(Model.)

H. G. FILSON.

IMPLEMENT USED IN THE MANUFACTURE OF CANS, &c.

No. 327,247. Patented Sept. 29, 1885.

Fig. 1.

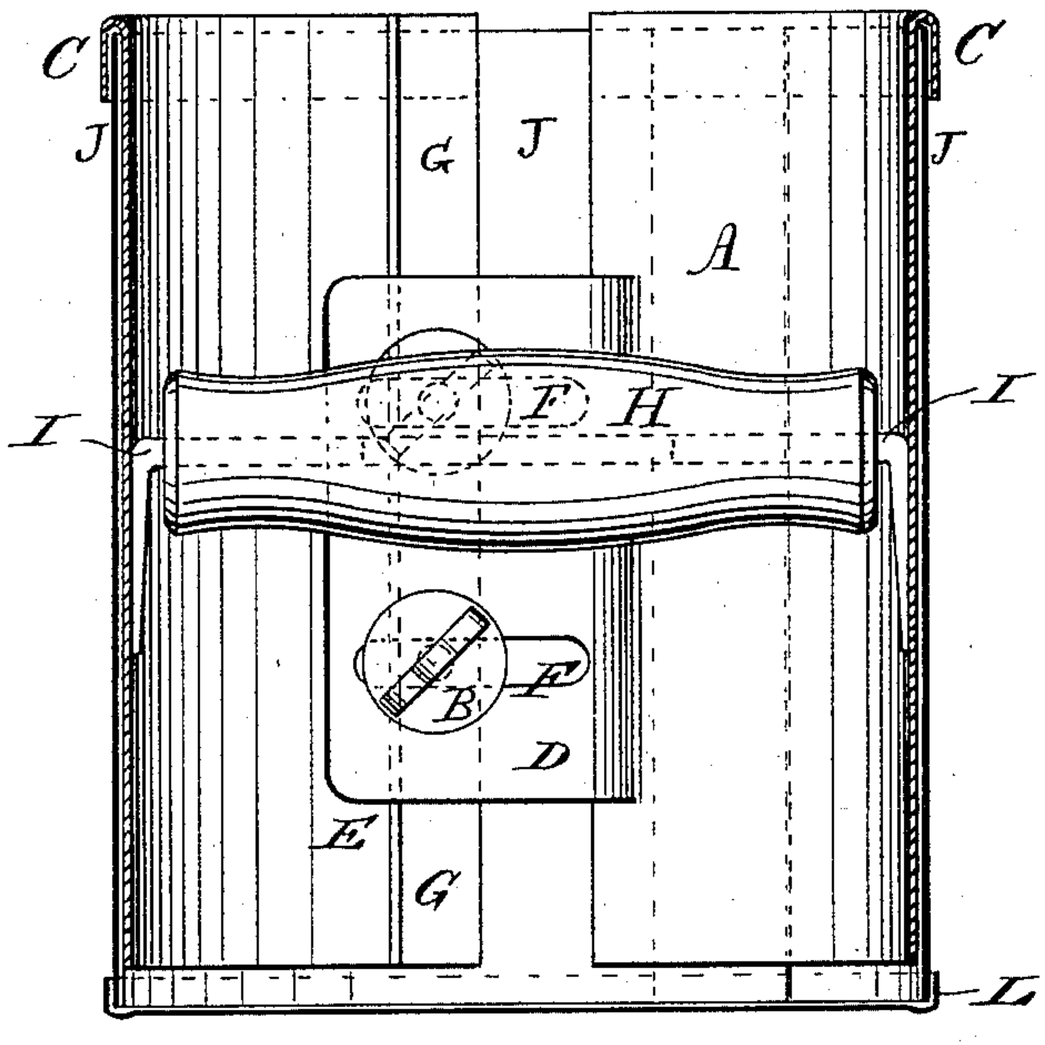
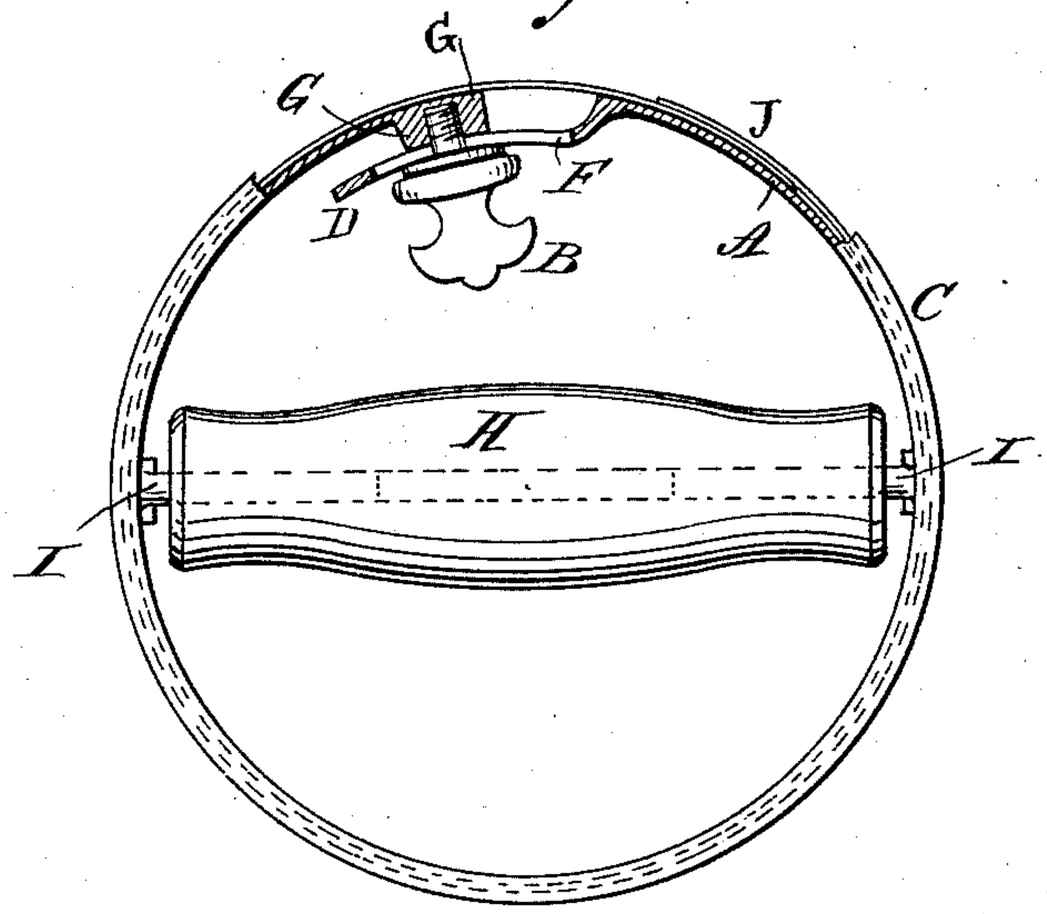


