

Specifications for Means of Transportation, Paulins,
Stoves & Ranges, and Lamps & Fixtures for Use in the
U.S. Army. Washington, Government Printing Office, 1882

STOVES AND RANGES

FOR

ARMY USE.

SPECIFICATIONS, SUPPLY-TABLE, ETC.

[Q. M. G. O., MAY 23, 1876.]

WAR DEPARTMENT,
QUARTERMASTER GENERAL'S OFFICE,
Washington, May 25, 1876.

Under authority of the Secretary of War, who has approved the recommendations of the Board of Officers appointed by paragraph 2, Special Orders No. 68, War Department, Adjutant General's Office, dated April 17, 1875, "to meet at Omaha, Nebraska, on the 15th day of May, 1875, or as soon thereafter as practicable, to draw up and submit for the consideration of the Secretary of War specifications for cooking and heating stoves and ranges for Army use, and to prepare a supply-table, giving the number to be supplied for use of officers and of men in public quarters and barracks;" and who has approved the recommendations made by this Office in forwarding the Board's report for his consideration, the subjoined extract from the report of the Board, including the drawings of the stoves and ranges recommended for use, the supply-table, the orders appointing the Board, &c., and the papers (or extracts thereof) referred to in the report, embracing all that is material and necessary to a proper understanding thereof; and also the indorsements of this Office, and of the Adjutant General and Secretary of War, showing the action thereon, are hereby published for the information and guidance of officers of the Army.

M. C. MEIGS,
*Quartermaster General,
Bvt. Maj. Gen'l U. S. A.*

(4734, Q. M. G. O., 1875.)

(89)

REPORT.

OMAHA, NEBRASKA, *November 15, 1876.*

* * * * *

After examining a great variety of patterns of heating and cooking stoves and ranges which were presented to the Board by different manufacturers and dealers from various localities, also heating and cooking stoves and ranges which are in use in the city of Omaha, and practically testing different patterns of cooking-ranges at Omaha Barracks—giving due attention to the letters, circulars, and price-lists from manufacturers and dealers, and other sources received by the Board—after mature and careful consideration of the subject submitted to them, in connection with letters from the War Department (Quartermaster General's Office), hereto attached, the Board respectfully recommend stoves and ranges similar to the following:

The heating-stoves and cooking-ranges are distinguished by the following names and numbers:

- Army cast-iron wood heater, No. 1.
- Army cast-iron wood heater, No. 2.
- Army cast-iron wood heater, No. 3.

* * * * *

Weight of No. 1, from 600 to 700 pounds; Nos. 2 and 3, from 900 to 1,000 pounds.

The No. 1 is described as follows:

- To be made of first-class cast-iron.
- Length of stove, 31 inches.
- Width of stove, 13 inches.
- Height of stove, 21½ inches.
- Thickness of side plates, ½ inch.
- Thickness of bottom, top, and front plates, ¾ inch.
- Height of legs, 8 inches.
- Size of door, 9 x 14 inches.
- Size of pipe, 5 inches.

[NOTE BY THE QUARTERMASTER GENERAL'S OFFICE.—The size of the pipe to be 6 inches instead of 5 inches. Recommendation of the Quartermaster General in submitting report to Secretary of War. Approved by the latter.]

The sides of the stove are formed by three plates of equal dimensions and the same as the end plate; the longest edges of the side and end plates have a bevel of 45°, which renders any one of them interchangeable with any other, and are fastened at the top and bottom by eight half-inch round iron rods, the top by the knob of the rods, and the bottom by screws.

The door is held by a loose hinge, the base of which is attached to the front plate by screw-bolts; the hinge being loose, the door can be opened and shut without a movable latch.

The No. 2 is described as follows:

It is the same as the No. 1, with the following exceptions:

Length of stove, $51\frac{9}{16}$ inches.

Width of stove, $17\frac{1}{16}$ inches.

Height of stove, 24 inches.

Thickness of iron, $\frac{3}{4}$ inch.

Thickness of front plate, 1 inch.

Height of legs, 10 inches.

Size of door, 10 x 15 inches.

Size of pipe, 6 inches.

[NOTE BY THE QUARTERMASTER GENERAL'S OFFICE.—The size of the pipe to be 7 inches instead of 6 inches. Recommendation of the Quartermaster General in submitting report to Secretary of War. Approved by the latter.]

The No. 3 is described as follows:

It is the same as the No. 2, except that this stove has two doors and two hearths, and all the upright plates are interchangeable, and the stove-pipe hole is in the middle of the stove.

[NOTE BY THE QUARTERMASTER GENERAL'S OFFICE.—The size of the pipe to be 8 inches instead of 6 inches. Recommendation of the Quartermaster General in submitting report to the Secretary of War. Approved by the latter.]

For further explanations and details see drawings of Army wood heater, Nos. 1, 2, and 3, marked "I," "K," and "L."

The three wood-heating stoves above named are recommended for general use in the Army; they are durable and plain patterns, and the sides and end plates are interchangeable.

— Nos. 2 and 3 are especially recommended for heating large rooms. No. 3, with two doors, it is believed possesses the advantage of burning fuel more evenly, and a trial of it is recommended. It is believed that each of the foregoing stoves should last in Army use indefinitely.

Army wrought-iron wood heater, No. 4.

Army wrought-iron wood heater, No. 5.

* * * * *

The No. 5 is described as follows:

To be made of heavy wrought-iron.

Length, 4 feet 2 inches.

Width, 1 foot $6\frac{1}{2}$ inches.

Size of door, $12\frac{1}{2}$ x $12\frac{1}{2}$ inches.

The body is made of No. 10 wrought-iron, with ribs of $1\frac{1}{2}$ inch angle-iron riveted to the body, preventing the body from warping or bulging.

The bottom is round and holds several inches of ashes; protecting the iron and the floor from heat. The front of the stove, where the door hangs, is made of bar-iron forged, 3 inches wide by $\frac{3}{4}$ inch thick. The back end of the stool has three strips of wrought-iron 3 inches wide by $\frac{3}{4}$ inch thick, riveted on the outside, so that it is sufficiently strengthened against being struck by wood thrown into the stove. The hearth is made of heavy wrought-iron, and is hooked to the stove by a heavy wrought-iron catch, and it can be unhooked and placed inside the stove when shipped.

