H. C. MILLIGAN.

SHEET-METAL VESSELS FOR CULINARY PURPOSES.

No. 189,250. Patented April 3, 1877.

Fig. 1.

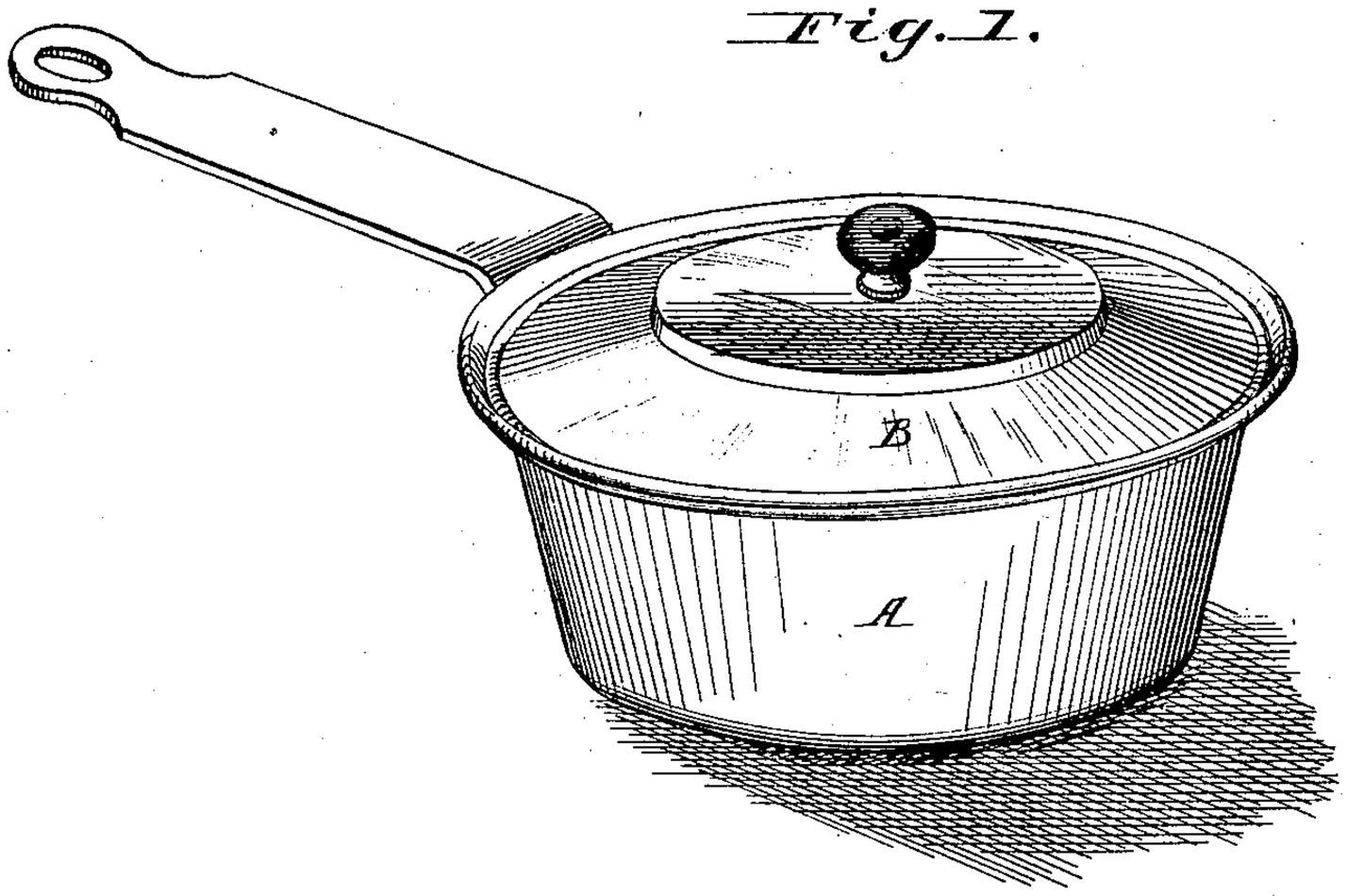


Fig. 2.

