J. B. CHOLLAR.

Cooking Stove.

No. 6,087. Patented Feb. 6, 1849.

Fig. 3

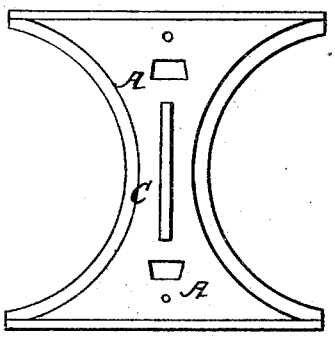


Fig. 2

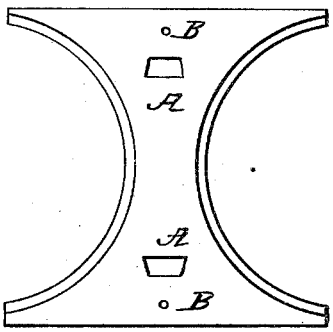


Fig. 1

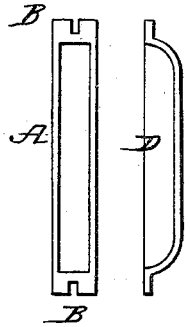


Fig. 5

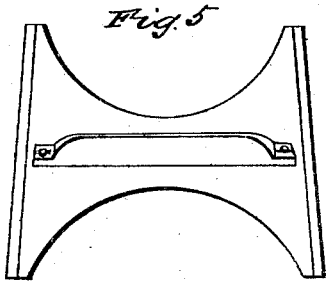


Fig. 4

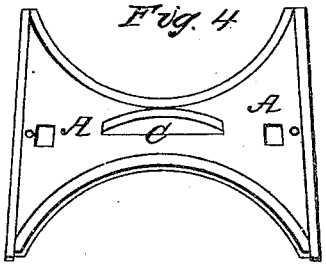


Fig. 6

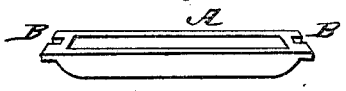


Fig. 8.

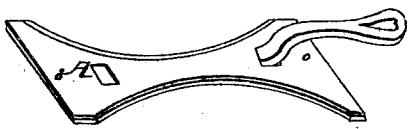
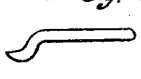


Fig. 7



UNITED STATES PATENT OFFICE.

JNO. B. CHOLLAR, OF WEST TROY, NEW YORK.

PLATE FOR BOILER-HOLES AND TOPS OF STOVES.

Specification forming part of Letters Patent No. 6,087, dated February 6, 1849; Reissued May 31, 1859, No. 732.

To all whom it may concern:

Be it known that I, JOHN B. CHOLLAR, of West Troy, Albany county, State of New York, have invented a new and useful improvement in the manner of making cross or center pieces to cooking stoves and ranges, thereby greatly increasing their durability and strength; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in forming a protective shell or case in the form of a tray or trough of cast iron and so adapting it to the under side (next the fire) of the center or cross piece as to protect it from the heat of the fuel needed to be used for culinary or other purposes thereby avoiding the loss of the center or cross piece by its settling when heated. To enable others skilled in the art to make and use my invention I will proceed to describe its construction and application.

I construct my cross or center piece after the usual form with its curved sides and dimensions to conform to the size of the pot or kettle, and stove to be used.

Reference being had to the annexed drawings—Figure 1, plan of my protective shell or case showing the face which connects with the cross or center piece; A, the recess forming the shell; B B, slot openings left in the castings for the admission of rivets to fasten the shell to the cross or center piece in such a manner as to admit the shell to expand and contract from the action of the fire and not to effect the cross or center piece; D, section of shell. Fig. 2, plan of cross or center piece showing the upper face as when placed on the stove; A A, holes opening through the center piece into the shell when fastened by rivets through holes B B. Fig. 3, plan of cross or center piece showing the under side; C, light stiffening piece.

Fig. 4, perspective view of cross or center piece showing under side; C, light stiffening piece. Fig. 5, perspective view of the under side of cross or center piece showing my protective shell attached. Fig. 6, perspective view of my protective shell or case. Fig. 7, section of the handle or lifter used for handling the cross or center piece griddles or other fixtures about stoves when hot. Fig. 8, perspective view of cross or center piece with handle or lifter applied.

All parts thus being described I will now state the manner and mode of attaching my protective shell or case to the cross or center piece with some of the benefits to be derived therefrom. First after casting the center or cross piece and shell I take them to the grindstone (as the most expeditious) and grind the faces of the parts that are to be placed in contact making a good joint, then with two rivets passing through the openings B B Fig. 1 and through the holes B B Fig. 2 and with a hammer thus riveting the protective shell to the cross or center piece as shown in Fig. 5 thereby making a good and desirable cross or center piece.

The openings A A are for the double purpose of receiving the lifter or handle Fig. 7 and as openings for the admission of air thereby keeping the shell and center piece cool. The great difficulty prior to my invention has been that the cross or center piece by becoming heated warped or settled in such a manner as to render said cross or center piece entirely useless. The same difficulty exists if it has not been increased by casting a slight strap on the under side of the cross or center piece, but with my improvement as above stated the cross or center piece may be rendered substantial.

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

The application of a hollow shell of cast iron as a protective plate in connection with the holes A A to center or cross pieces for cooking stoves and ranges as described above.

JOHN B. CHOLLAR.

Witnesses:

THOS. H. SCHUYLER,

J. W. MARSHALL.

[FIRST PRINTED 1913.]