(No Model.)

D. BRIX.

STOVE.

No. 267,143. Patented Nov. 7, 1882.

Fig. 1.

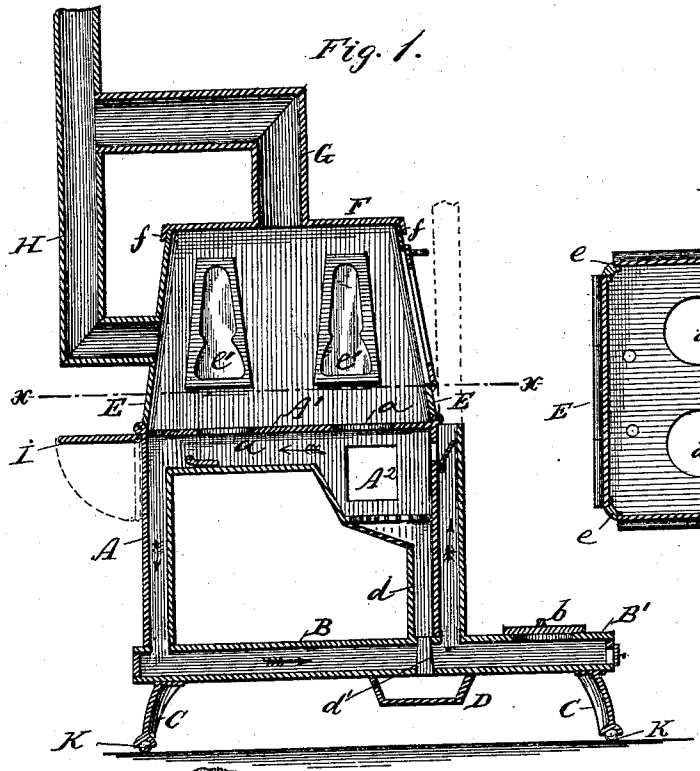


Fig. 2.

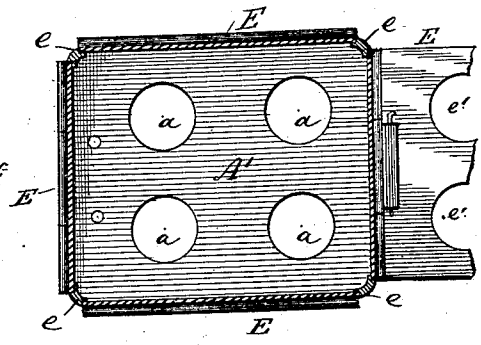


Fig. 5.

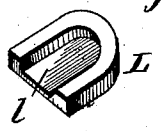


Fig. 3.

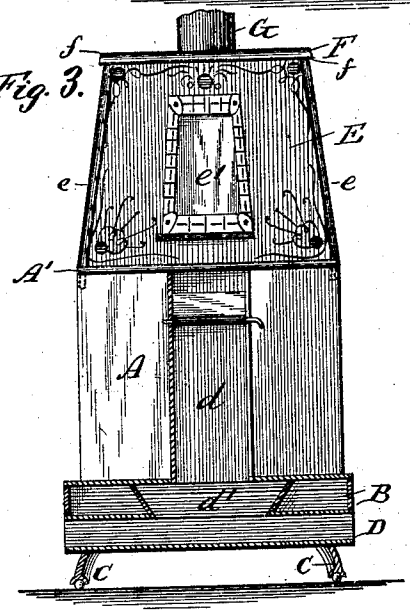


Fig. 4.

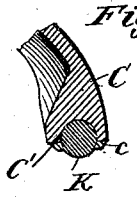
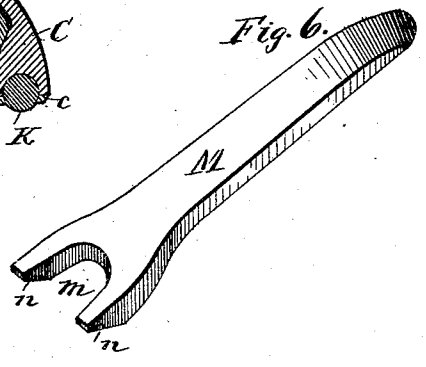


Fig. 6.



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UNITED STATES PATENT OFFICE.

DOMINICUS BRIX, OF GENESEO, ILLINOIS.

STOVE.

SPECIFICATION forming part of Letters Patent No. 267,143, dated November 7, 1882.