The No. 4 is described as follows:

Length, 30 inches.

Width, 12 inches.

Size of door, 9 x 9 inches.

Other description the same as Army wrought-iron wood heater, No. 5.

For further explanations and details see drawings of Army wrought-iron wood heater, Nos. 4 and 5, marked "M" and "N."

The above wrought-iron stoves are recommended to supply posts distant from the seats of manufacture and from the general depots and posts, reached only by long lines of wagon transportation. It is a very strong pattern; it being made of wrought-iron, it has greater capacity than a stove of similar weight made of cast-iron, thereby saving the transportation, and is not as likely to be broken as a cast-iron stove. It can also be repaired at a post by a blacksmith should it be required. It is believed that each of these wrought-iron stoves should ordinarily last in Army use from five to ten years.

Army cast-iron coal-heater, No. 6.

Army cast-iron coal-heater, No. 7.

* * * * *

[NOTE BY THE QUARTERMASTER GENERAL'S OFFICE.—Weight about 275 pounds and 1,000 pounds, respectively.]

The No. 6 is described as follows:

Height of stove, 33 inches.

Diameter of stove, 15 inches.

Diameter of stove bottom, $16\frac{1}{2}$ inches.

Diameter of stove top, $16\frac{3}{4}$ inches.

This stove consists of four parts, Nos. 1, 2, 3, and 4. No. 1 is $\frac{3}{4}$ inch thick; No. 2, $\frac{3}{8}$ inch; No. 3, $\frac{1}{2}$ inch; and No. 4, $\frac{3}{8}$ -inch. Diameter of the grate 8 inches, and $\frac{1}{2}$ inch thick. Top and bottom, $\frac{3}{8}$ inch thick. The top of the stove is fastened to the bottom of the stove by three $\frac{1}{2}$ -inch thick wrought-iron rods; the top of the rods by the knob of the rods, and the bottom by screws.

The No. 7 is described as follows:

To be manufactured of $\frac{3}{4}$ -inch cast-iron.

Height of stove, 5 feet $7\frac{1}{2}$ inches.

Diameter of stove, 20 inches.

Height of each cylinder, $13\frac{1}{2}$ inches.

Size of doors, 8 x 10 inches.

Thickness of doors, $\frac{1}{2}$ inch.

Thickness of grate, $\frac{1}{2}$ x $\frac{3}{4}$ inch.

Thickness of bottom and top, $\frac{3}{4}$ inch.

Diameter of stove-pipe, 6 inches.

Diameter of grate, $18\frac{1}{2}$ inches.

This stove consists of four cylindrical parts. The cylinders marked Nos. 1 and 3 and Nos. 2 and 4 are interchangeable. The grate is in two parts, (halves,) so that it can be readily removed; it rests on a $\frac{3}{4}$ -inch ring or shoulder inside of the stove. The stove is fastened by three $\frac{1}{2}$ -inch thick wrought-iron rods, holding the top to the bottom; the top is fastened by the knob of the rods, and the bottom by nuts secured on to the end of the rods.

For further explanations and details see drawings of Army cast-iron coal heater, Nos. 6 and 7, marked "O" and "P."

The No. 6 is recommended for general use, and the No. 7 is especially recommended for use in barracks and other large rooms in cold climates. They are both adapted for the use of bituminous as well as anthracite coal, and it is believed that each of these stoves should ordinarily last in Army use from five to ten years.

Army parlor heater.

* * * * *

This stove is described as follows:

To be built of first-class cast-iron.

Height, 2 feet $7\frac{1}{2}$ inches.

Width outside, 2 feet 2 inches.

Width inside, 18 inches.

Thickness of bottom and top, $\frac{1}{2}$ inch.

Thickness of outside mantel, $\frac{1}{2}$ inch.

Thickness of outside fire-mantel, $\frac{3}{4}$ inch, in fire-brick.

The opening for fuel can be covered by a sheet-iron blower.

This stove is intended to burn anthracite and bituminous coal, and can also be used for wood. It is recommended more especially for officers' use. It is believed that such a stove should ordinarily last in Army use about five years. See accompanying drawing of the above-described stove, marked "Q." This is considered by the Board as one among many of the very good patterns of open coal stoves, and do not consider it necessary to recommend any particular pattern as most suitable to be adopted.

Army cooking range, No. 1.

Army cooking range, No. 2.

* * * * *

No. 1 with mantel and trimmings.

* * * * *

No. 2 without mantel and with trimmings.

* * * * *

The No. 1 range is described as follows:

To be built of first-class wrought-iron, No. 10, with cast-iron top.

Top cooking surface, 2 feet 10 inches by 2 feet 3 inches.

Size of baking-oven, 1 foot 2½ inches by 1 foot 5½ inches.

Size of warming-oven, 1 foot 4 inches by 1 foot 3½ inches.

Size of holes, 8 inches.

Size of galvanized iron water-tank, 40 gallons.

The back side and bottom are double-cased and filled with hydraulic cement.

The top consists of 13 loose pieces, and of 4 pieces fastened by screws to the side of the range.

To prevent smoking the top rests on the water-tank in a layer of cement.

The covers of the cooking-holes are resting in ½-inch grooves.

The grate consists of 6 iron cast pieces.

The sides of the fire-place are protected by ½-inch cast-iron plates.

The water-tank is heated on the lower part of the side next to the inside of the range.

The oven doors are lined to avoid wasting heat.

The different sizes and measure of the range-doors, etc., are shown by the drawing.

The No. 2 range is described as follows:

The same as the No. 1 range, with the following exceptions:

Size of top cooking surface, 3 feet 7 inches by 2 feet 9 inches.

Size of baking-oven, 1 foot 4 inches by 1 foot 10½ inches.

Size of warming-oven, 1 foot 3 inches by 11½ inches.

Size of cooking-holes, 9 inches.

The top consists of 9 loose pieces, and 4 pieces fastened by screws to the sides of the range.

The grate consists of 5 iron cast pieces.

The following is a list of the trimmings for these ranges:

Tin trimmings:

1 wash-boiler.

1 coffee-boiler.

1 steamer.

1 tea-kettle, (iron or tin.)

3 bake-pans.

1 pot-cover.

⅙-inch cast-iron:

2 pots.

