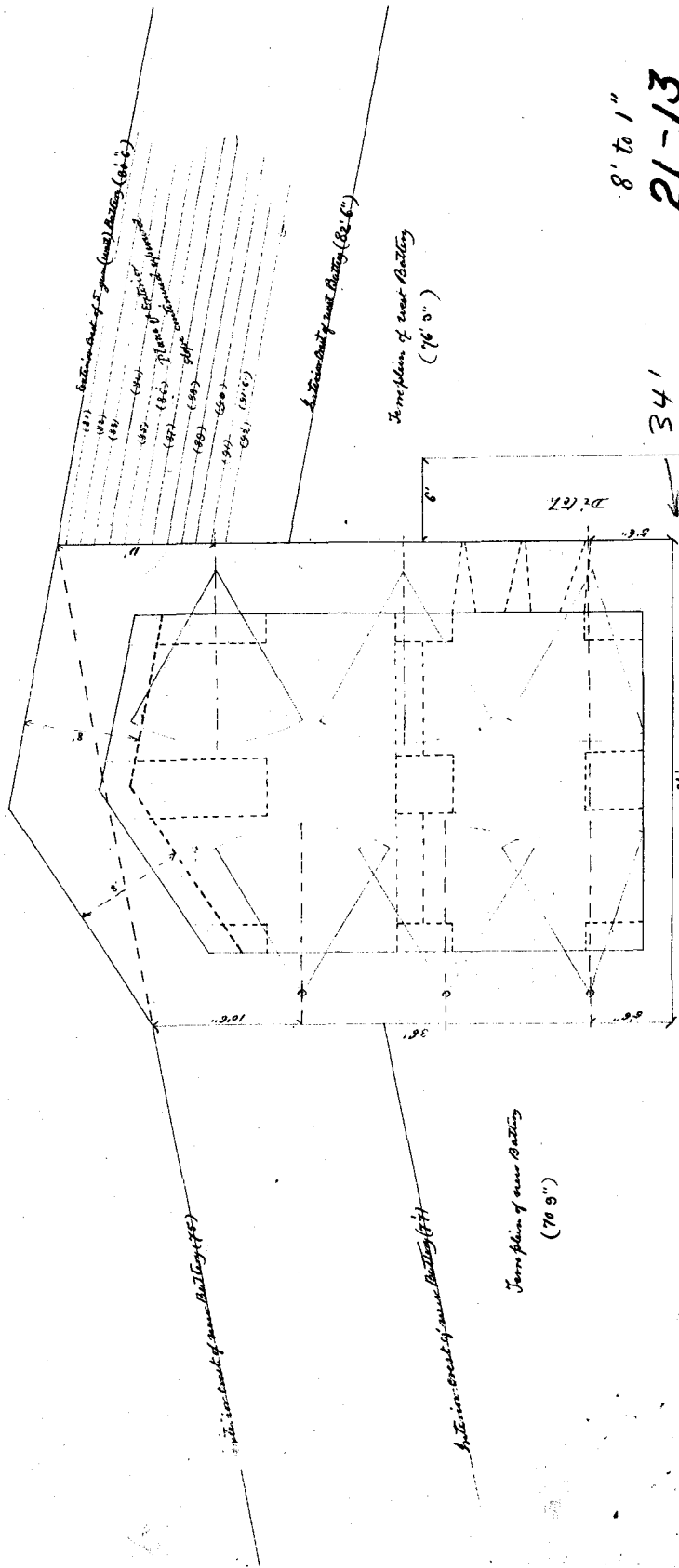
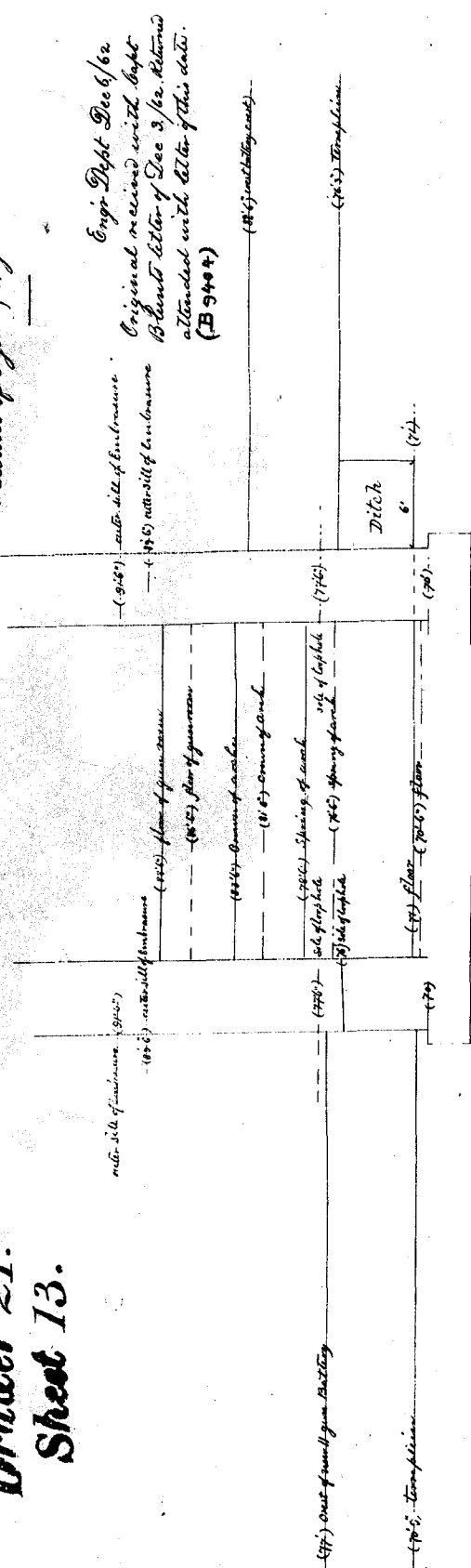
FORT WARREN, MASSACHUSETTS.

GENERAL STAFF MAP COLLECTION
FILE CANCELLED

Do not mark or mutilate maps from UNITED STATES
 as soon as possible. Get your register. 317 H-OM 2 V

Drawer 21.
Sheet 13.

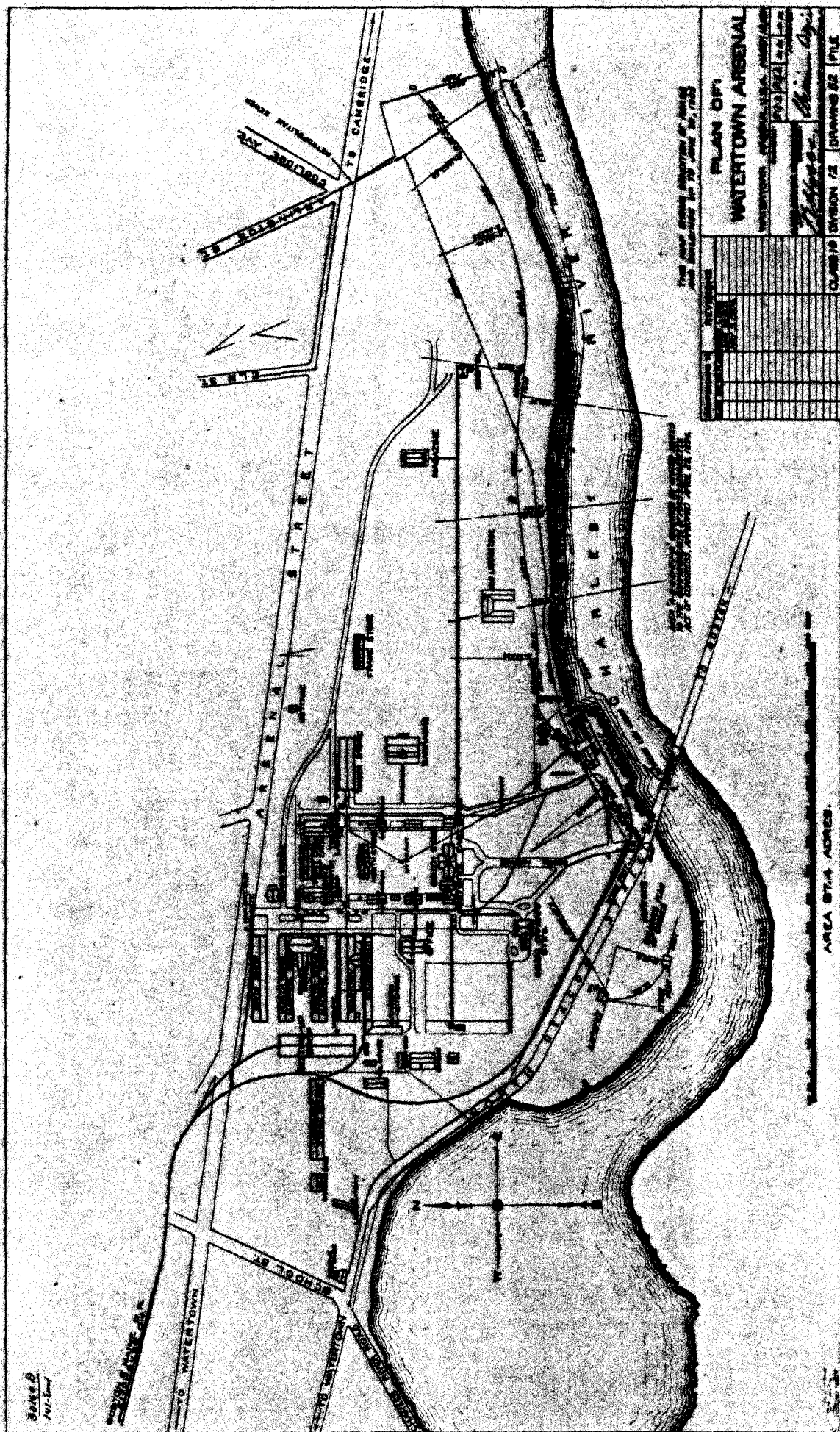
Recht of 5 gun & 11 gun Batteries



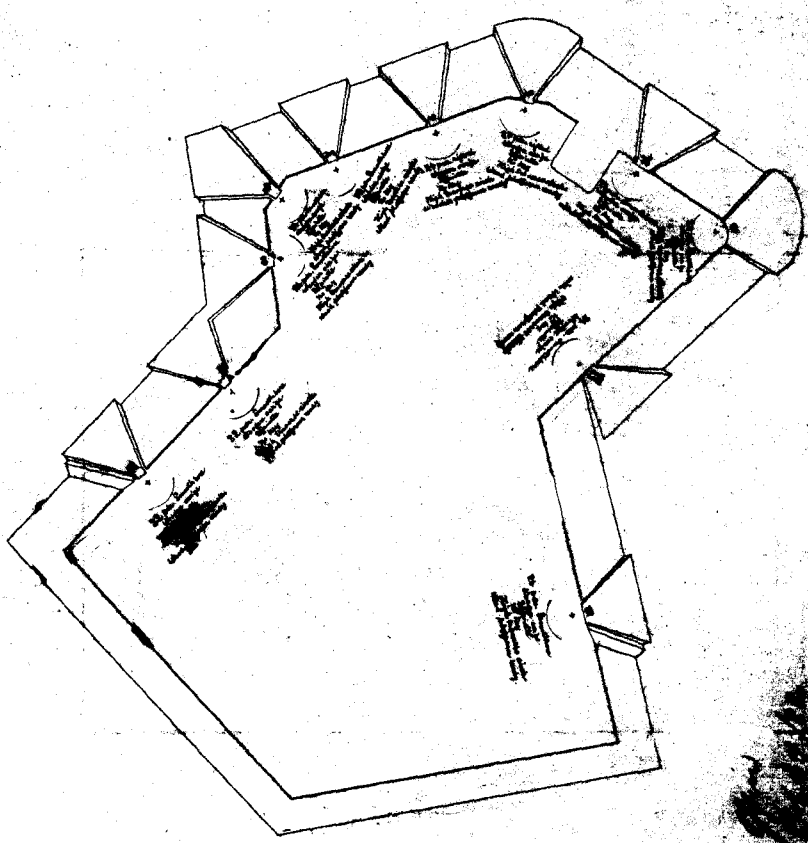
8' to 1"

21-13

341



Fort Pickens
 March 1892
 p. 100



U.S. Army
 Fort Pickens

March 1892
 p. 100

March 1892
 p. 100

Fort Lowell, Marblehead Har., Mass.