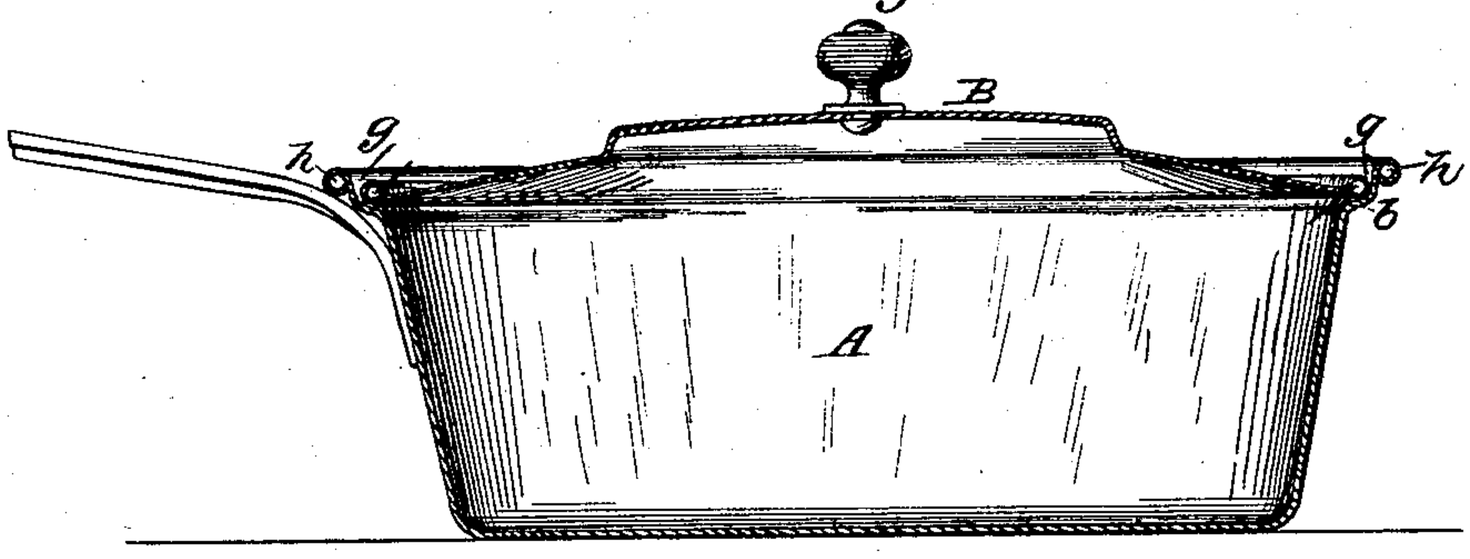
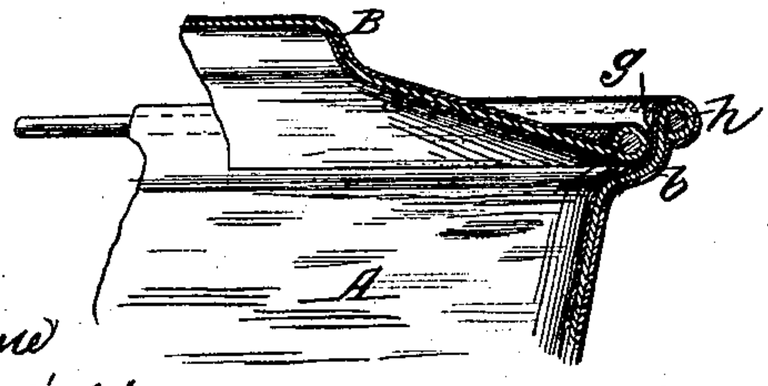


Fig. 3.



Attest:
H. L. Perrine
James M. Wright, Jr.

H. C. Milligan.
Inventor.

By. James L. Norris.
Attorney.

UNITED STATES PATENT OFFICE.

HENRY C. MILLIGAN, OF BROOKLYN, NEW YORK, ASSIGNOR TO LALANCE & GROSJEAN MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN SHEET-METAL VESSELS FOR CULINARY PURPOSES.

Specification forming part of Letters Patent No. **189,250**, dated April 3, 1877; application filed February 5, 1877.

To all whom it may concern:

Be it known that I, HENRY C. MILLIGAN, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Sheet-Metal Cooking-Utensils, of which the following is a specification:

This invention relates to certain improvements in the construction of that class of culinary vessels which are struck up or spun up from sheet metal, its object being to so construct such vessels as to form a support for the cover and dispense with the usual flange heretofore employed on the under side of the cover.

To this end my invention consists in forming the under edge of the vessel with an annular rounded shoulder or offset extending outwardly, which forms a seat upon which the cover sits loosely, and by which it is supported in position, the extreme edge of the vessel being turned outwardly over an annular wire, by means of which great strength is imparted to the upper portion or mouth of the vessel, thereby enabling me to use the lightest quality of sheet metal in its construction.

In the drawing, Figure 1 represents a perspective view of a sheet-metal vessel constructed according to my invention. Fig. 2 represents a sectional view of the same; and Fig. 3 represents a detached sectional view of the same enlarged.

In the drawing, the letter A represents a vessel formed of a single piece of sheet metal, by striking or spinning the same up from a circular blank. The said vessel, at or near its upper edge or mouth, is constructed with an outwardly-extending rounded or curved flange or shoulder, *b*, forming an annular recess, *g*, which serves as a seat for the cover B when in place.

The extreme edge of the vessel is turned over outwardly, and secured around a wire annulus, *h*, whereby great strength and rigidity are imparted to the upper part or mouth of the vessel, the part most liable to be effected by crushing-strains, thus securing the utmost strength to the vessel, and at the same time enabling the lightest quality of metal to be employed in its construction.

I am aware that heretofore a sheet-metal baking-pan has been constructed with an elliptical upper edge, and a shouldered elliptical cover employed to secure the same; but in such construction, in order to secure the cover, the same has to be sprung over the upper elliptical edge of the vessel with considerable force.

Owing to the expansion and contraction attendant upon the changes of temperature to which culinary vessels are subjected, such construction is extremely inconvenient and unreliable, as the cover cannot be made to fit with any degree of certainty.

In the present case both the cover and vessel are circular, and the cover fits loosely into its seat, and does not depend in any degree upon the elasticity of either the vessel or the cover to secure and keep it in place, the annular seat formed by the shoulder forming a recess for the support of the cover.

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

A vessel, A, constructed of sheet metal spun or struck up into the desired shape, and provided with a rounded shoulder or offset, *b*, at or near its upper edge forming an annular seat, *g*, for the cover, and strengthened at its extreme edge by an inclosed annular wire, *h*, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

HENRY C. MILLIGAN.

Witnesses:

C. L. OSGOOD,

JOS. L. COOMBS.