Application filed September 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, DOMINICUS BRIX, of Geneseo, in the county of Henry and State of Illinois, have invented certain new and useful Improvements in Stoves; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a vertical sectional view of my improved stove. Fig. 2 is a horizontal section of the same through line *x x* in Fig. 1. Fig. 3 is a vertical sectional view taken at right angles to the view shown in Fig. 1. Fig. 4 is an enlarged detail view of one of the legs of the stove. Fig. 5 is a perspective detail view of one of the leg-supports; and Fig. 6 is a similar view of the lever for elevating the leg, with its ball-caster, when it is desired to place the rest or shoe shown in Fig. 5 underneath it.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to stoves or ranges for cooking purposes which are adapted also to be used for heating purposes; and it consists in the improved construction and combination of parts, as hereinafter more fully shown and described, whereby a cooking-stove may be converted into an ornamental parlor-stove for heating purposes in a moment of time and with a minimum of labor.

In the accompanying drawings, the letter A represents the body of the stove, which may be of any suitable size and of any approved construction. I prefer, for this purpose, a stove of the construction illustrated in the drawings, in which the body of the stove, with its oven, is mounted upon a hollow base, B, which constitutes a flue supported upon legs C, having ball-casters K. Underneath this base is the ash-pit D, which communicates with the fire-box A^2 through a passage, *d d'*, into which the ashes fall through the grate-bars in the bottom of the fire-box. The latter is provided with suitably-arranged doors and dampers for feeding the fuel and regulating the draft.

The top of the stove, A', has any desired number of fire-holes, *a*, according to its size or number, and may be provided with a hinged shelf, I, having suitable means for its support in an extended or horizontal position. I also prefer to construct the horizontal bottom flue, B, with an extension, B', having a door or damper at its outer end, through which cold air may be let into the flue, and having an opening in its top, closed by a removable cover, *b*. This extended part of the flue may, however, be dispensed with, if desired, as it does not affect the operation of the parts constituting my improvement. This consists in the hinged sides E and removable flanged cover F, by which a hot-air drum is formed on top of the stove. There are four of these sides, hinged respectively to the four sides of the body of the stove in such a manner that they may be detached at will. As it is important to make this hot-air drum air-tight, or nearly so, to prevent the escape of the products of combustion into the room in which the stove is placed, I employ corner-pieces *e*, at the lower ends of which are tenons fitting into holes bored in the four corners of the top plate A'. These corner-pieces are rabbeted or recessed along their edges to receive the edges of the hinged plates E and form a perfect joint with them, as will be seen by reference to Fig. 2 of the drawings.

F is the top-plate, which has side flanges, *f*, overlapping the top edges of the hinged plates E, so as to fit closely upon them and bind them together. I prefer to construct the hinged sides or plates E with windows or openings *e'*, covered with thin panes or sheets of isinglass or mica.

G and H are the smoke-flues, through which the smoke and hot air escape from the heating drum or dome E F into the chimney or into any other suitable outlet, the covers or lids of the fire-openings *a* being of course removed when the stove is used as a parlor or heating stove. By the employment of two flues, arranged as shown and intersecting each other at right angles, I have found that all products of combustion which escape into the removable dome from the fire-box below are carried off effectually, even if there should be some slight leakage in the joints of the removable dome or hot-air chamber E F.

I prefer to construct the legs C of my improved stove with ball-casters K, which rest in semi-spherical recesses in the bottom or un-

der side of the stove-legs, as shown more clearly in Fig. 4 of the drawings, and are held in place by an annular plate, *c*. To prevent indentation of the parlor-floor by the balls K, I employ a shoe or support, L, (shown in Fig. 5,) having a recess, *l*, which is pushed in under the ball, while the appropriate stove-leg is elevated a little above the floor by means of the lever or lifting device shown at M in Fig. 6. This is done simply by inserting its beveled lips *n n* under plate *c* on opposite sides of the ball, which fits into the recess *m*, and then depressing the projecting outer end of the lever, which elevates the stove-leg sufficiently to slide the recessed shoe L under it.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, with a stove or range of any suitable construction, of a detachable dome or hot-air chamber formed by the removably-hinged side plates, E, removable corners *e*, and flanged top or cover F, said dome being provided with suitably-arranged flues, G H, substantially as and for the purpose herein shown and described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

DOMINICUS BRIX.

Witnesses:
LOUIS BAGGER,
JNO. A. MADIGAN.