A. J. SENNETT.

Stove-Cover.

No. 204,623. Patented June 4, 1878.

Fig. 1

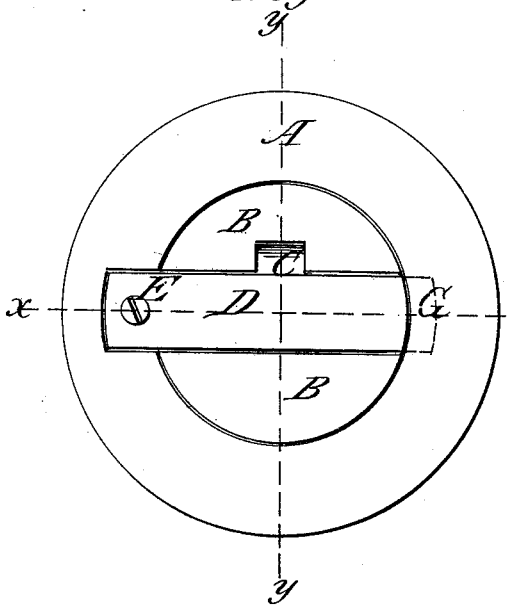


Fig. 2.

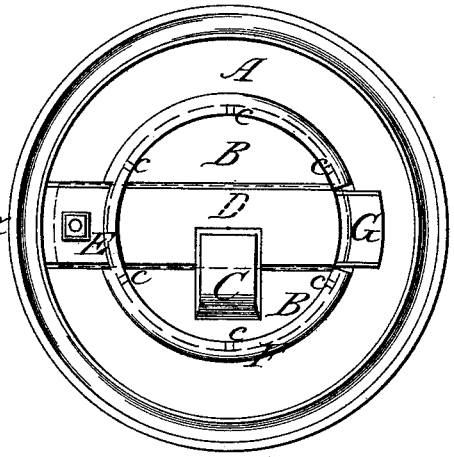


Fig. 3.

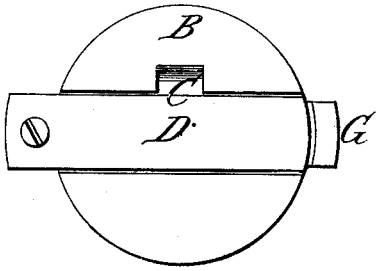


Fig. 4.

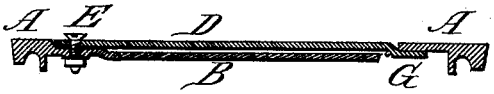
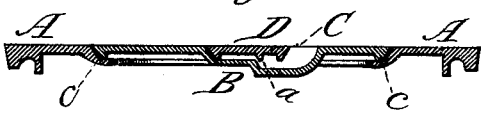


Fig. 5.



Attest:

A. M. Stout
Wm A Cooke

Inventor.

Abner J. Sennett

UNITED STATES PATENT OFFICE.

ABNER J. SENNETT, OF LOUISVILLE, KENTUCKY, ASSIGNOR TO BRIDGEFORD & CO.

IMPROVEMENT IN STOVE-COVERS.

Specification forming part of Letters Patent No. **204,623**, dated June 4, 1878; application filed April 26, 1878.

To all whom it may concern:

Be it known that I, ABNER J. SENNETT, of Louisville, county of Jefferson, and State of Kentucky, have invented certain Improvements in Stove-Covers, of which the following is a specification:

My invention relates, in the first place, to providing the common stove-cover with a center-piece, which is fitted into a suitable opening therein, and mounted upon a suitable ledge extending around such opening, so that in case it should break it will not fall into the stove; in the second place, to the construction and arrangement of a device which securely fastens the center-piece in its position, and is not itself injuriously affected by heat; in the third place, to providing the under side of the outer edge of the center-piece with a series of points or projections, in order that some air will be admitted between it and the ledge, which will not be injurious to combustion, but yet will prevent these adjoining parts from becoming intensely heated; and, in the fourth place, to a recess in the top side of the center-piece so deep and so long and of such shape that the cross-bar, hereinafter more fully described, will, when in position, cover a part of such recess, and in this way will be furnished a suitable opening for the insertion and use of a lifter for the stove-covers. Such covers, when in one piece, are inclined to bulge up in the center, because of a concentration of heat upon that portion from within the stove, and crack and break in consequence; and such covers having center-pieces riveted thereto upon the under side are likewise objectionable, because the expansion of the metal by heat causes the bolts to break, and in such case the center-pieces fall inwardly. But a center-piece made according to my invention cannot, even when broken, fall inwardly, for its edge rests upon the ledge before mentioned, and the fastening of the same will not give way, because the cross-bar, hereinafter described, is fastened by a bolt at one end only, while the other end is extended under the inner edge of the main body, it having been cut down for that purpose, so that the center-piece can expand and contract independently of both the cross-bar and main body.

My said invention will be further described with reference to the accompanying drawings, in which—

Figure 1 represents a top view of a stove-cover embracing my said improvements; Fig. 2, a bottom view of the same; Fig. 3, a top view of the center-piece, with the cross-bar resting in its groove in its proper position therein; Fig. 4, a cross-section of the whole device, as indicated by the broken line *x x* in Fig. 1; and Fig. 5, a like section, taken as indicated by the broken line *y y* in Fig. 1.

A is the main body; B, the center-piece; *c c c c*, the projections on the under edge thereof; C, the recess extending under the cross-bar D; E, the screw-bolt; G, the farther end of the bar D, cut down so as to pass under the inner edge of the main body A, while the residue of its upper surface remains flush with those of the main body and center-piece. F is the ledge extending around the opening in the main plate A, for the center-piece to rest upon. The circumference of the center-piece B should be so much less than that of the opening for it in the main plate A that it will have sufficient room to expand in heating, and the bar D should have like room in its bed in both of the plates A and B. It is obvious, however, that as the bar D is fastened to plate A at one of its ends only, it is free to expand and contract endwise as well as sidewise, and that no strain will be exerted upon the fastening E by such action, and that fastening would not even be necessary except for the necessity of removing the cover. A hiatus is left in the ledge F for the passage of the free end of the bar D. The bolt E may be riveted, so as to confine the bar D; or it may be fastened in any other suitable manner.

The bar D and the center-piece B may be cast in one piece; but that construction would not allow of the same freedom of expansion as the one shown, and would result in greater injury from intense heating, and therefore I prefer them cast in separate parts.

The recess C is cast into the center-piece, of such form and length that the bar D, when in

position, will form the upper or holding portion of the recess for the lifter that may be used in handling the cover.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The center-piece B, provided with the points *c c c c* under its outer edge, and the main body A, provided with an annular ledge for the center-piece to rest upon, substantially as and for the purpose described.

2. The cross-bar D, having one end embedded in the upper surface of and fastened to the plate A, and the other end, G, inserted under the top surface of the same, but left free to expand endwise, adapted to lock the center-piece B in position, substantially as described.

3. The combination of the depression C in the center-piece B and the cross-bar D, adapted to form a suitable recess for a lifter for handling the stove-cover, substantially as shown and described.

ABNER J. SENNETT.

Witnesses:
A. M. STOUT,
WM. A. COCKE.