

G. BROUGHAM.
CANS FOR PACKING MEAT.

No. 179,154.

Patented June 27, 1876.

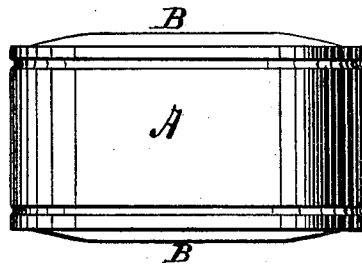


FIG. 1.

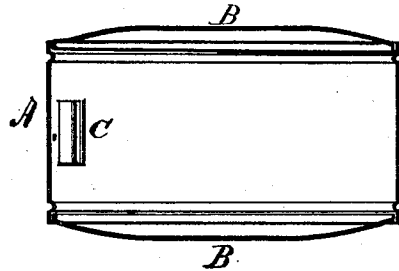


FIG. 2.

WITNESSES:

H. A. Porter
Ford R. Smith

INVENTOR:

Geo. Brougham
by Munday & Coats
his attys.

UNITED STATES PATENT OFFICE.

GEORGE BROUGHAM, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN CANS FOR PACKING MEAT.

Specification forming part of Letters Patent No. **179,154**, dated June 27, 1876; application filed December 31, 1875.

To all whom it may concern:

Be it known that I, GEORGE BROUGHAM, of the city of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Cans for Packing Meat, of which the following is a specification:

It is now well known among those acquainted with the art that one of the best and most economical methods of preserving meat is by hermetically sealing the same in suitable cans in a solid or compressed state, without more moisture than is sufficient to preserve the contents in a palatable condition, and that one of the simplest methods of solidifying or compressing the meat is by the employment of atmospheric pressure exerted upon the outside of the can after the can has been filled, and a partial vacuum has been created therein by the sealing process, which pressure tends to collapse the can upon the meat, and to solidify the contents.

The present invention relates to an improved can, which is designed especially to accommodate itself to this method of solidifying or compressing the meat.

In the accompanying drawing, which forms a part of this specification, Figure 1 is a side view of my improved can, and Fig. 2 a vertical section thereof.

Like letters of reference used in said figures indicate like parts.

It will be noticed that my improved can presents a peculiar form, in that its lateral dimensions are much larger in proportion to its longitudinal dimensions than in ordinary vessels. While these relative dimensions may be varied to some extent, yet it is essential, inasmuch as the sides are straight and have not the strength of the bulge form seen in barrels and other like vessels, that they be made short enough to withstand the atmospheric pressure.

In said drawing, A represents the vertical sheet-metal rim, constituting the sides of the drum or cylinder. B B are the bulging or convex heads, which are joined to A by any of the well-known methods. I prefer, however, that they should be set inside of A, in the manner shown in the drawing. As to the form of the bulge and the extent thereof, I recommend that it be not a portion of a perfect sphere, because such form will not so readily yield as when the bulge is somewhat flattened at its upper line. C is the guard-plate or bridge placed beneath the vent.

In filling the can I usually prefer to have one of the heads left out, which, after the can is filled full, and, perhaps, slightly heaped, if that is necessary to cause it to contain the requisite amount, I press down into place, and solder fast.

When the can thus filled has been put through any of the ordinary sealing processes, and the atmospheric pressure brought to bear, the heads readily collapse and follow the meat home to the requisite degree of solidity.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The preserved-meat can, having heads with an outward bulge, capable of becoming an inward bulge, while the heads are secured to the sides, and having straight sides, the height of the can being not greater than the diameter of the heads, or of the larger of unequal heads, whereby sufficient metal is allowed in the heads to accommodate the collapse produced by atmospheric pressure, and the strength and substantial form of the sides is preserved, substantially as specified.

GEORGE BROUGHAM.

Witnesses:

A. McNEILL,
G. C. WEBSTER.