* fixing the work exchange
act in parent

Umsatzwert Einfuhr

45

28-1

Page 208
Vol. 13-1

Fort Pickering, Salem Harbor, Mass

	Smooth bore Guns										Rifled Guns				
	20 inch	25 inch	13 inch	10 inch	8 inch	6 inch Gun-Crest Howitzer	62 Pdrs	32 Pdrs	26 Pdrs	18 Pdrs	12 Pdrs	18 Pdrs Slope or Field	12 Pdrs Slope Field	24 Pdr Blank Howitzer	Mortars
Guns mounted January 31. 1865	(Casemate)														
	Barbette														
Guns & Carriages on hand not mounted January 31/65	(Casemate)														
	Barbette														

	20 inch	25 or 23 inch	10 & 8 inch smooth bore 500-700- or 1000 Round Rifle	Smaller Calibre Platform not preferred	Blank Howitzer
	(Casemate)				
	Barbette				
Platform ready for Guns on 31. Jan'y. 65. exclusive of those of which Guns are mounted at that date.	(Casemate)				
	Barbette				
Additional Platforms probably ready by 30. Decemr. 65. those on which Guns are mounted, and those ready for Guns on 31. Jan'y. 65.	(Casemate)				
	Barbette				

	No of Platforms
Total number of platforms (Casemate probably ready by 30. Decemr. 1865)	
	Barbette
Total Armament of work when completed	
	Barbette
	11

g firing through embayment but in harbor.

un-ammnt complete

J. P. ...

Decemr. 26 1865

Fort Gloven - Marblehead Harb. Mass.

	Smooth bore Guns										Rifled Guns																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	20 inch	25 inch	30 inch	36 inch	42 inch	48 inch	54 inch	60 inch	66 inch	72 inch	78 inch	84 inch	90 inch	96 inch	102 inch	108 inch	114 inch	120 inch	126 inch	132 inch	138 inch	144 inch	150 inch	156 inch	162 inch	168 inch	174 inch	180 inch	186 inch	192 inch	198 inch	204 inch	210 inch	216 inch	222 inch	228 inch	234 inch	240 inch	246 inch	252 inch	258 inch	264 inch	270 inch	276 inch	282 inch	288 inch	294 inch	300 inch	306 inch	312 inch	318 inch	324 inch	330 inch	336 inch	342 inch	348 inch	354 inch	360 inch	366 inch	372 inch	378 inch	384 inch	390 inch	396 inch	402 inch	408 inch	414 inch	420 inch	426 inch	432 inch	438 inch	444 inch	450 inch	456 inch	462 inch	468 inch	474 inch	480 inch	486 inch	492 inch	498 inch	504 inch	510 inch	516 inch	522 inch	528 inch	534 inch	540 inch	546 inch	552 inch	558 inch	564 inch	570 inch	576 inch	582 inch	588 inch	594 inch	600 inch	606 inch	612 inch	618 inch	624 inch	630 inch	636 inch	642 inch	648 inch	654 inch	660 inch	666 inch	672 inch	678 inch	684 inch	690 inch	696 inch	702 inch	708 inch	714 inch	720 inch	726 inch	732 inch	738 inch	744 inch	750 inch	756 inch	762 inch	768 inch	774 inch	780 inch	786 inch	792 inch	798 inch	804 inch	810 inch	816 inch	822 inch	828 inch	834 inch	840 inch	846 inch	852 inch	858 inch	864 inch	870 inch	876 inch	882 inch	888 inch	894 inch	900 inch	906 inch	912 inch	918 inch	924 inch	930 inch	936 inch	942 inch	948 inch	954 inch	960 inch	966 inch	972 inch	978 inch	984 inch	990 inch	996 inch	1002 inch	1008 inch	1014 inch	1020 inch	1026 inch	1032 inch	1038 inch	1044 inch	1050 inch	1056 inch	1062 inch	1068 inch	1074 inch	1080 inch	1086 inch	1092 inch	1098 inch	1104 inch	1110 inch	1116 inch	1122 inch	1128 inch	1134 inch	1140 inch	1146 inch	1152 inch	1158 inch	1164 inch	1170 inch	1176 inch	1182 inch	1188 inch	1194 inch	1200 inch	1206 inch	1212 inch	1218 inch	1224 inch	1230 inch	1236 inch	1242 inch	1248 inch	1254 inch	1260 inch	1266 inch	1272 inch	1278 inch	1284 inch	1290 inch	1296 inch	1302 inch	1308 inch	1314 inch	1320 inch	1326 inch	1332 inch	1338 inch	1344 inch	1350 inch	1356 inch	1362 inch	1368 inch	1374 inch	1380 inch	1386 inch	1392 inch	1398 inch	1404 inch	1410 inch	1416 inch	1422 inch	1428 inch	1434 inch	1440 inch	1446 inch	1452 inch	1458 inch	1464 inch	1470 inch	1476 inch	1482 inch	1488 inch	1494 inch	1500 inch	1506 inch	1512 inch	1518 inch	1524 inch	1530 inch	1536 inch	1542 inch	1548 inch	1554 inch	1560 inch	1566 inch	1572 inch	1578 inch	1584 inch	1590 inch	1596 inch	1602 inch	1608 inch	1614 inch	1620 inch	1626 inch	1632 inch	1638 inch	1644 inch	1650 inch	1656 inch	1662 inch	1668 inch	1674 inch	1680 inch	1686 inch	1692 inch	1698 inch	1704 inch	1710 inch	1716 inch	1722 inch	1728 inch	1734 inch	1740 inch	1746 inch	1752 inch	1758 inch	1764 inch	1770 inch	1776 inch	1782 inch	1788 inch	1794 inch	1800 inch	1806 inch	1812 inch	1818 inch	1824 inch	1830 inch	1836 inch	1842 inch	1848 inch	1854 inch	1860 inch	1866 inch	1872 inch	1878 inch	1884 inch	1890 inch	1896 inch	1902 inch	1908 inch	1914 inch	1920 inch	1926 inch	1932 inch	1938 inch	1944 inch	1950 inch	1956 inch	1962 inch	1968 inch	1974 inch	1980 inch	1986 inch	1992 inch	1998 inch	2004 inch	2010 inch	2016 inch	2022 inch	2028 inch	2034 inch	2040 inch	2046 inch	2052 inch	2058 inch	2064 inch	2070 inch	2076 inch	2082 inch	2088 inch	2094 inch	2100 inch	2106 inch	2112 inch	2118 inch	2124 inch	2130 inch	2136 inch	2142 inch	2148 inch	2154 inch	2160 inch	2166 inch	2172 inch	2178 inch	2184 inch	2190 inch	2196 inch	2202 inch	2208 inch	2214 inch	2220 inch	2226 inch	2232 inch	2238 inch	2244 inch	2250 inch	2256 inch	2262 inch	2268 inch	2274 inch	2280 inch	2286 inch	2292 inch	2298 inch	2304 inch	2310 inch	2316 inch	2322 inch	2328 inch	2334 inch	2340 inch	2346 inch	2352 inch	2358 inch	2364 inch	2370 inch	2376 inch	2382 inch	2388 inch	2394 inch	2400 inch	2406 inch	2412 inch	2418 inch	2424 inch	2430 inch	2436 inch	2442 inch	2448 inch	2454 inch	2460 inch	2466 inch	2472 inch	2478 inch	2484 inch	2490 inch	2496 inch	2502 inch	2508 inch	2514 inch	2520 inch	2526 inch	2532 inch	2538 inch	2544 inch	2550 inch	2556 inch	2562 inch	2568 inch	2574 inch	2580 inch	2586 inch	2592 inch	2598 inch	2604 inch	2610 inch	2616 inch	2622 inch	2628 inch	2634 inch	2640 inch	2646 inch	2652 inch	2658 inch	2664 inch	2670 inch	2676 inch	2682 inch	2688 inch	2694 inch	2700 inch	2706 inch	2712 inch	2718 inch	2724 inch	2730 inch	2736 inch	2742 inch	2748 inch	2754 inch	2760 inch	2766 inch	2772 inch	2778 inch	2784 inch	2790 inch	2796 inch	2802 inch	2808 inch	2814 inch	2820 inch	2826 inch	2832 inch	2838 inch	2844 inch	2850 inch	2856 inch	2862 inch	2868 inch	2874 inch	2880 inch	2886 inch	2892 inch	2898 inch	2904 inch	2910 inch	2916 inch	2922 inch	2928 inch	2934 inch	2940 inch	2946 inch	2952 inch	2958 inch	2964 inch	2970 inch	2976 inch	2982 inch	2988 inch	2994 inch	3000 inch																																																																																																																	
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*wooden sub-plateform, ready
intended for artistic finish
gener. with wooden
plateform.

[illegible]

No of Platforms	Total number of platforms probably ready or in process 1865	Casemates Batteries	Total Armaments of each where completed	3

E. Plummer
 May 17 1877
 Drawer 248
 Street 5-1

[illegible]

* wonder platform
argument complete

March 24/1

of on viz. parapety }
of the field work }

* Mounted at
embarked 8.45 P.
3.44 of this field
work, as shown in
I have sent to me from
the Engineer Dept. on
10th July 1893.

Embrace

	Nº of Platforms		
Total number of platforms { probably ready by go. <i>Cane 1865</i>	{ Casemate Barbette		
Total Armament: of work when completed.	{ Casemate Barbette	No. 0	The Two

Total Armament:	Miss.	for 52 lbs. rifled gun in embrasure round
of which were completed.	Barbette	One twelve pounder siege gun with field carriage. 100

shown in plan above reg'd. red. to. The remaining
six platforms for embrasure guns completed & 50
ready for armament above named. 100 Macan. 50 lbs. D.C.
50 lbs. D.C.

Black 1-1

Fort Conant, Gloucester Harbor (Mass)

		Smooth bore Guns														Rifled Guns						
		20	25	13	10	8	8	12	12	12	12	12	12	12	12	300	200	100	42	32	26	
		inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	Pdrs	Pdrs	Pdrs	Pdrs	Pdrs	Pdrs	
Guns mounted January 31, 1865	Casemate	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Barbette																					
Guns & Carriages on hand - not mounted Jan'y 31, 1865	Casemate																					
	Barbette																					

		20	15 or 13	10 & 8	Smaller				
		inch	inch	inch	Calibre	Platforms	Rank		
					not yet				
					reformed				
Platforms ready for Guns on 31, Jan'y 1865 - exclusive of those on which Guns are mounted at that date.	Casemate	○	○	○	○	○	○	○	○
	Barbette								
Additional Platforms probably ready by 30, Nov 1865 (excluding those on which Guns are mounted, and those ready for Guns on 31, Jan'y 1865)	Casemate								
	Barbette								

		Nº of Platforms
Total number of platforms probably ready by 30, June 1865	Casemate	
	Barbette	
Total Armament of work when completed	Casemate	
	Barbette	3,

* These guns are on wooden
casemate carriages, being
the only ones not
in the present.

Armament complete.

C. E. Blunt
Maj. Eng
Drawer 240
Sheet 7-1

* On wooden Cigarettes - Cigarettes

Spring through summer out-
in parapsy-

Amount - Complete

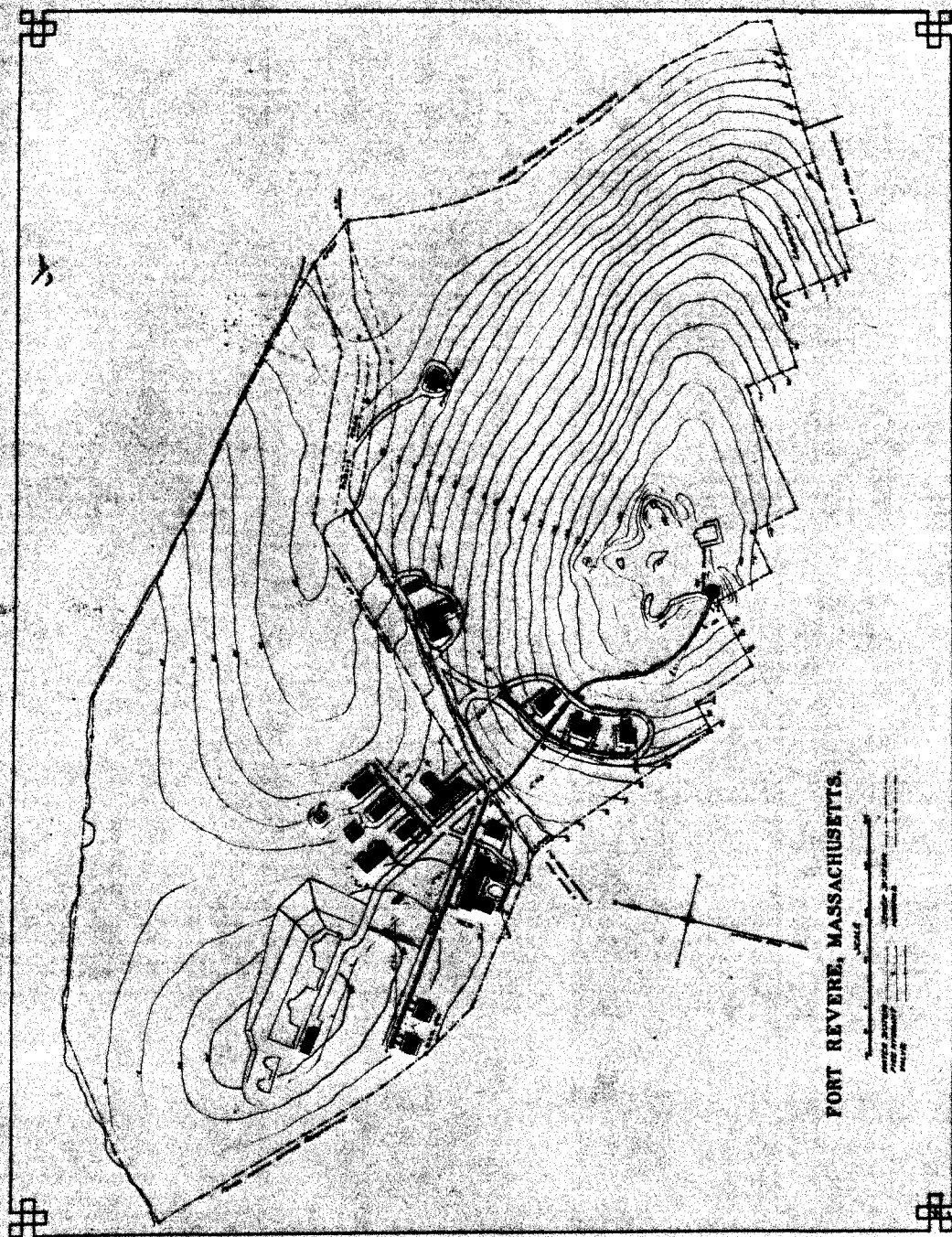
C. E. Stuart
May, 1893

Draper 248
Sheet 5-1

[illegible]