2 skillets.

2 griddles.

1 iron heater.

Sheet-iron No. 26:

3 joints pipe.

1 elbow.

For further explanations and details see drawings of Army cooking range, Nos. 1 and 2, marked "R" and "S."

These ranges are intended for either coal or wood, without alteration.

The No. 2 range has ample capacity for cooking for any company of troops, and is recommended for the use of companies and large hospitals, according to the number of men to be provided for. The No. 1 is recommended for small hospitals, bands, detachments, officers' messes, and for officers with families when smaller size stoves will not suffice. It is believed that each of these ranges should ordinarily last in Army use from five to ten years.

The Board concur in the opinion of the Quartermaster General, hereto attached, marked "D," relative to the allowance of stoves; that the maximum allowance of stoves to be purchased by the Quartermaster's Department should not exceed, for officers occupying public quarters owned or hired by the United States for the use of troops, a greater number, including heating and cooking, than their allowance of rooms requires, say, for a lieutenant 2, for a captain 3, as a limit, and not these if the rooms have open fire-places, except in very severe climates; for a company of troops a cooking range sufficient to cook its food, two large stoves in the dormitory, one large stove in each mess-room and day-room, and one small stove for each of the two rooms for non-commissioned officers, and one small stove for the library, when there are no open fire-places or they are insufficient in very severe climates. These recommendations, as to the maximum allowance of the number of stoves for a company of troops, is based upon the arrangement and general plans of drawings of military buildings, recommended to the Secretary of War by the Board on Revision of the Army Regulations, published September 14, 1872. As, however, most of the barracks at present occupied by troops are not built in accordance with the drawings referred to, an absolute fixed allowance of stoves, based on those plans of barracks, would not always be applicable. The Board therefore recommend that a proportionate allowance of stoves be supplied in accordance with the foregoing. It is thought by the Board that the recommendations contained herein will meet all necessary requirements for heating-stoves and cooking purposes for the Army. The importance of a system being adopted by which the spare parts of stoves and ranges can be obtained on requisition to replace those rendered unserviceable or lost is too evident to require comment. Attention is also called to the fact that the sheet-iron in general use in the Army for stove-pipe is not heavy enough, as it soon rusts and burns out. The Board recommend that, when it is absolutely necessary, each laundress be allowed to purchase

a single stove from the Quartermaster's Department at the invoiced price, when the same can be spared.

The accompanying supply-table for fixing the number of stoves for use of officers and men in public quarters and barracks is respectfully submitted. As far as practicable the Board has been governed by the suggestions contained in letter from Quartermaster General's Office, herewith, marked "D," and not recommended for adoption the stoves or ranges of any particular manufacturer. The heating-stoves, Numbers 1, 2, and 3, differ somewhat from any the Board has ever seen. Numbers 4 and 5 are similar to those advertised to be manufactured by Messrs. Van & Co., of Cincinnati, Ohio. Numbers 6 and 7 are similar to those manufactured by the Union Pacific Railroad Company, the Number 7 being somewhat altered. The Army Parlor Heater is known as the Harvard Stove. The ranges, Numbers 1 and 2, are similar to those manufactured by Messrs. Miller & Co., of Cincinnati, Ohio, the water-tank having been changed on the suggestion of the Board.

There being no further business before it, the Board then adjourned, November 15, 1875, *sine die*.

JEF. C. DAVIS,

Colonel 23d Infantry, U. S. A.

C. GROVER,

Lieutenant Colonel 3d Cavalry, U. S. A.

ALEX. J. PERRY,

Lieut. Col. and D. Q. M. General, U. S. A.

JAS. S. BRISBIN,

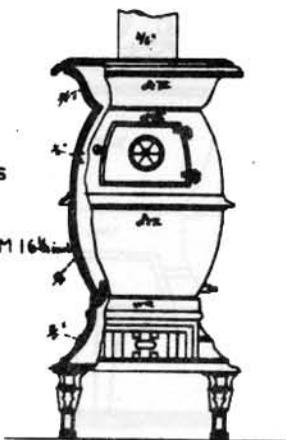
Major 2d Cavalry, U. S. A.

E. B. ATWOOD,

Captain and A. Q. M., U. S. A.

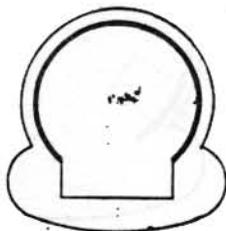
0.

DIMENSIONS
HEIGHT 2 FEET 9 INCHES
DIAMETER 15 INCHES
DIAMETER OF BOTTOM 16

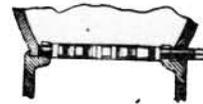
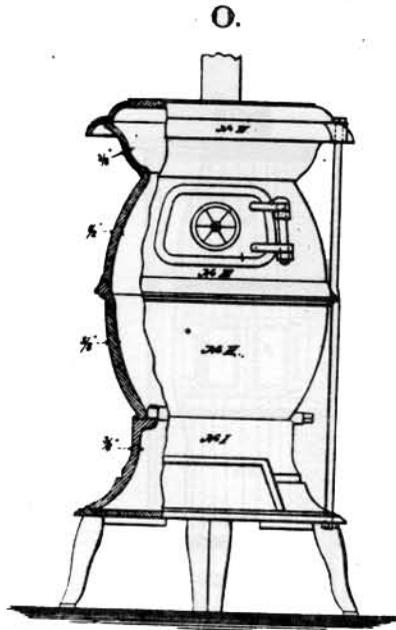


ARMY CAST IRON COAL HEATER.

N: VI



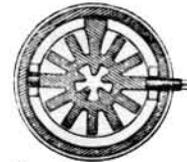
BOTTOM



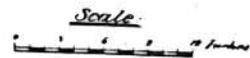
ARMY CAST IRON COAL HEATER N° VI.