Fig. 2.



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IMPLEMENT USED IN THE MANUFACTURE OF CANS, &c.

SPECIFICATION forming part of Letters Patent No. 327,247, dated September 29, 1885.

Application filed July 30, 1885. (Model.)

To all whom it may concern:

Be it known that I, HIRAM G. FILSON, of New Cumberland, in the county of Hancock and State of West Virginia, have invented a new and Improved Implement to be used in the Manufacture of Cans, Cups, and other Similar Articles, of which the following is a full, clear, and exact description.

The improved device is adapted to be used in soldering the edges and bottoms of cylindrical articles made of metal.

This invention consists, first, in an adjustable cylindrical holder to be employed in soldering the edges and bottoms of cylindrical articles made of metal, and is adjustable in diameter so as to be adapted to support articles to be soldered of different diameters; second, in self-adjusting bearings and a handle placed on the interior of the holder by which to withdraw it from the soldered article, as described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 represents a central vertical section of the implement with the body and bottom of a can in position to be soldered. Fig. 2 represents a top view of Fig. 1, with the adjustable locking device to increase or diminish the diameter of the implement in section, with the body of a can in place.

A in the accompanying drawings represents a cylinder which is rendered adjustable in diameter by being divided longitudinally, and provided with thumb-nuts B, to retain it in any desired fixed position. The upper edge of this cylinder has a short return-fold, C, with sufficient space between it and the body of the cylinder to receive the upper edge of a can, J, as shown in Fig. 1, to determine the diameter of the can, and to hold it while the bottom is placed and the bottom and side soldered.

A portion, D, of one edge of this split cylinder A extends so as to overlap the opposite edge, E, and is provided with slots F, to admit the shanks of the thumb-nuts B, to adjust and hold the cylinder at any required fixed diameter.

To the edge E is secured a stiffening-strip, G, which serves also to receive the shanks of the thumb-nuts B, as shown in section, Fig. 2.

To the interior of this expanding and contracting cylinder is fitted a self-adjusting handle, H, by which to remove it from the can. It will be observed that this handle H is somewhat shorter than the interior diameter of the cylinder, and is supported on two wires, I, secured to the opposite sides of the cylinder which project inwardly a sufficient distance to sustain the handle and have their ends at a sufficient distance apart to admit of diminishing and enlarging the diameter of the cylinder without interfering.

The length of the cylinder A is somewhat shorter than the body of the can J in order to secure the bottom L thereto, and that the same cylinder may be used in making shorter cans when required.

The use of this implement in the manufacture of cans, cups, and other similar articles may be briefly stated as follows: The cylinder A having been set at the required diameter, the body J, for a can of the proper size and of cylindrical form, is placed over the cylinder A, its upper edge under the return-fold C, and the two edges of the body overlapping, as shown in Fig. 2. The bottom L is then placed over the lower end of the body in the usual manner, and the bottom and side soldered. The cylinder A is then withdrawn from the interior of the can by the handle H, and the can is now prepared to receive its cover and thus be completed.

By the use of this implement in the manufacture of cans, cups and other similar articles it will readily be seen that the work is materially facilitated and the articles will be all of uniform diameter, so that the bottoms and covers, being previously prepared of uniform diameter, will fit closely and may be readily applied.

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

In an implement to be employed in the manufacture of cans, cups, and other similar articles, in combination with an expanding and contracting cylinder, the handle H, with adjustable bearings I, substantially as herein described.

HIRAM G. FILSON.

Witnesses:
W. H. BEEBOUT,
R. H. JACKSON.