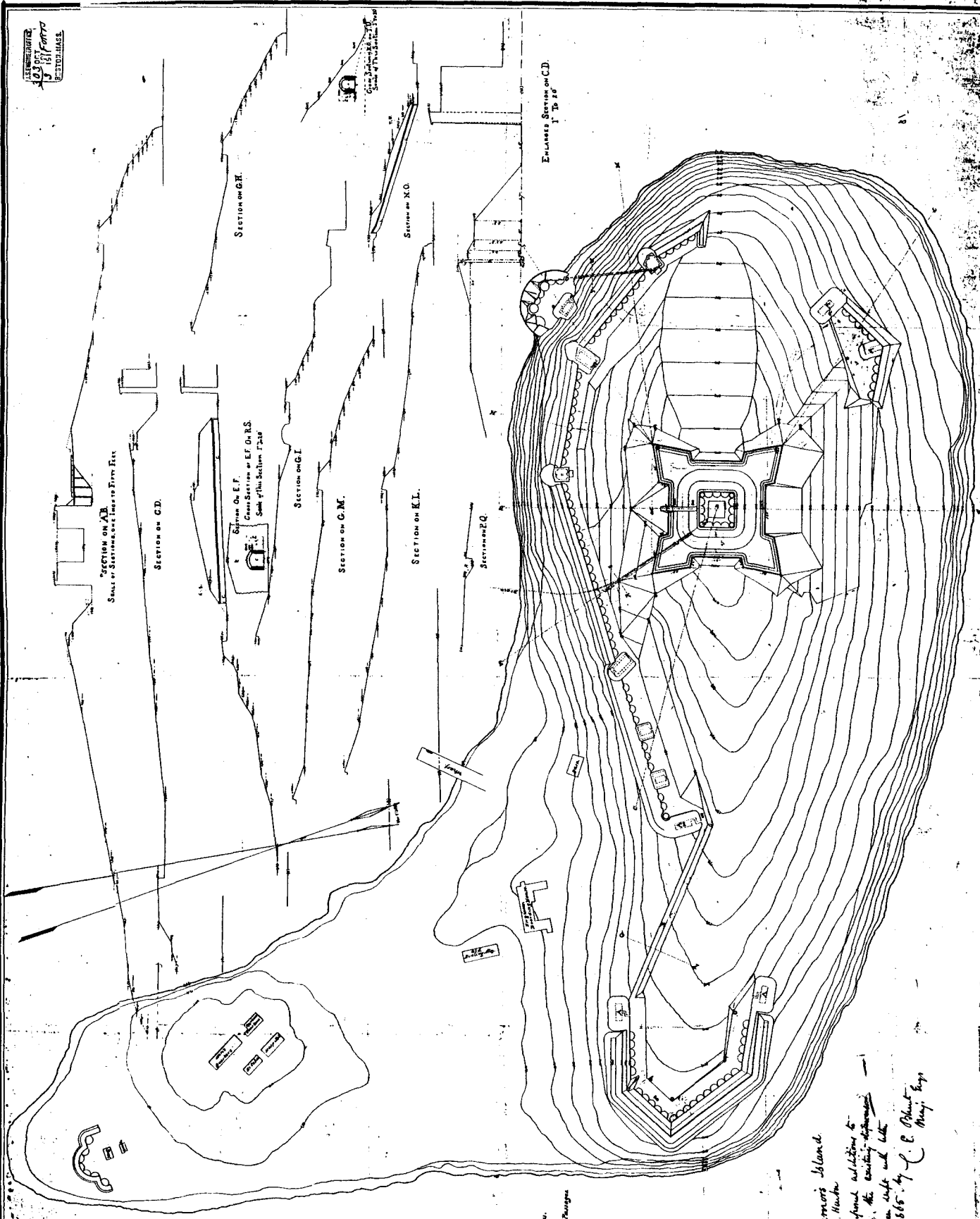
[illegible]

Drawn 247
Dec 9-1



ALLEN & CO.
 105 N. 1st Street
 ST. LOUIS, MO.
 1885

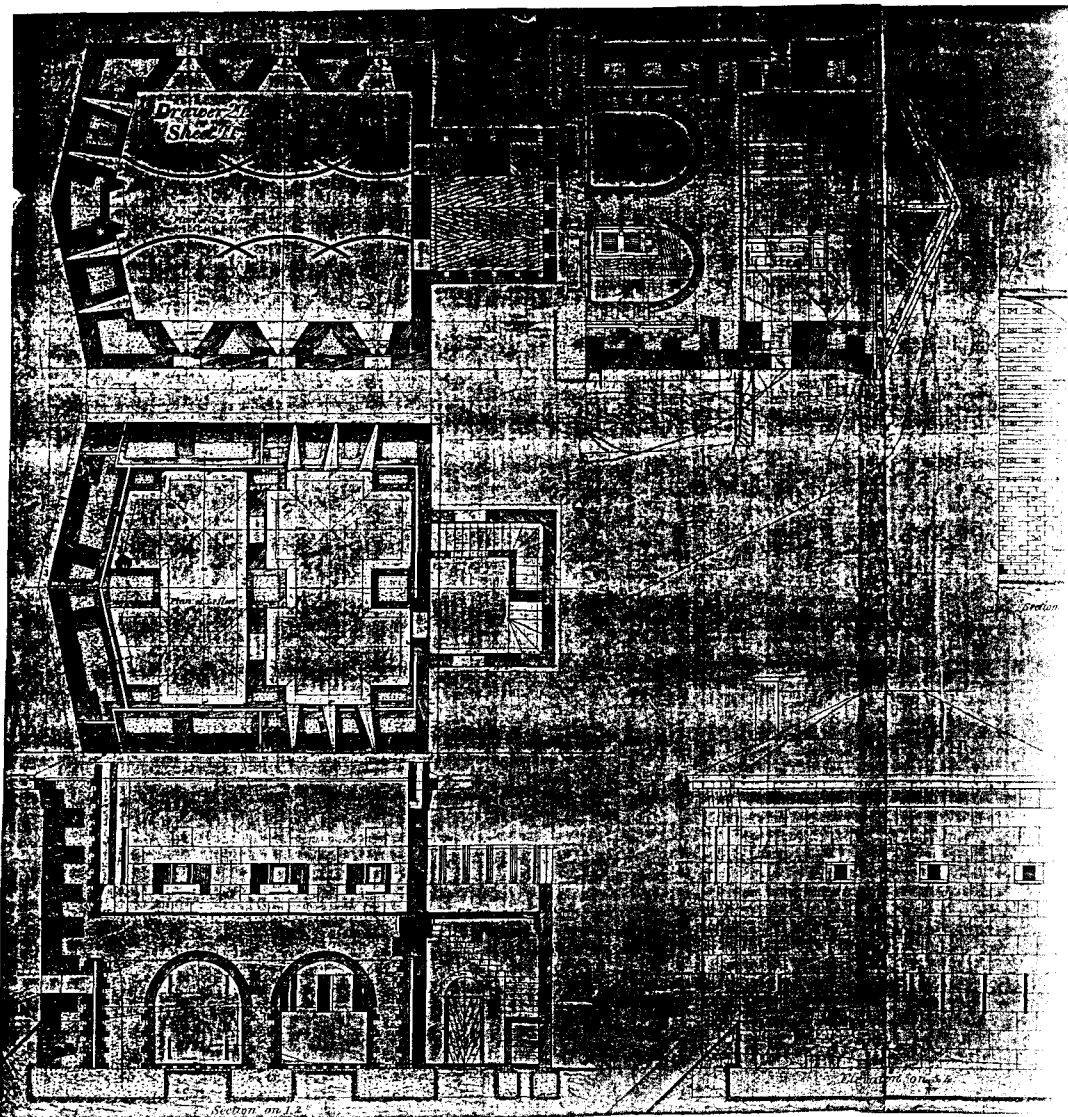
Drawer 21.
 Sheet 20.



A.A.A.A. Proposed New Magazine.
 B. Proposed Cannon Way.
 C.C.C. Proposed Underground Passage.
 D. One Road.

Sketch of Governor's Island
 showing various proposed additions to
 the existing structure
 and the location of the
 new building 18 1865 by C. P. Plant
 (B 1185)

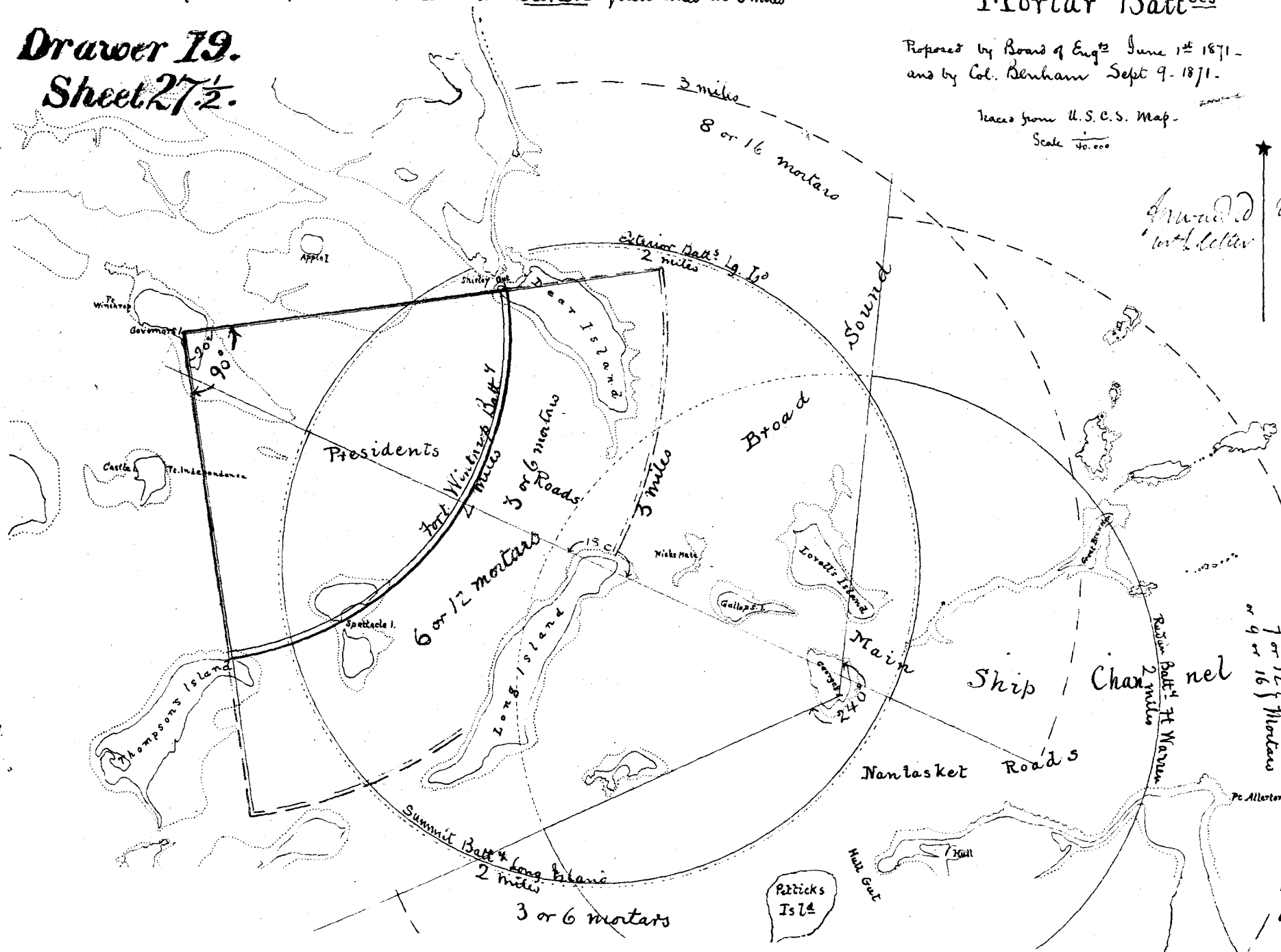
Ft Winthrop (Reduit)



Full Red lines show the angles and ranges of direct fire of mortar batt^{ies} proposed by Col. Benham at 2 miles distance.
Broken Red lines show similar fires at 3 miles distance.
Dotted Red lines show possible rear fire over other batt^{ies} or forts.