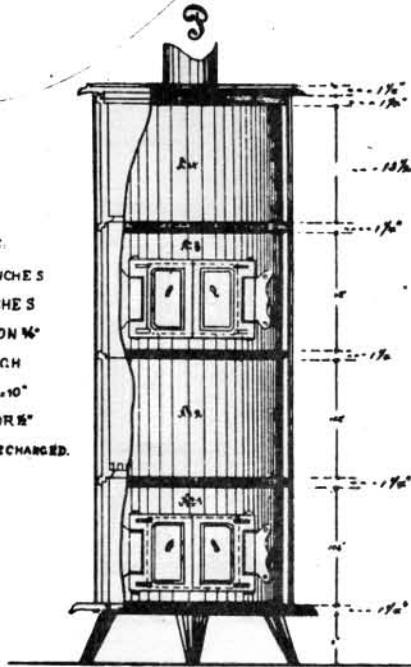
Bottom



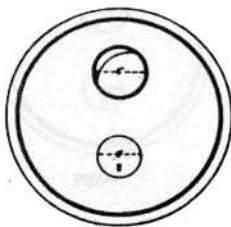
Plan View of Grate



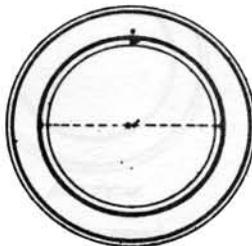
DIMENSIONS:
 HEIGHT 5 FEET 7 1/2 INCHES
 DIAMETER 20 INCHES
 THICKNESS OF IRON W/
 CYLINDERS 1/8" HIGH
 SIZE OF DOOR 8 x 10"
 THICKNESS OF DOOR 1/2"
 NO. 2, NO. 2 a & CAN BE CHANGED.



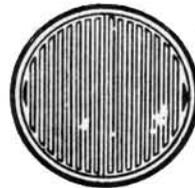
ARMY CAST IRON COAL HEATER, No. 1



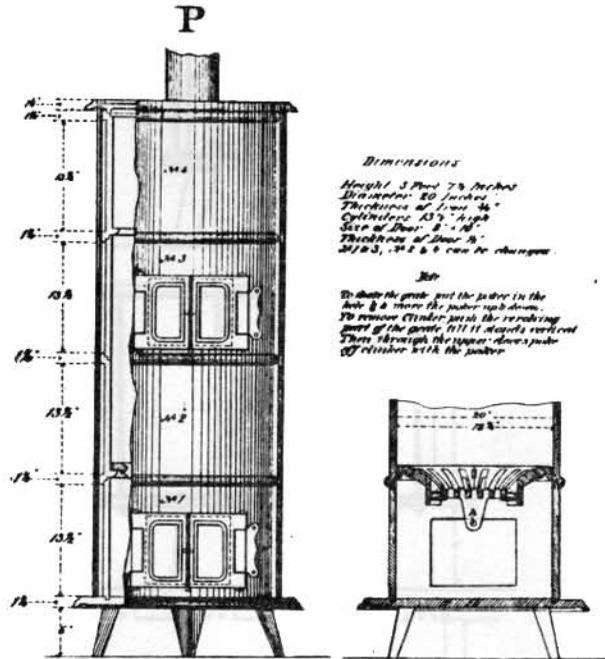
TOP.



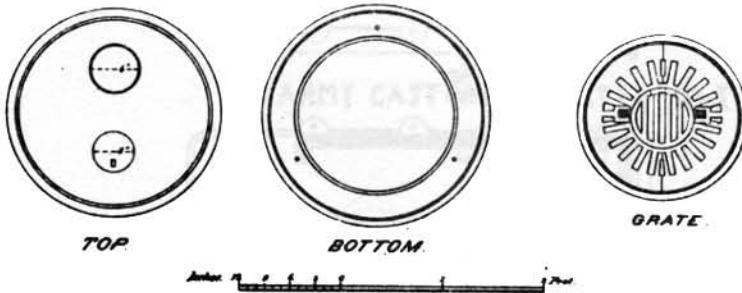
BOTTOM



GRATE.

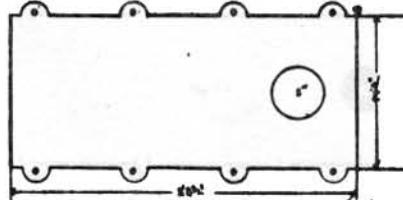
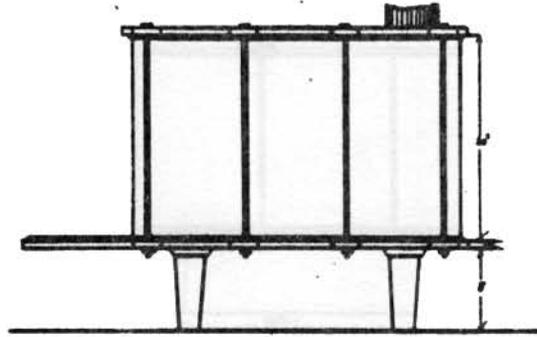
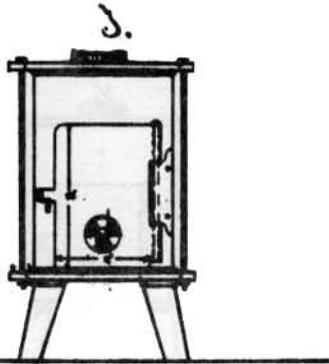


ARMY CAST IRON COAL HEATER, No VII.

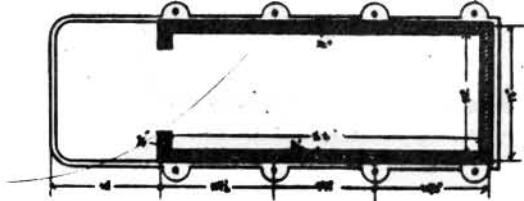


DIMENSIONS

Length of door 2'7"
 Width . . . 11"
 Height . . . 20"
 Door . . . 9 1/2"
 Height legs 2"
 Thickness, bottom top 1/2"
 " " side plate 1/2"
 " " front plate 1/2"



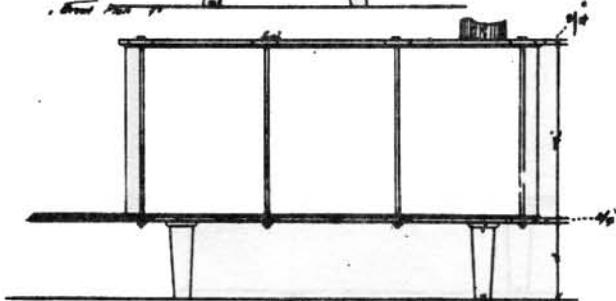
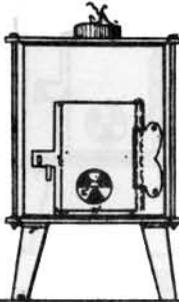
ARMY CAST WOOD HEATER No. 1



