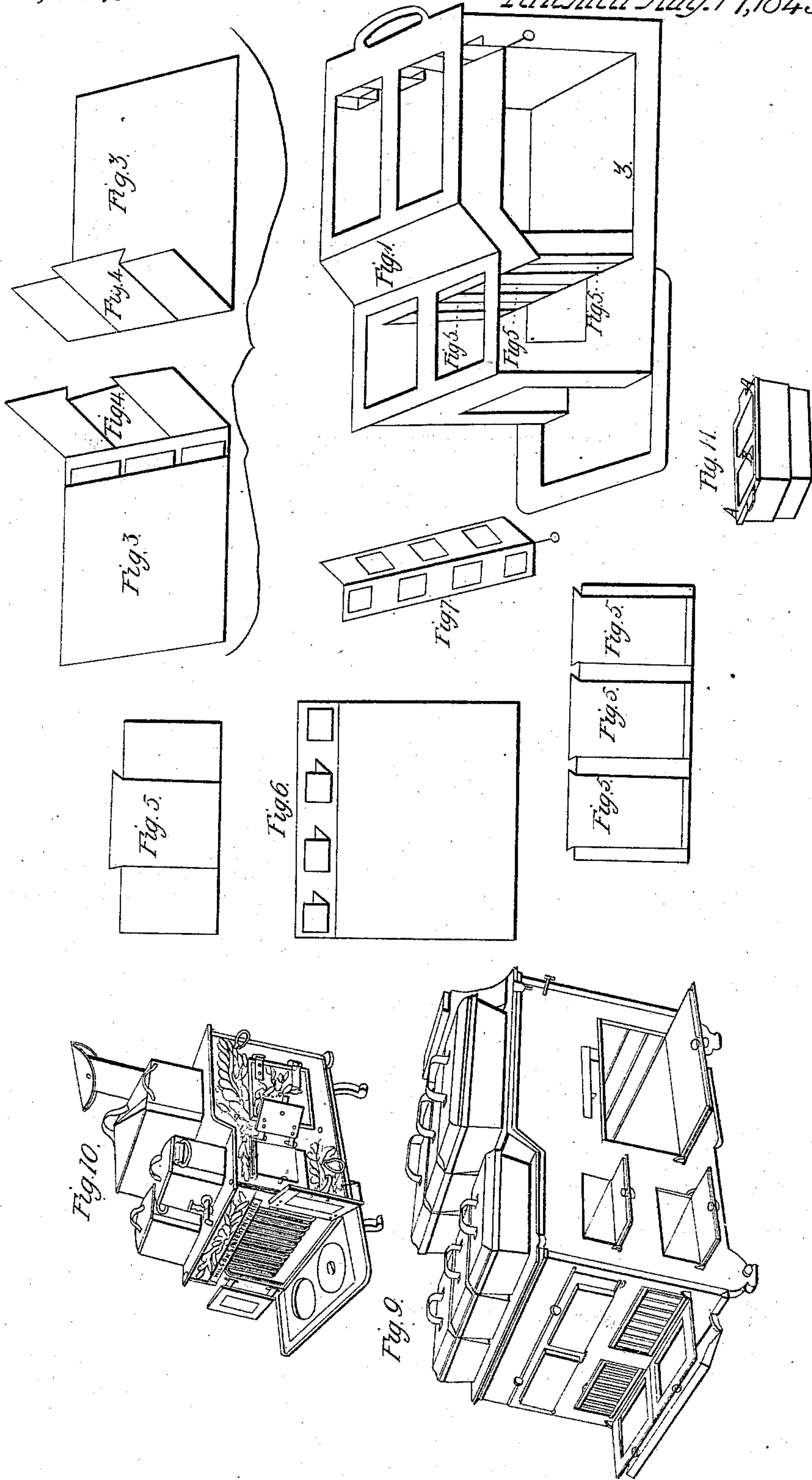


J. Wilson. Cooking Stove.

N^o 3224.

Patented Aug. 17, 1843.



UNITED STATES PATENT OFFICE.

JAMES WILSON, OF NEW YORK, N. Y.

SHIP'S CABOOSE.

Specification of Letters Patent No. 3,224, dated August 17, 1843; Antedated February 17, 1843.

To all whom it may concern:

Be it known that I, JAMES WILSON, of the city, county, and State of New York, have invented a new and useful Improvement in the Construction of Ships' Caboose or Cooking-Stoves; and the following is a full and exact description of it as improved by me in its several parts.

The improvement consists in securing the fireplates of ships' caboose or cooking stove from melting by the ordinary action of the fire the location of which being shown in the skeleton drawing of the stove, Figure 1 giving the form of the union fire and bottom oven plates united together in the same manner and for the same purpose as set forth and patented by me on the 15th day of August 1837. I desire to use it in combining its advantages in connection with the fire proof sectional soapstone or fire brick guard inserted in said union plate (Figs. 3 and 4) in one or more sections (Fig. 5) inserted by means of dovetail cavities to receive them firmly on a level with the cast plate, or they may be sustained in sections by projections on the plate forming the same plan as above described, or by any other method of securing them in sections firmly in their places, without any connection or support from the jambs or sides of the stove, so that they can be inserted in sections, at sea at any time, should they be broken or destroyed by fire.

Single sectional fireplate, (Fig. 5.)—The fire part of union plate (Fig. 5) is made separate from the bottom, with one, two, or three sections or guards, the same as the fire part of union plate (Figs. 3 and 4) to secure the same from the ravages of the fire that rests against it as seen in the part marked Fig. 5 in skeleton drawing (Fig. 1) and secured in sections in the same man-

ner as above. I use the double fan-sash shutter or damper, connected with the upright back oven plate (Figs. 6 and 7) patented by me 15th August 1837 in combination to give greater effect in heating the back of oven (Fig. 6) by passing the fire through the upper part of said plate for the purposes as set forth in former patent as connected with single, double or treble ovens as shown in (Figs. 9 and 10).

I have also made an improvement in the manner of forming the boiler so as to prevent all danger of its contents from being thrown over by the rolling of the vessel. Fig. 11 is one of my improved boilers, made in the usual form, but which may be varied in this particular. A, A, are flanches at each end which project two three or more inches inward, and effectually attain the desired end. When the boiler has a partition as at B, to divide it into two parts, such partition is to be provided on each side with a similar flanch.

I claim—

1. The sectional guard of soapstone, clay or any other substance attached or inserted in the fire plate, single or double with one or more sections as set forth in specification.

2. I use the double dovetail shutter or damper, as set forth in former patent in combination to give more perfect direction to the fire around the entire surface of one or more ovens.

3. I claim the employment of projecting flanches in the upper edges of the boilers, formed in the manner, and for the purpose, above set forth.

JAMES WILSON.

Witnesses:

THOS. P. JONES,
EDWIN L. BRUNDAGE.