Full Green lines show the angles and range of fire proposed by Board plan of June 1-1871 - at 2 miles - and Broken green lines at 3 miles

Drawer 19.
Sheet 27 1/2.



Sketch of Boston Harbor.

showing angles of fire - distances & nos of mortars.

Mortar Batt^{ies}

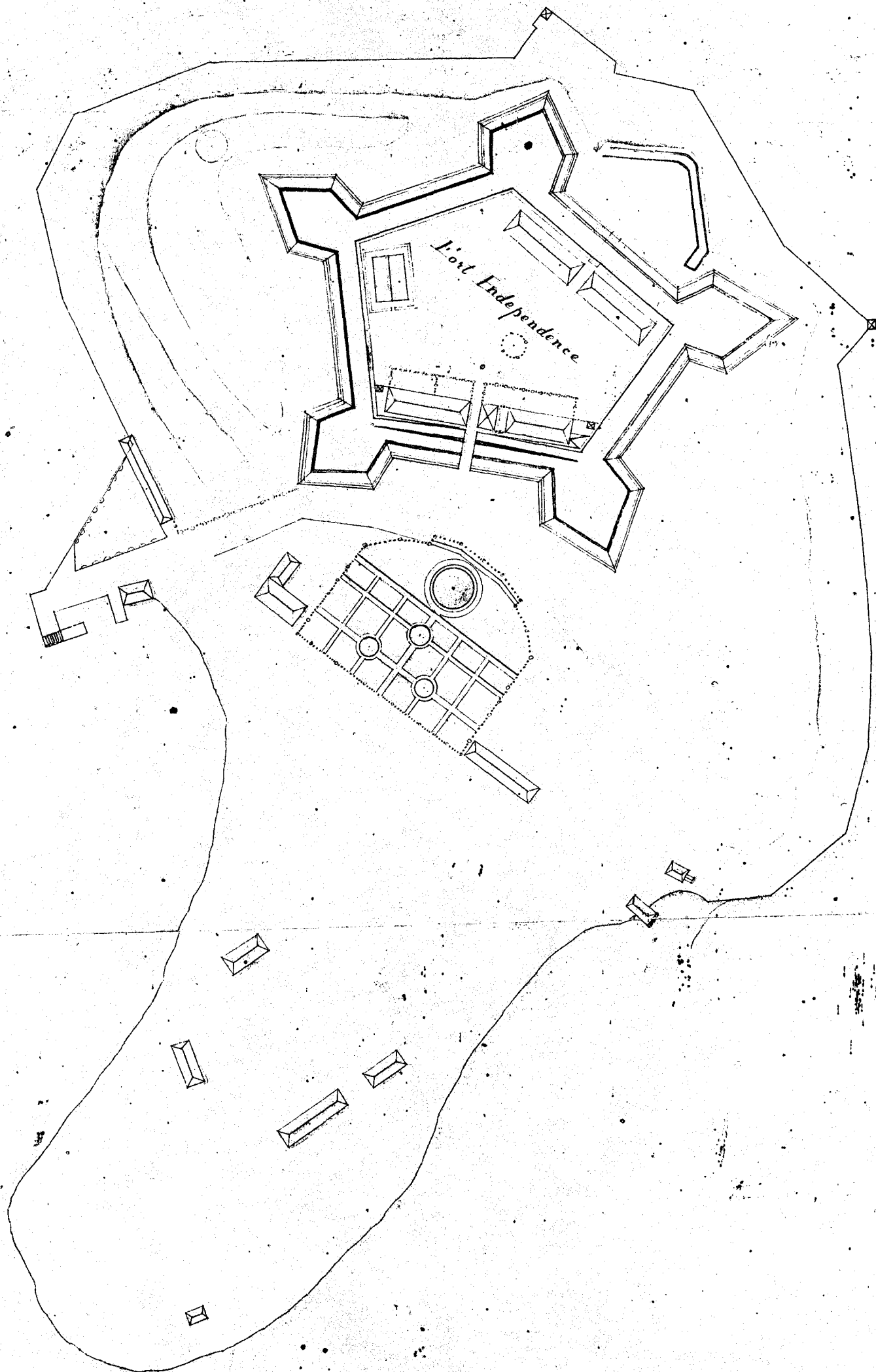
Proposed by Board of Eng^s June 1st 1871 -
 and by Col. Benham Sept 9-1871.

Traces from U.S.C.S. Map -
 Scale 40,000

Approved
 with letter
 to Chief of Engineers
 of this date
 H.W. Benham
 Col. Eng^s
 Oct 14 1871

Submitted to Chief of Engineers
 Eng^s Oct 14 1871
 Recd back with 711 (2) 1871

19-27 1/2



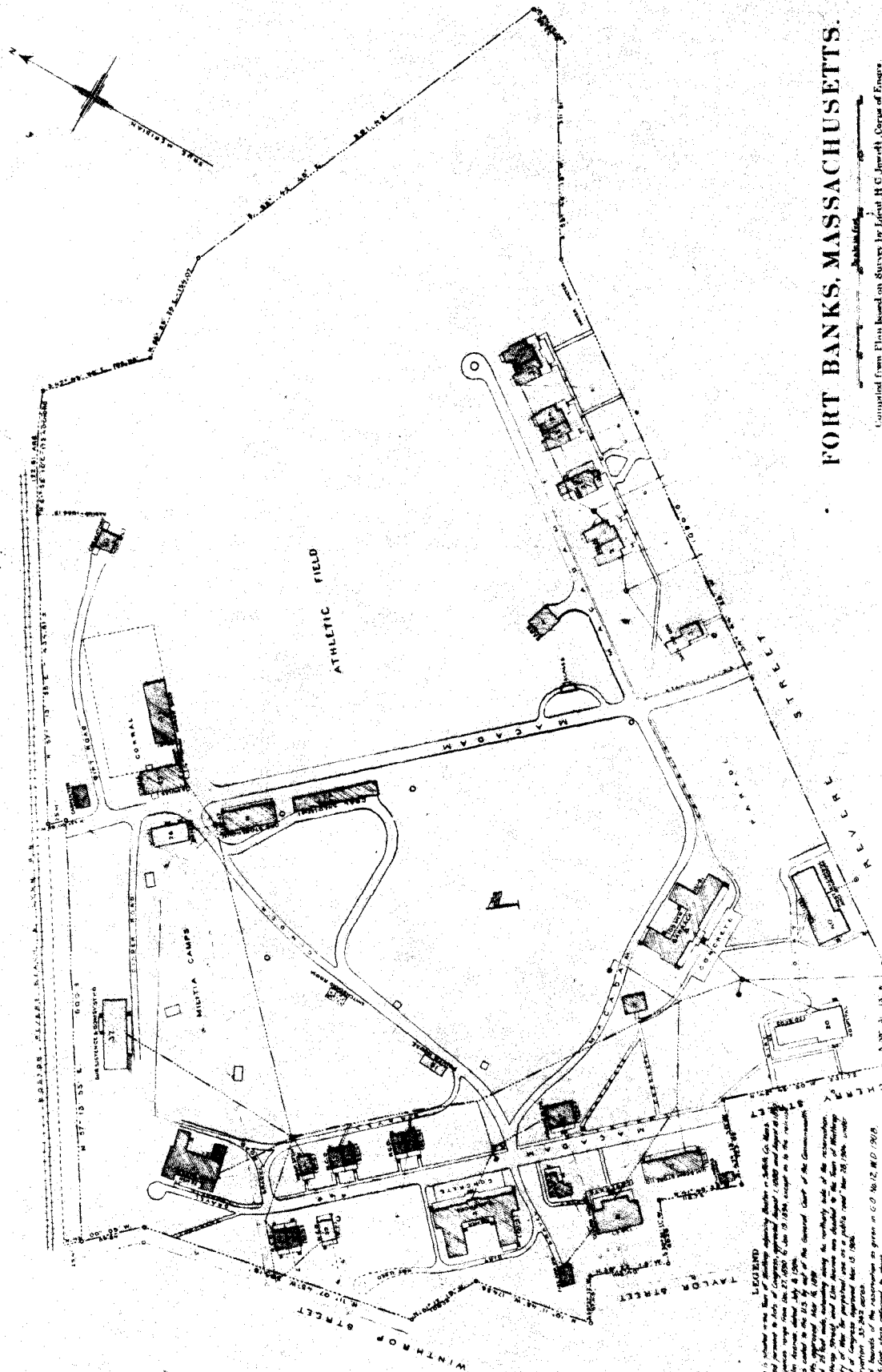
Underlined figures in brackets show (1200)
indicate Q 11 (1.1) Flak No. of Adverser structure

2

QUALITY

UNIVERSITY OF CHICAGO

UNITED STATES



FORT BANKS, MASSACHUSETTS.

Compiled from Plans based on Survey by Lieut. H. C. Jewett, Corps of Engineers and other official information.

LEGEND	
	Frame Building
	Brick Building
	Fire Hydrant
	Water Valve
	Sewer Main
	Storm Sewer
	Telephone
	Electric Light Line
	Railroad
	Road
	Fenced Area
	Athletic Field

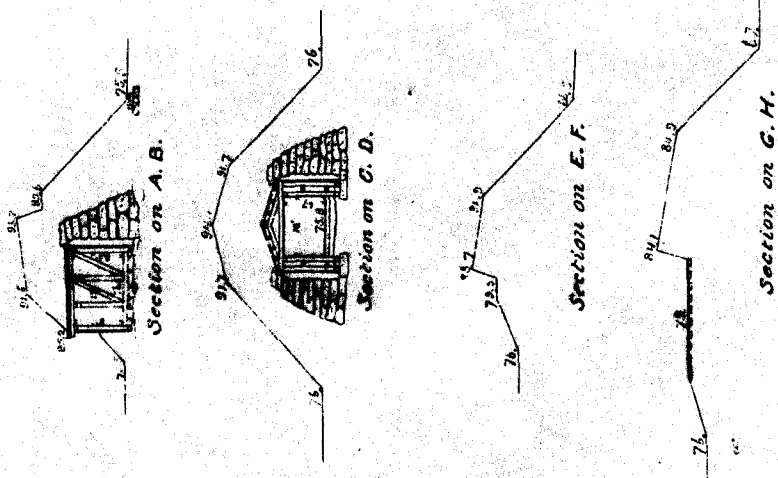
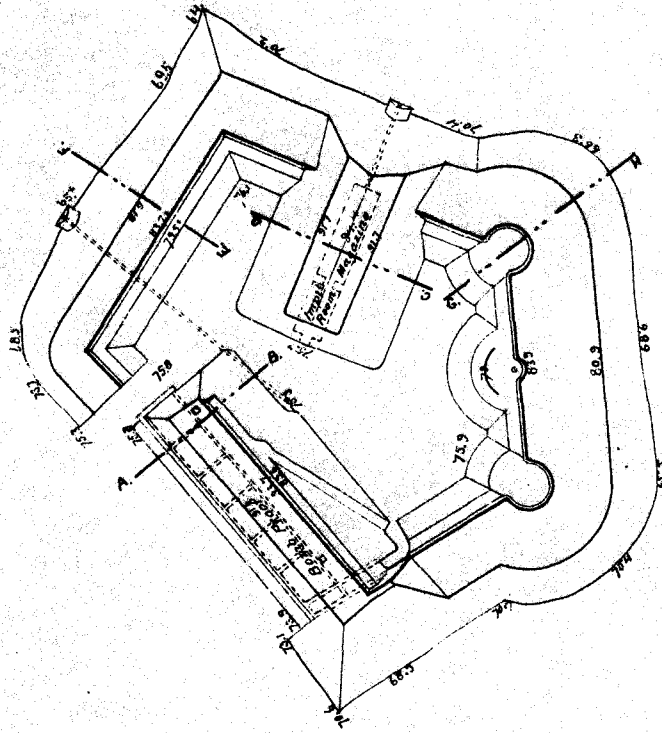
CANCELLED

UNITED STATES FILE
31 4 PM 2Y
Do not make alterations without authority. Get your receipt.