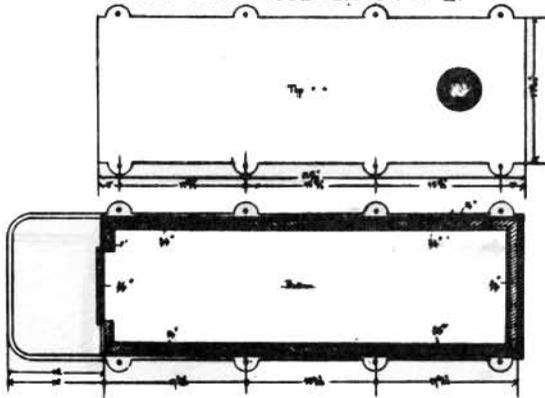
NOTE BY Q.M.S. - SIZE OF THE PIPE TO BE 6 INCH INSTEAD OF 4 INCH. RECOMMENDATION OF QUARTERMASTER GENERAL IN SUBMITTING REPORT TO THE SECRETARY OF WAR APPROVED BY LETTER

DIMENSIONS

Length of door 1' 10"
 Width " 1' 5"
 Height " 2' -"
 Door " 10 1/2"
 Height of legs - 10"
 Thickness of door, top 1/2"
 " " " " " 1/2"
 " " " " " 1/2"



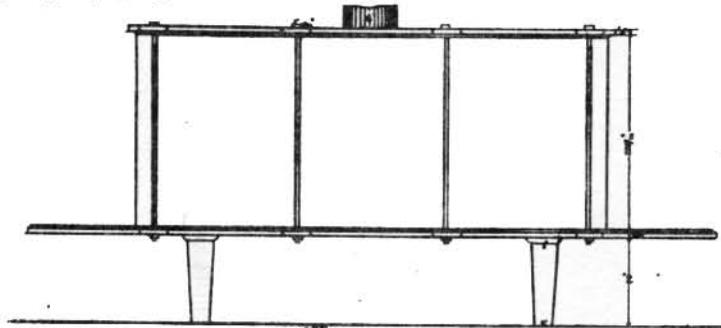
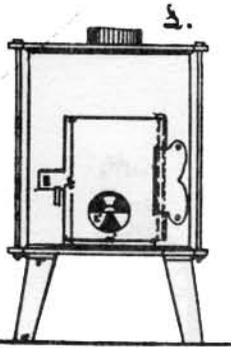
ARMY CAST WOOD HEATER No. 1.



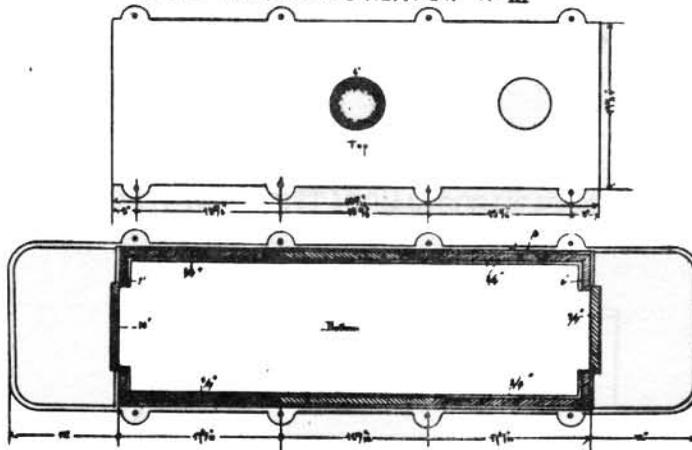
NOTE BY Q.M.G. - SIZE OF THE PIPE TO BE 1 INCH INSTEAD OF 5/8 INCH. RECOMMENDATION OF QUARTERMASTER GENERAL IN SUBMITTING REPORT TO THE SECRETARY OF WAR, APPROVED BY LATTER.

DIMENSIONS

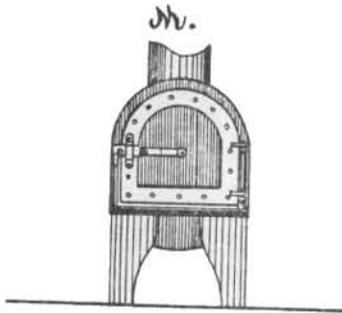
Length of stove 6' 11 1/2"
 Width . . . 1' 8 1/2"
 Height . . . 2' - -
 Area . . . 14.17"
 Height of legs 18"
 Thickness of metal, top 1/4"
 side plates 1/2"
 front plate 1/2"



ARMY CAST WOOD HEATER N: III

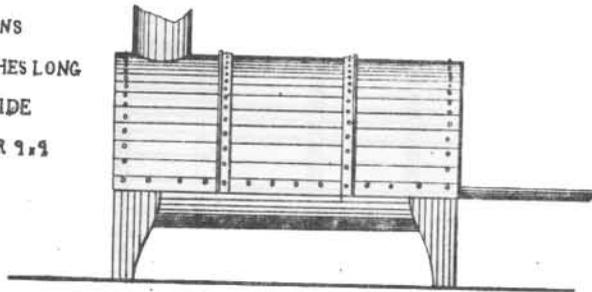


NOTE BY Q.M.S.B. - SIZE OF THE PIPE TO BE 6 INCH INSTEAD OF 8 INCH. RECOMMENDATION OF
 QUARTERMASTER GENERAL IN SUBMITTING REPORT TO THE SECRETARY OF WAR,
 APPROVED BY LAYTON