LEGEND
Underlined figures in brackets (underlined) indicate the
QMGU Plan No. of adjacent structure.
Note: Stone Bound, set of corners of the structure. Boundary
All lines are in feet.
The reservation is shown in green in G.O. No. 12, M.D. 1908.
The reservation is shown in green in G.O. No. 12, M.D. 1908.
The reservation is shown in green in G.O. No. 12, M.D. 1908.

All Sewers are 18" Pipe

Drawer 18. Sheet 32.



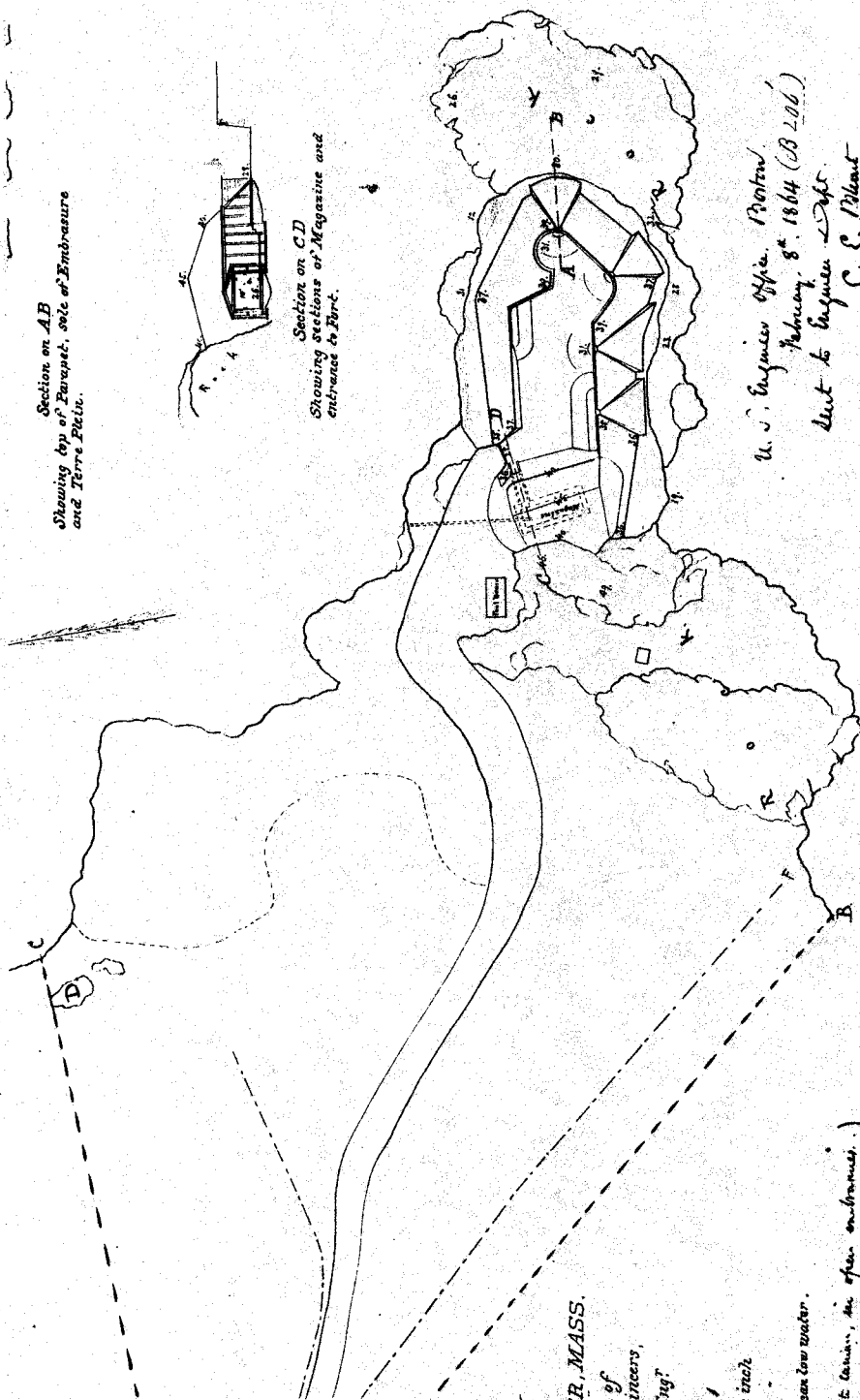
PLAN AND SECTIONS OF FORT GLOVER

Marblehead Mass.

Sept. 1864
sent to Engineer Dept. Oct 22. 1864
C. E. Plant
Maj. Eng

Scale of Plan 50 ft. to an inch
Sections 1858.
Figures in Red show heights above Low Water.
Surveyed by John D. Estabrook

Stage Fort (Ft. Conant) Gloucester, MA

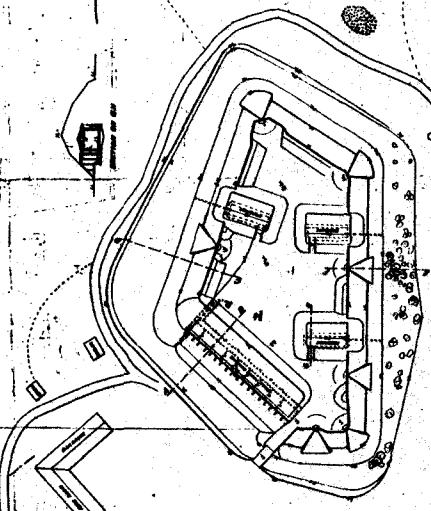


U. S. Engineer Office. Boston
February, 8th 1864 (B 206)
Sent to Engineer Dept.
C. C. Plant
May 1864

Engineer's Office.
Feb. 10, 1864.
Order to Mr. Thibault
Letter of this date

E. 9 D. 11
Dec. 2, 1864, 1864
136-46

AD = 300 yds. Perimeter of western end of fort at 150 yards. Plan of
 the point. C = 150 yards from point of North Atlantic Ocean.
 The point. D = 150 yards from point of North Atlantic Ocean.
 Lines DE & EF are the lower limits of the fort.



PLAN OF EASTERN POINT
 OF
 EASTERN POINT, GLOUCESTER, MASS.
 After plans for construction of
 fort by C. E. Mearns, U.S. Army
 1894

Point measured by 100 ft. (in General Mearns) to the distance

HARBOR

TTS

Survey

perintendent of the

UNITED STATES

Assistant U.S.C.S.

Assistant

by

JOHN U.S.N. Asst.



Edited
H. H. Woodman, Capt. of Eng.
Asst. in charge of Office.

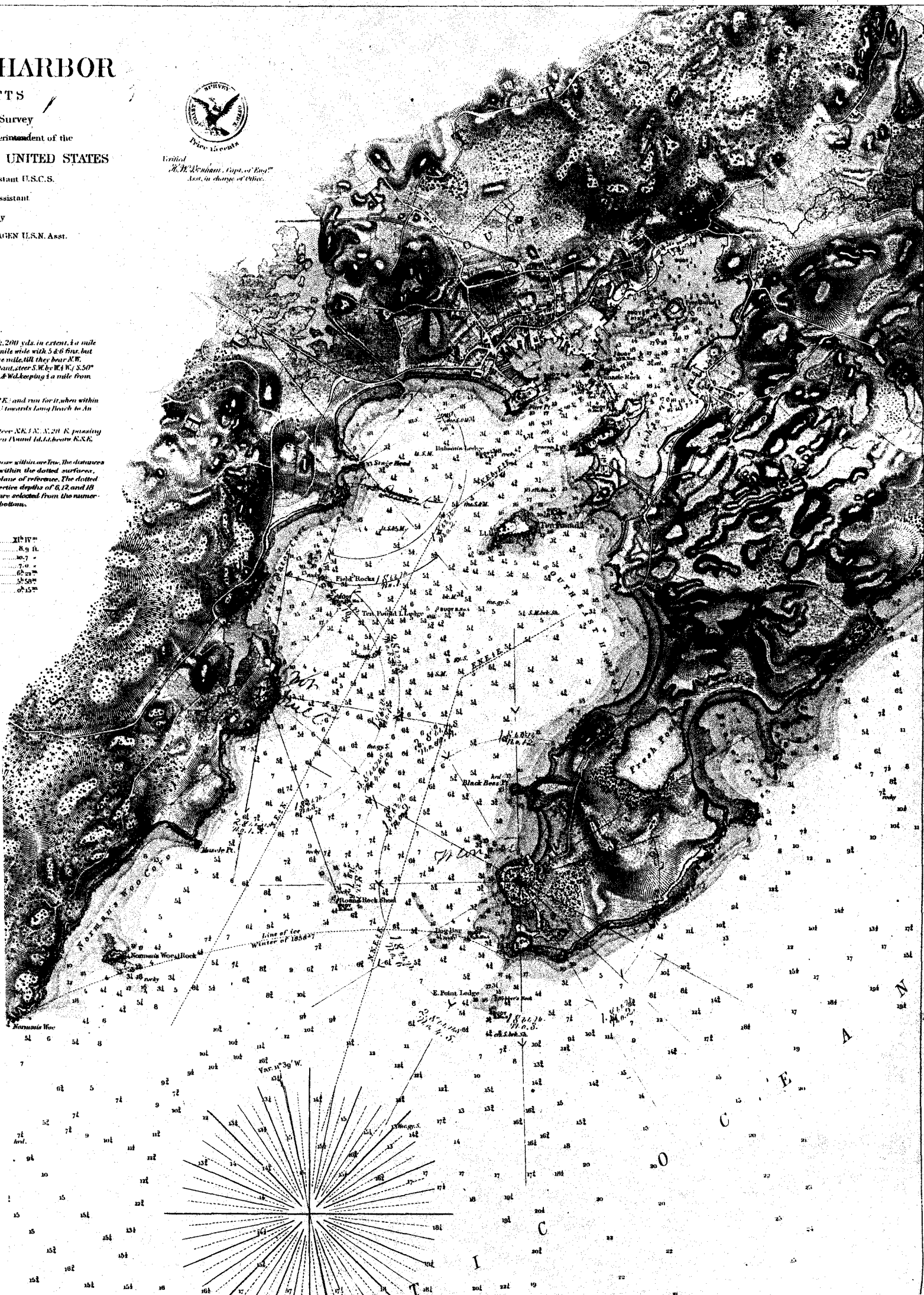
K. 200 yds. in extent 1/2 mile
wide with 5 fms. but
we will tell they bear N.W.
tand. steer S.W. by W. 1/2 S. 50°
L. & W. keeping 1/2 mile from

* E. and run for it when within
1/2 mile towards long beach to An

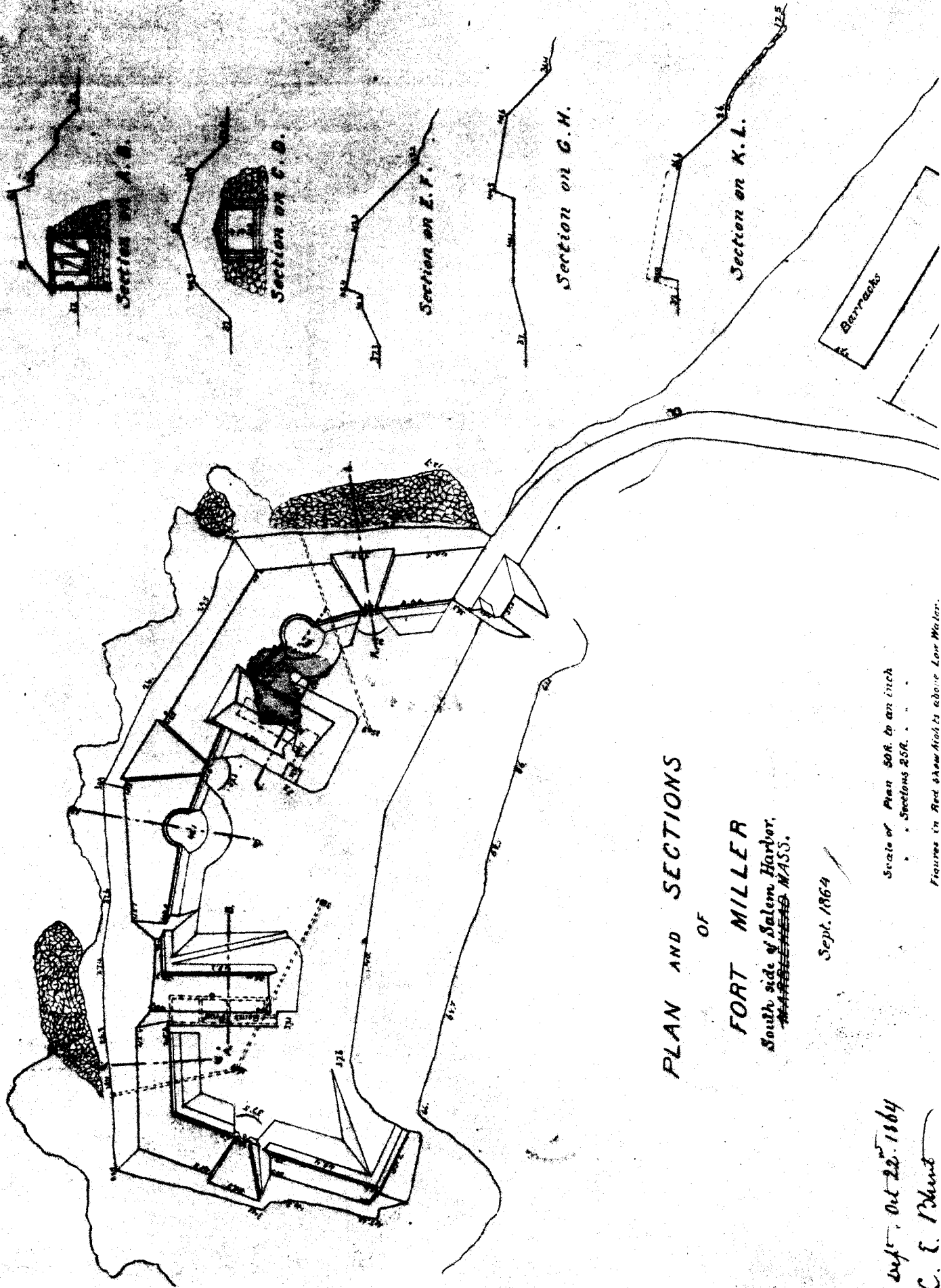
steer N.E. 1/2 E. 20° K. passing
by Round Island to K. S. S.

Under within are true. The distances
within the dotted surfaces,
dune of reference. The dotted
entire depths of 6, 12, and 18
are selected from the numer-
bottoms.

11' 14"
8.9 ft.
10.7
7.0
6.25
5.50
4.75



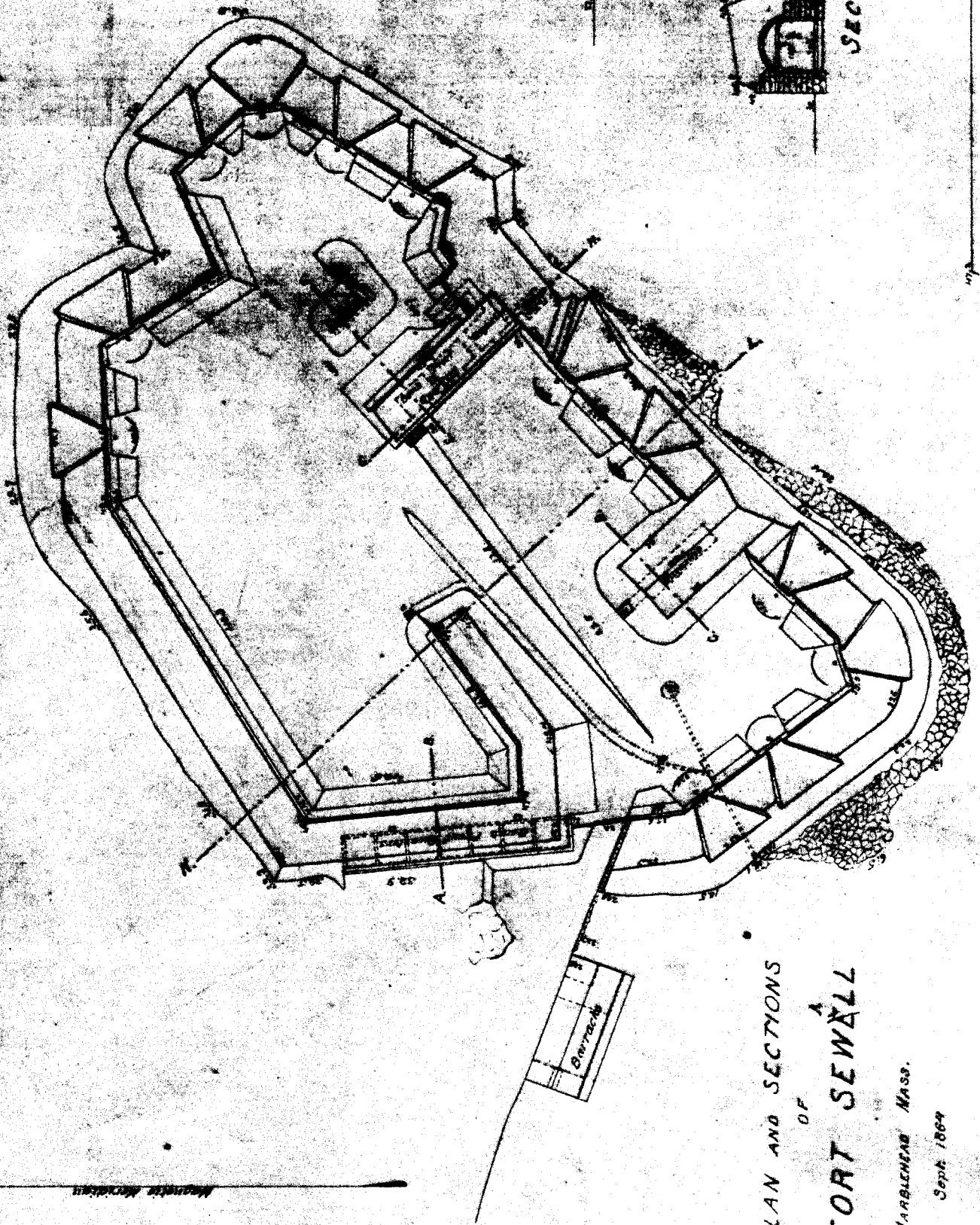
Drawer 18.
Sheet 31.



Scale of Plan 50 ft. to an inch
Sections 25 ft. to an inch
Figures in Red show heights above Low Water.

Sent to Engineer Dept. Oct 22. 1864
C. E. Plant

Drawer 18.
Sheet 33.

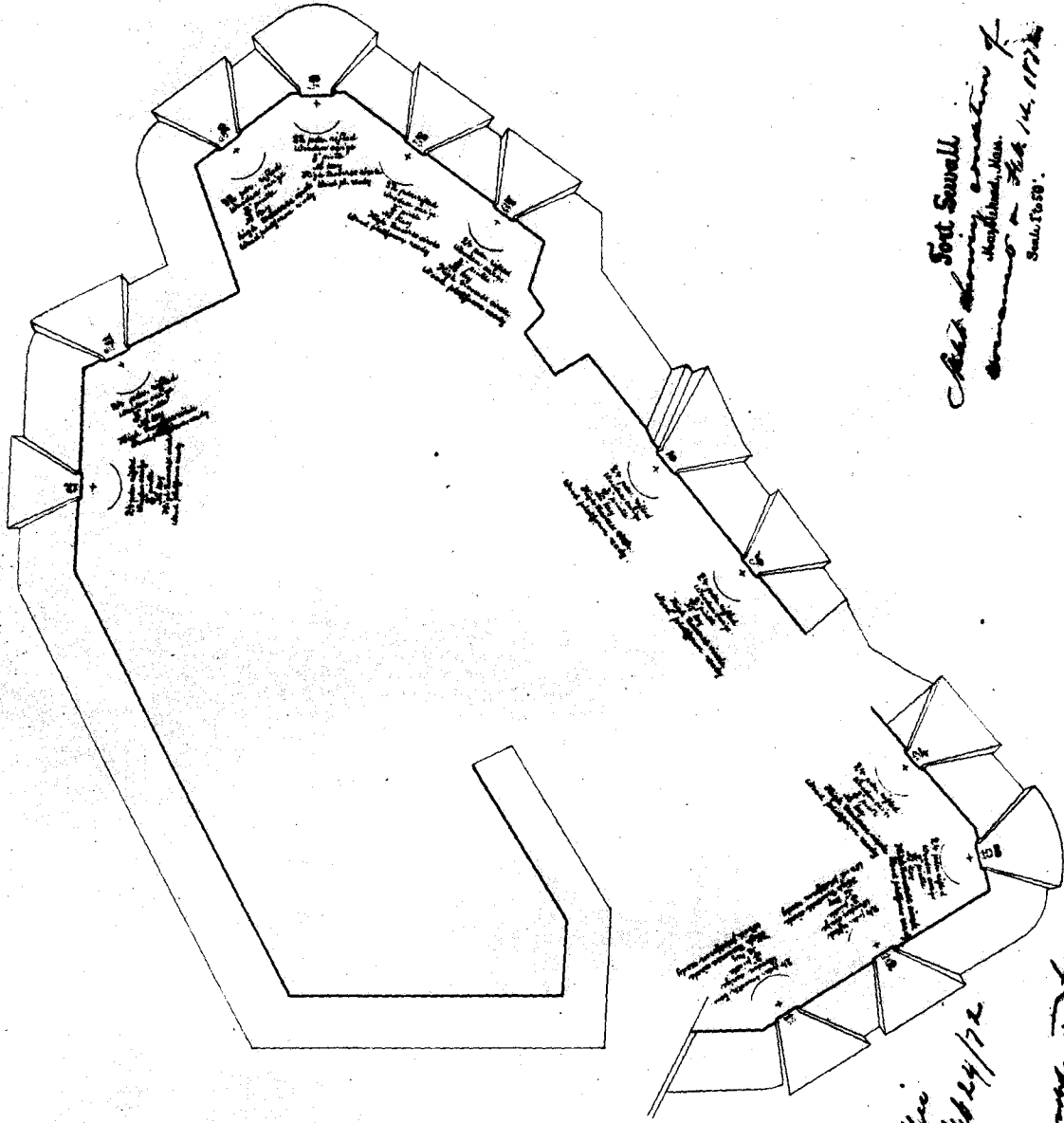
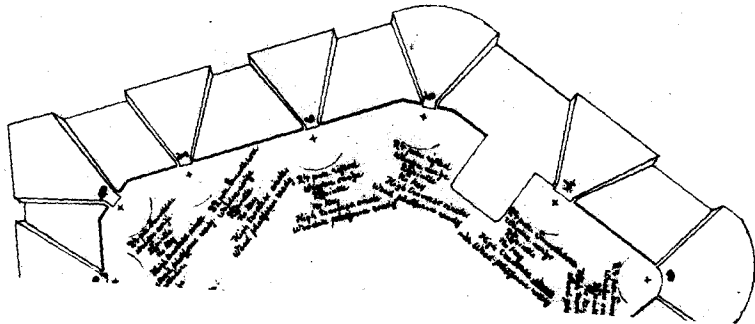


PLAN AND SECTIONS
OF
FORT SEWALL

MARBLEHEAD MASS.