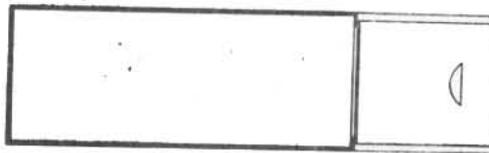


FRONT ELEVATION

DIMENSIONS
2 FEET 6 INCHES LONG
12 INCHES WIDE
SIZE OF DOOR 9.9

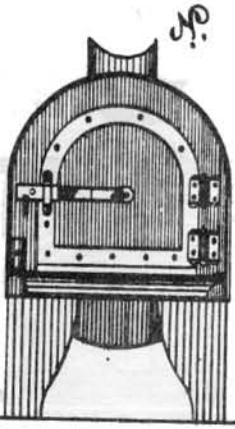


ARMY WROUGHT IRON WOOD HEATER N. III

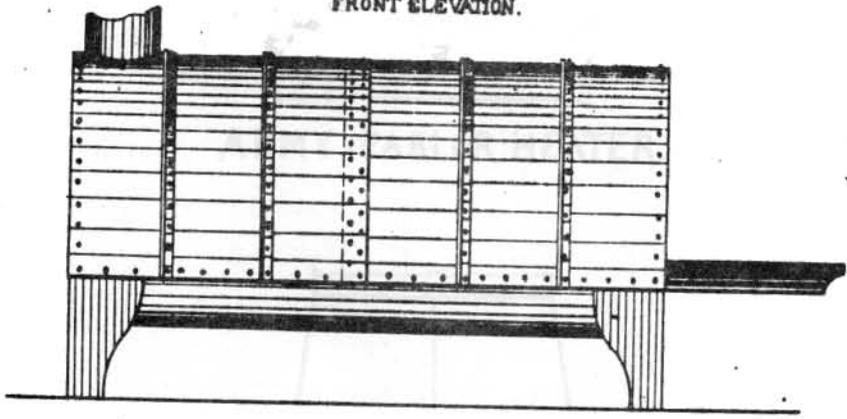


BOTTOM.

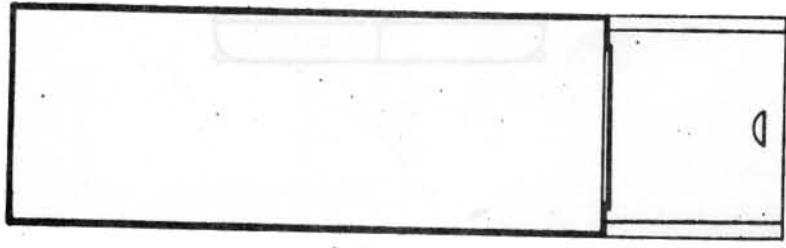
DIMENSIONS
4 FEET 2 INCHES LONG
1 FOOT 6 1/4 INCHES WIDE
SIZE OF DOOR 12 1/4 x 12 1/4



FRONT ELEVATION.

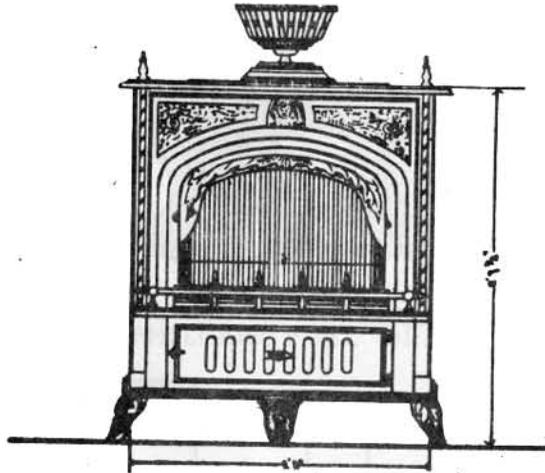


ARMY WROUGHT IRON WOOD HEATER. N.Y.

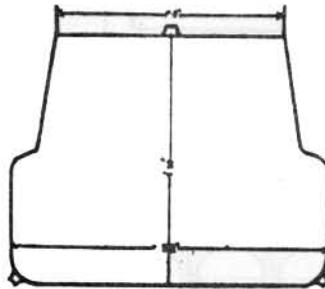


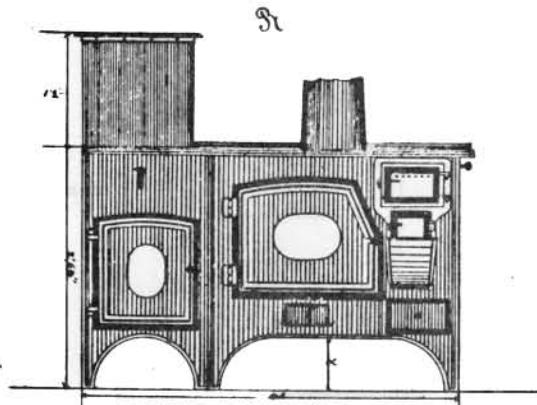
BOTTOM.

a.

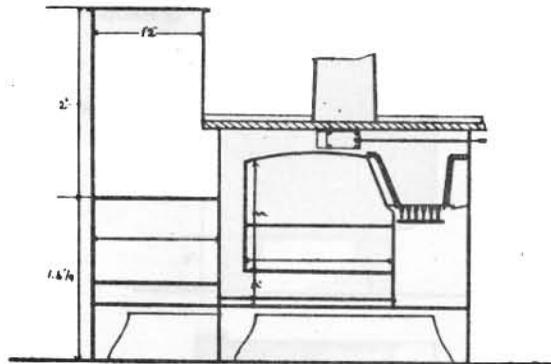


ARMY PARLOR HEATER.

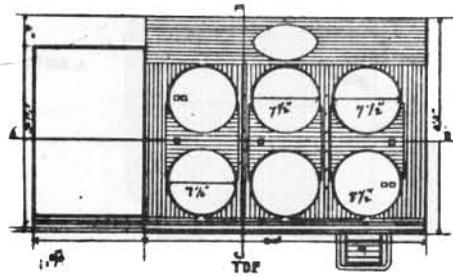




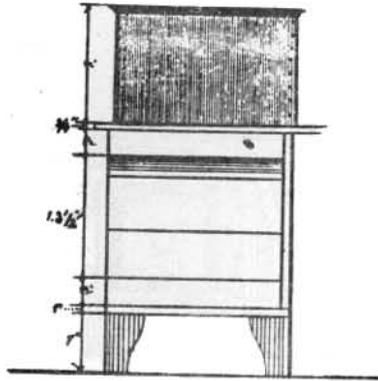
ARMY COOKING RANGE N-1



SECTION A-B



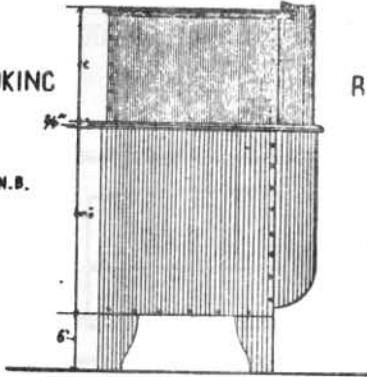
SECTION D.B.



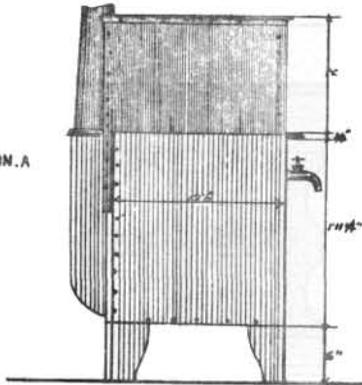
ARMY COOKING

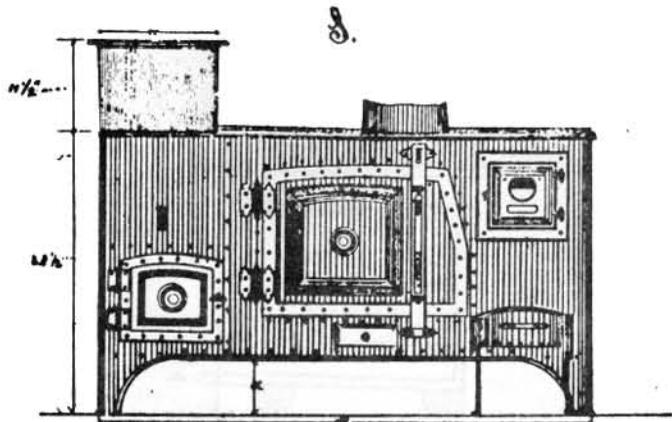
RANGE. No. I

END ELEVATION B.

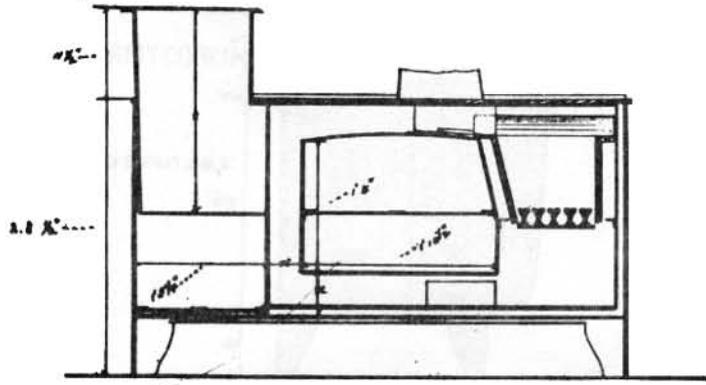


END ELEVATION A.

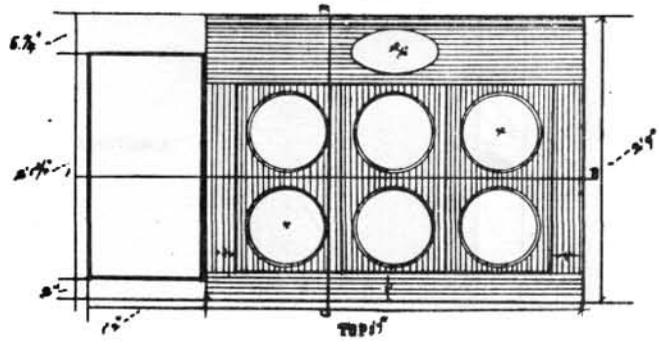




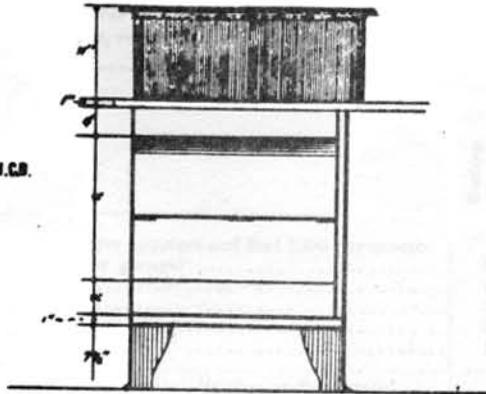
ARMY COOKING RANGE N:II



SECTION AB



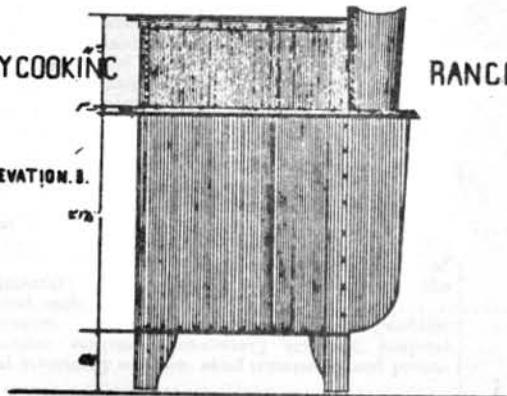
SECTION C-B.



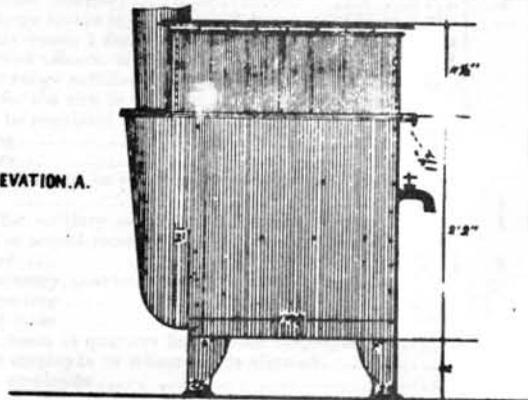
ARMY COOKING

RANCE. N: II

END ELEVATION B.



END ELEVATION A.



SUPPLY-TABLE of allowances of Stoves, recommended by the Board of Officers appointed per Special Orders No. 68, War Department, A. G. O., April 17, 1875, (where quarters are not provided with open grates, or fire-places, or these are insufficient in very severe climates.)