Sept 1864

Fort Pickering
 sketch indicating location
 of command post
 Scale 1/4" = 100'



Fort Swell
 sketch indicating location of
 command post
 Scale 1/4" = 100'

U.S. Army Office
 Fort Pickering
 Feb 24/72

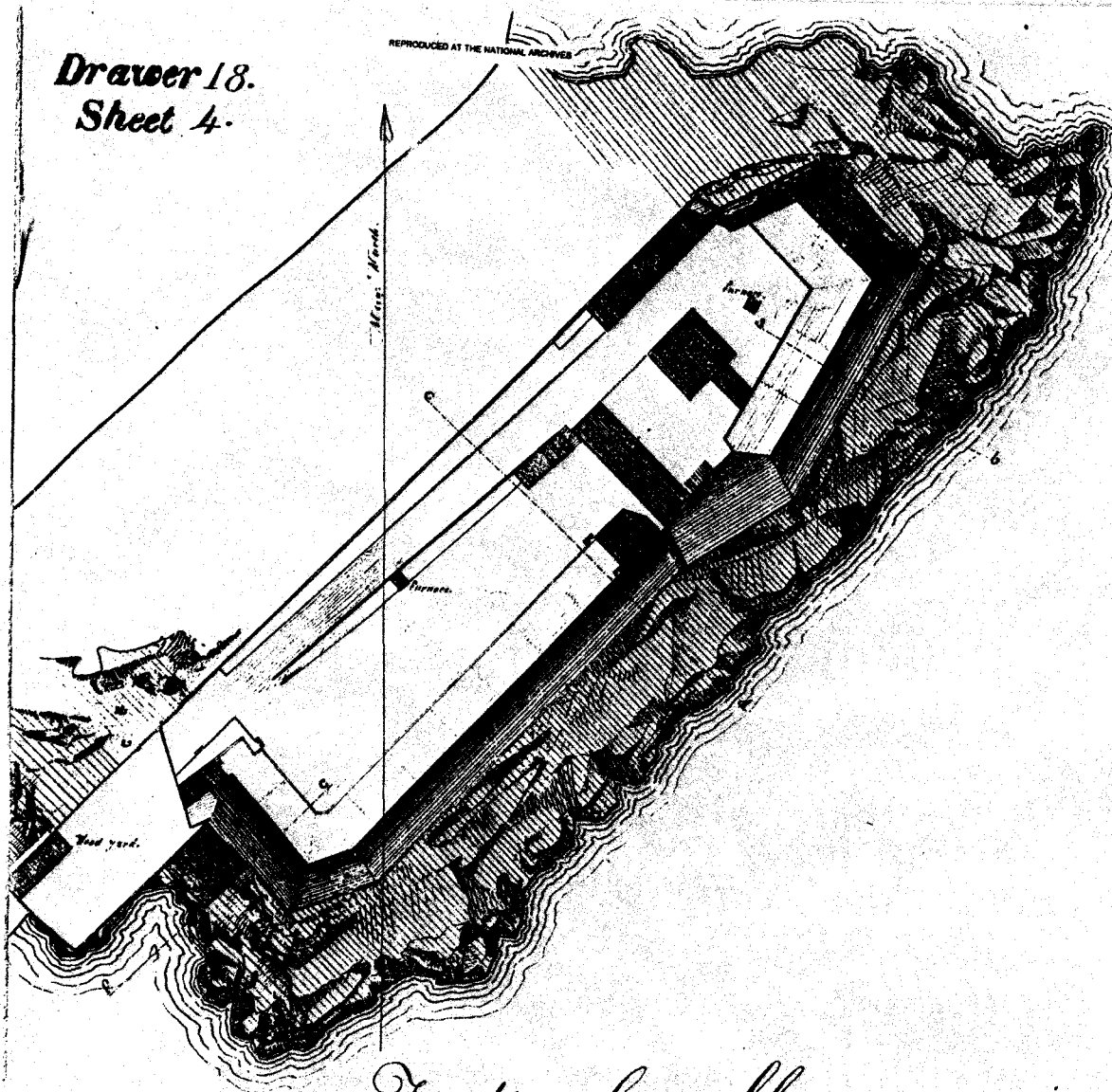
Respectfully forwarded to the
 City of Chicago and the
 City of New York

A. W. Buchanan
 Capt. U.S. Army

Drawn 2/28
 Sheet 12-5

Drawer 18.
Sheet 4.

REPRODUCED AT THE NATIONAL ARCHIVES



Fort Sewall
Marblehead

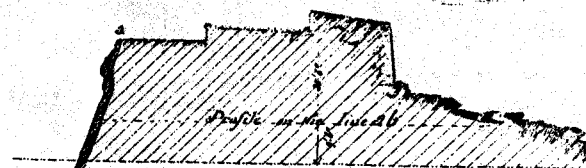
Massachusetts

1820

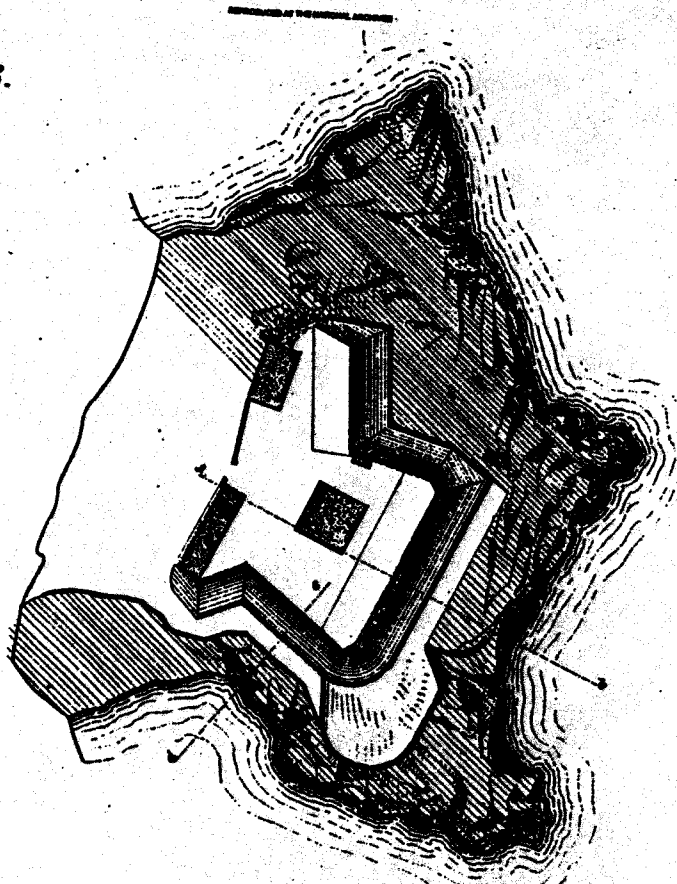
Drawn by M.

L.
#1861
Blunt
this date

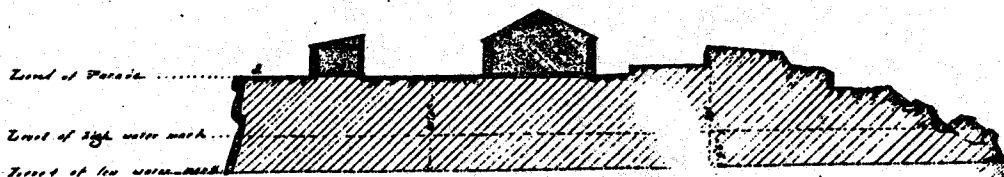
62.
Capt. Blunt
1862 (B5777)



er 18.
t 3.



*Fort Pickering
Salem*

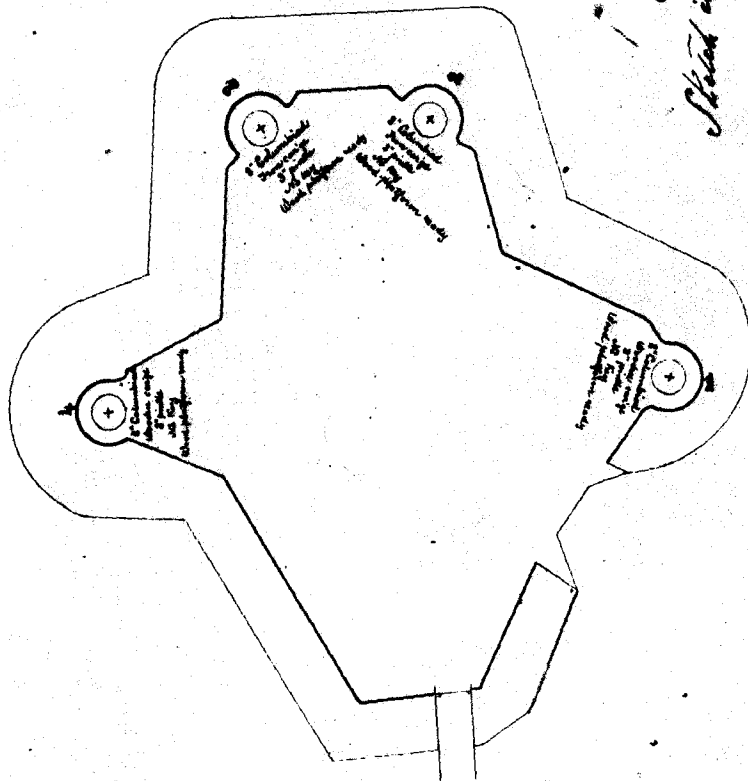


Level of Parade

Level of high water mark

Level of low water mark

3-10-3



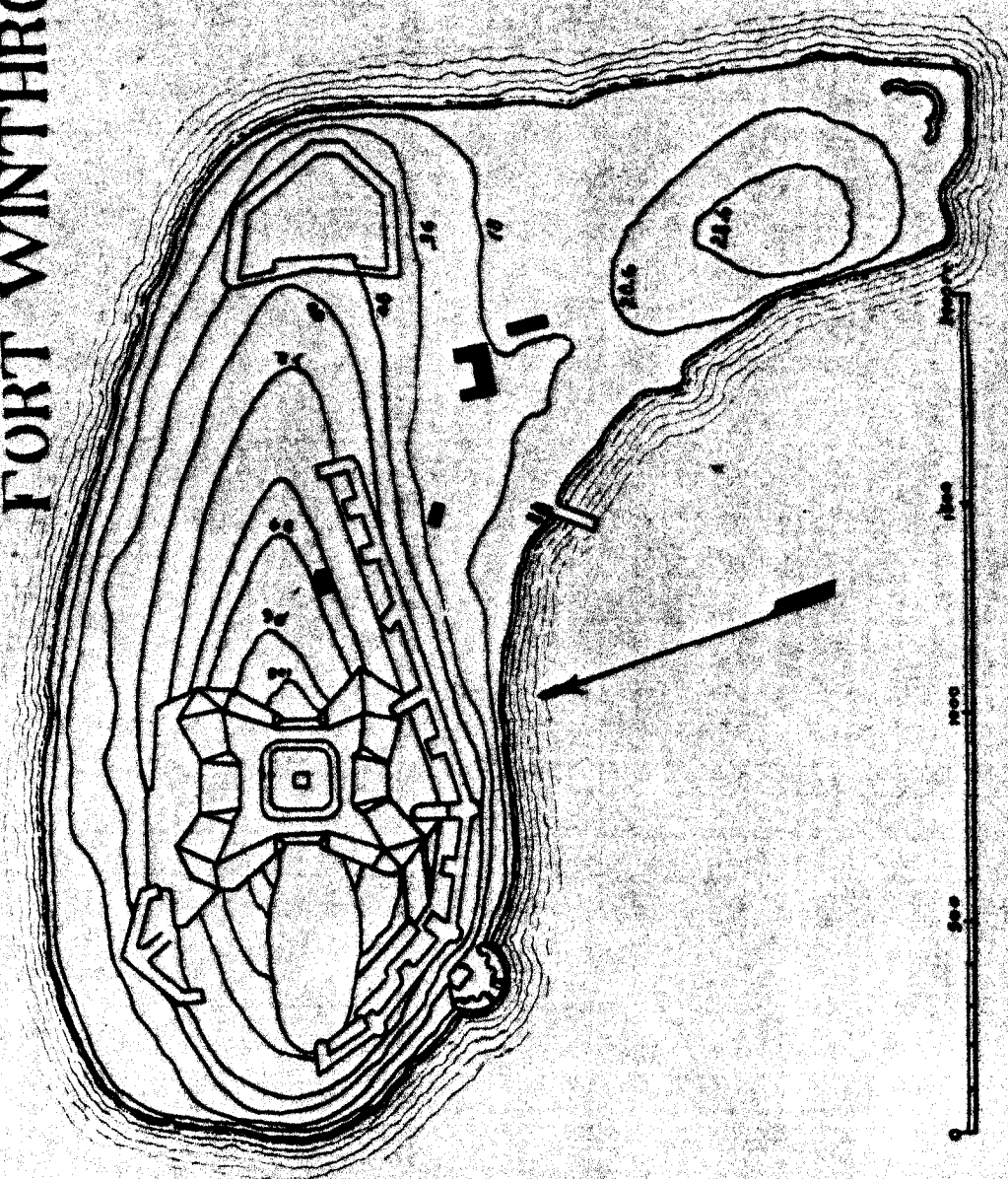
Fort Lee
 Sketch indicating condition
 of armament Feb. 14/1912
 Salem, Mass.
 Scale 1" to 50'

W. S. C. Capt. W. S.
 Boston Feb. 24/1912

Respectfully forwarded to the
 Chief of Engineers with letter of
 this date
 W. M. Blackman
 Capt. of Engineers

Drawer 2
 Sheet 10-3

FORT WINTHROP.



Drawn 27

Sheet 5



1. 1/2 ft. from base of wall to top of parapet
2. 1/2 ft. from base of wall to top of parapet
3. 1/2 ft. from base of wall to top of parapet
4. 1/2 ft. from base of wall to top of parapet

N 83

BOSTON HARBOUR.

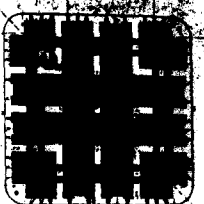
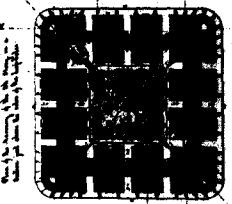
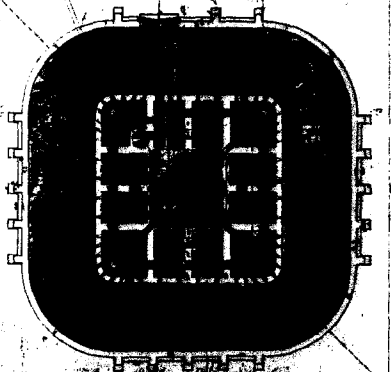
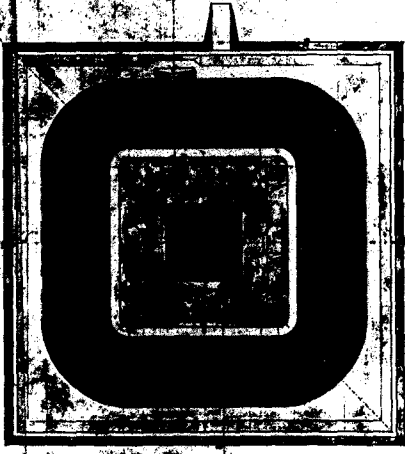
PLAN OF A FORT PROJECTED BY THE BOARD OF ENGINEERS.

FOR THE DEFENCE OF BOSTON HARBOUR.

EXPLANATION OF THE PLAN, INCLUDING THE POSITION OF THE FORT.

Figure in South-West Corner of the Plan of the Harbour.

Shows the location of the Fort of the Harbour, by the line of the Fort of the Harbour.



1/2 ft.

1/2 ft.



1/2 ft.



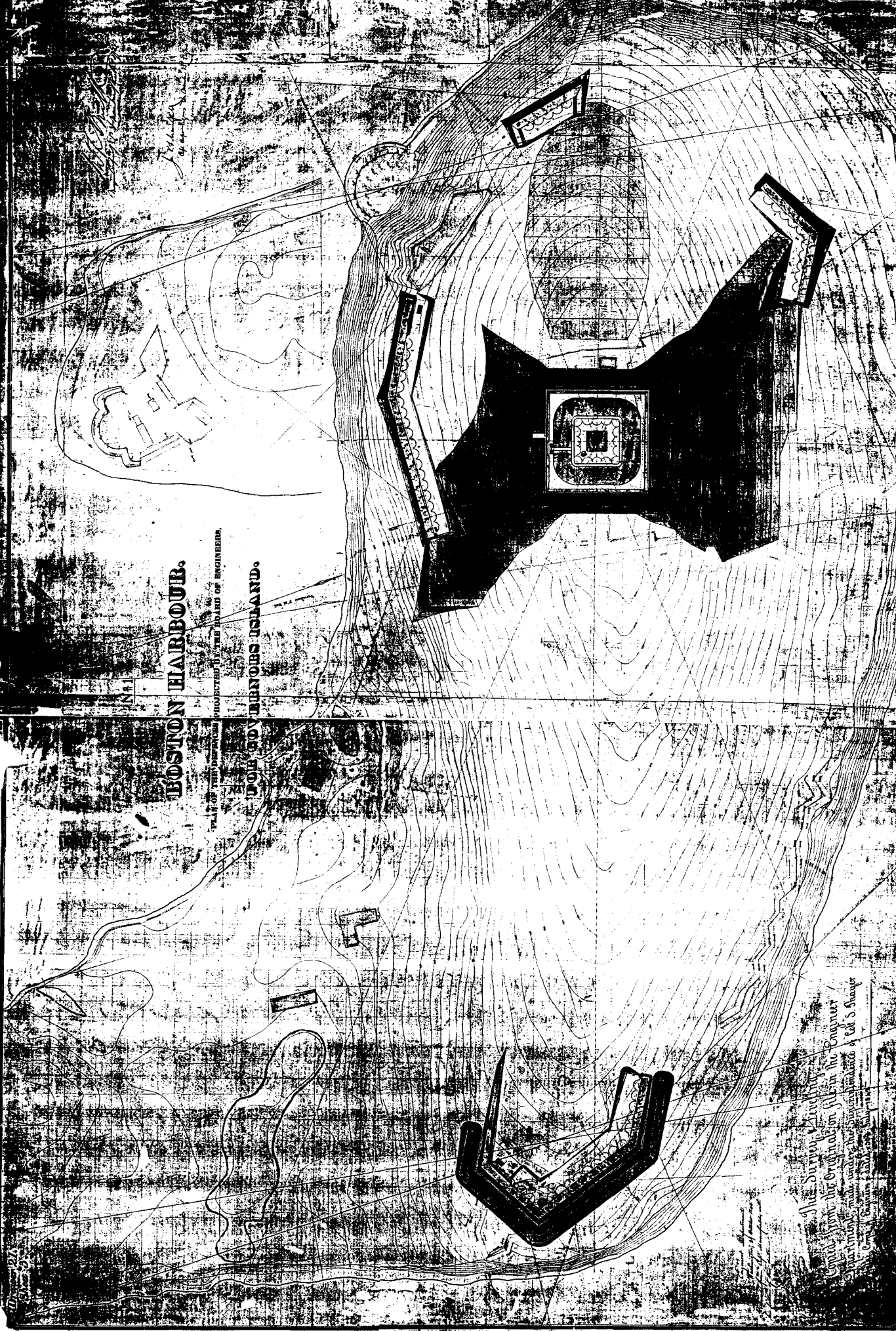
1/2 ft.

1/2 ft.
1/2 ft.
1/2 ft.

BOSTON HARBOUR.

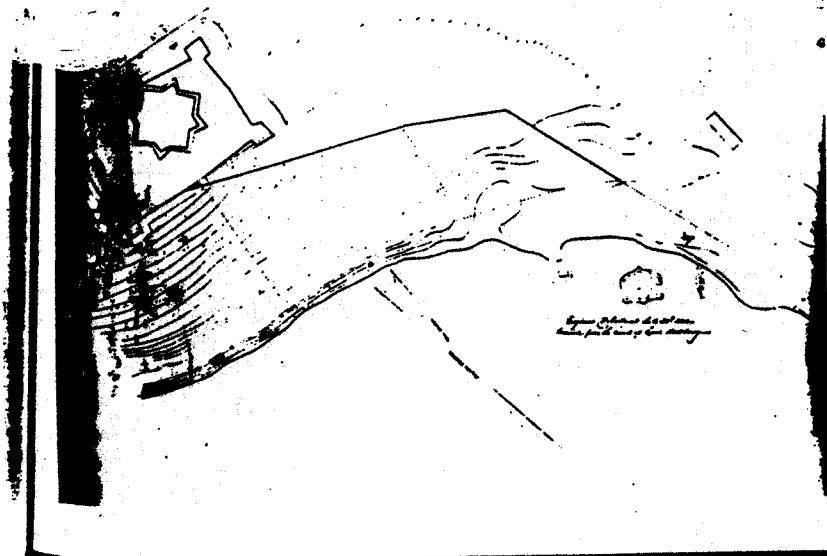
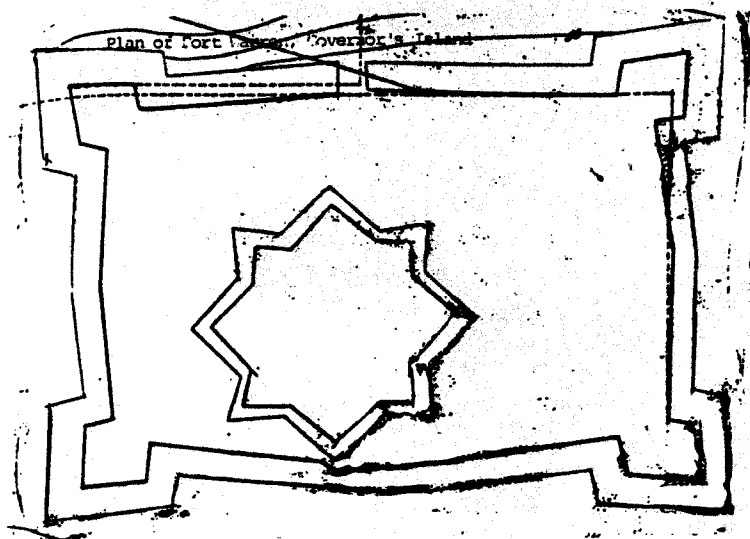
PLAN OF THE DEFENCES PROPOSED BY THE BOARD OF ENGINEERS.

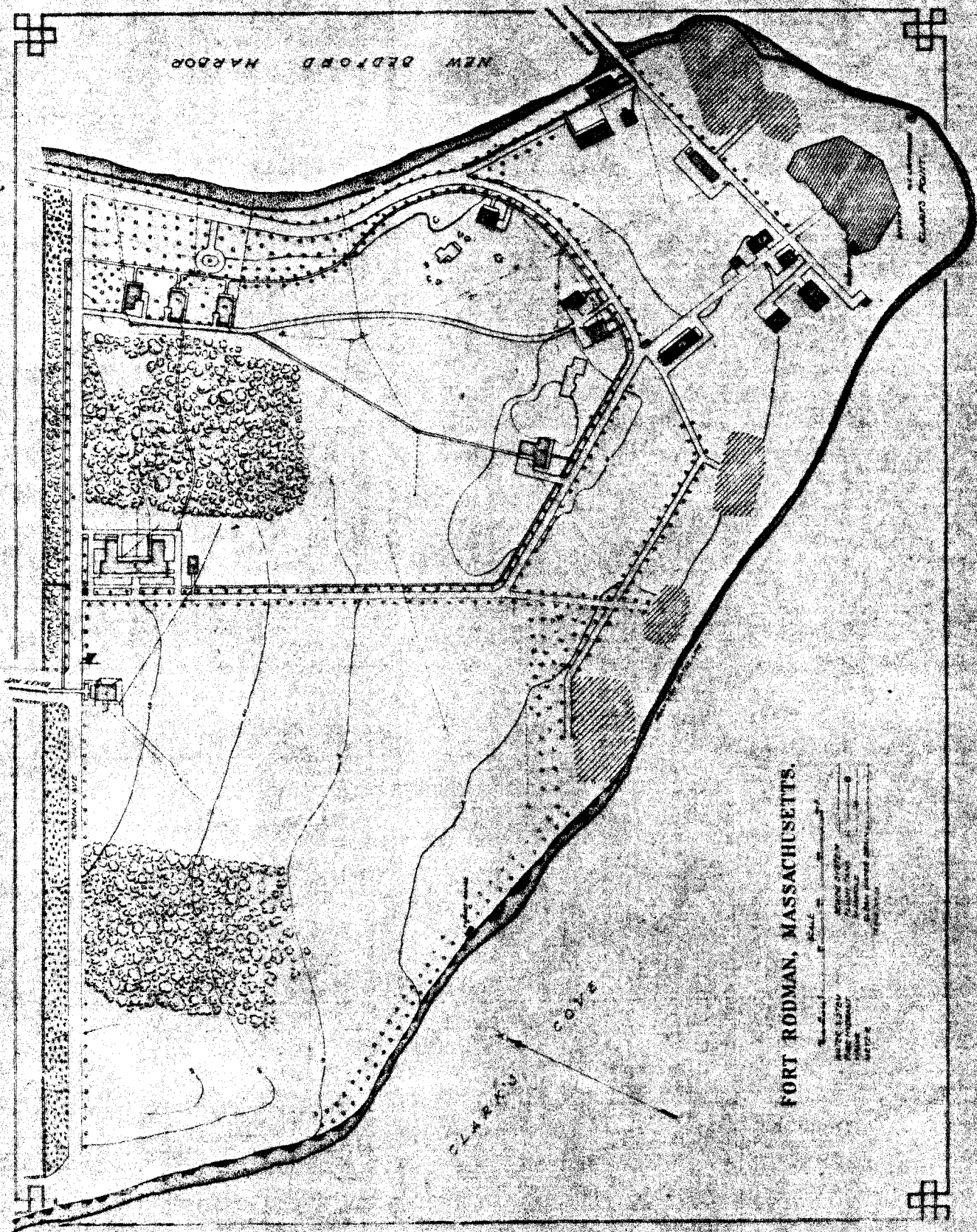
FOUR GOVERNORS ISLAND.



The Survey conducted by the Board of Engineers, and the original plan in the Engineer's Office, made under the supervision of Col. S. Sawyer.

Second System Ft Warren





FORT RODMAN, MASSACHUSETTS.

Scale 1 inch = 1 mile
Barracks
Hospital
Command Post
Engine House
Blacksmith Shop
Carpenter Shop
Forge
Storehouse
Kitchen
Baker's Shop
Butcher Shop
Barber Shop
Shoemaker Shop
Tailor Shop
Cobbler Shop
Blacksmith Shop
Carpenter Shop
Forge
Storehouse
Kitchen
Baker's Shop
Butcher Shop
Barber Shop
Shoemaker Shop
Tailor Shop
Cobbler Shop

Fort at Clarks Point New Bedford