	FOR QUARTERS.		FOR OFFICE.
	Heating-stoves.	Cooking-stoves or ranges.	Heating-stoves.
The General. (Allowed by law for quarters and fuel \$300 per month.)			
The Lieutenant General or major general	5	1	
A brigadier general or colonel	4	1	
A lieutenant colonel or major	3	1	
A captain or chaplain	2	1	
A lieutenant	1	1	
The General commanding the Army			3
The commanding officer of a geographical division or department			2
An assistant or deputy quartermaster general; an assistant commissary general of subsistence; an assistant surgeon general; the assistant judge advocate general; the assistant and deputy paymaster general; and the chief quartermaster, and chief commissary of subsistence at the headquarters of a geographical division or department.			2
The commanding officer of a regiment or post, a paymaster, quartermaster, assistant quartermaster, commissary of subsistence, military store-keeper, and medical store-keeper, each.			1
An assistant adjutant general; an inspector general, or an assistant inspector general; an engineer officer,* an ordnance officer,* a judge advocate, a medical purveyor, and the senior medical officer when stationed on duty at any place not in the field* * Except at Military Academy.			1
An acting assistant quartermaster, an acting assistant commissary of subsistence, a regimental or post adjutant, when approved by the quartermaster general, each.			1
A wagon or forage master, sergeant-major, ordnance sergeant, saddler sergeant, quartermaster sergeant, commissary sergeant, hospital steward, regimental veterinary surgeon, chief trumpeter, and principal musician, each.	1		
Superintendent national cemetery.	1		
For a company: 2 large stoves in dormitory, 1 large stove in each the mess-room and day-room, 1 small stove for each of the two rooms for non-commissioned officers, and 1 small stove for the library, and 1 cooking-stove or range sufficient to cook its food.	7	1	
Each necessary fire for the sick in hospital, each dispensary and hospital mess-room, to be regulated by the commanding officer and surgeon, not exceeding.	1		
Each hospital kitchen.		1	
For each guard house, fire to be regulated by the commanding officer, not exceeding.	1		
Each necessary fire for military courts or boards, not exceeding.	1		
For chapel, reading or school-room, upon requisition approved by the commanding officer.	1		
Storehouse of a commissary, quartermaster, and medical purveyor, when necessary, not exceeding.	1		
A regimental or post mess.		1	
For each authorized room as quarters for civilian employes.	1		
For each six civilian employes to whom fuel is allowed.	1		
For mess of civilian employes.		1	
For telegraph office.	1		
For each blacksmith, carpenter, and saddler shop.	1		

[NOTE BY THE QUARTERMASTER GENERAL'S OFFICE.—The necessary heating-stoves for the additional office rooms authorized by General Orders No. 90, War Department, A. G. O., Nov. 1, 1875, will be allowed, not exceeding one heating-stove for each room.]

[Order appointing the Board.]

SPECIAL ORDERS }
No. 68.WAR DEPARTMENT,
ADJUTANT GENERAL'S OFFICE,
Washington, April 17, 1875.

EXTRACT.

* * * * *
2. A Board of Officers, to consist of—Colonel J. C. Davis, 23d Infantry,
Lieutenant Colonel C. Grover, 3d Cavalry,
Lieutenant Colonel R. I. Dodge, 23d Infantry,
Lieutenant Colonel A. J. Perry, Deputy Quartermaster General,
Captain C. H. Hoyt, Assistant Quartermaster,

is appointed, to meet at Omaha, Nebraska, on the 15th day of May, 1875, or as soon thereafter as practicable, to draw up and submit, for the consideration of the Secretary of War, specifications for cooking and heating stoves and ranges for Army use, and to prepare a supply-table, giving the number to be supplied for use of officers and men in public quarters and barracks.

The Board will make their report to the Quartermaster General, who will lay before the Board such information as he may have on the subject.

The junior member of the Board will act as recorder.
* * * * *

BY ORDER OF THE SECRETARY OF WAR:

E. D. TOWNSEND,
Adjutant General.

OFFICIAL:

L. H. PELOUZE,
Assistant Adjutant General.

[Orders detailing certain officers as members of the Board in place of others thereby relieved.]

SPECIAL ORDERS }
No. 80.WAR DEPARTMENT,
ADJUTANT GENERAL'S OFFICE,
Washington, May 3, 1875.

EXTRACT.

* * * * *
4. Captain James H. Lord, Assistant Quartermaster, is detailed as a member of the Board to draw up and submit specifications for cooking and heating stoves and ranges for Army use, &c., appointed by Special Orders

No. 68, April 17, 1875, from this office, to meet at Omaha, the 15th instant, *vice* Captain C. H. Hoyt, Assistant Quartermaster relieved.

BY ORDER OF THE SECRETARY OF WAR:

E. D. TOWNSEND,
Adjutant General.

OFFICIAL:
L. H. PELOUZE,
Assistant Adjutant General.

SPECIAL ORDERS }
No. 99. }
WAR DEPARTMENT,
ADJUTANT GENERAL'S OFFICE,
Washington, May 25, 1875.

EXTRACT.

* * * * *
6. Major J. S. Brisbin, 2d Cavalry, is detailed as a member of the Board of Officers to draw up and submit specifications for cooking and heating stoves and ranges for Army use, &c., appointed by Special Orders No. 68, April 17, 1875, from this office, *vice* Lieutenant Colonel R. I. Dodge, 23d Infantry, hereby relieved.

BY ORDER OF THE SECRETARY OF WAR:

E. D. TOWNSEND,
Adjutant General.

OFFICIAL:
L. H. PELOUZE,
Assistant Adjutant General.

SPECIAL ORDERS, }
No. 103. }
WAR DEPARTMENT,
ADJUTANT GENERAL'S OFFICE,
Washington, May 28, 1875.

EXTRACT.

* * * * *
7. Captain E. B. Atwood, Assistant Quartermaster, is detailed as a member of the Board of Officers to draw up and submit specifications for cooking and heating stoves and ranges for Army use, &c., appointed by Special Orders No. 68, April 17, 1875, from this office, *vice* Captain James H. Lord, Assistant Quartermaster, hereby relieved.

BY ORDER OF THE SECRETARY OF WAR:

E. D. TOWNSEND,
Adjutant General.

OFFICIAL:
L. H. PELOUZE,
Assistant Adjutant General.