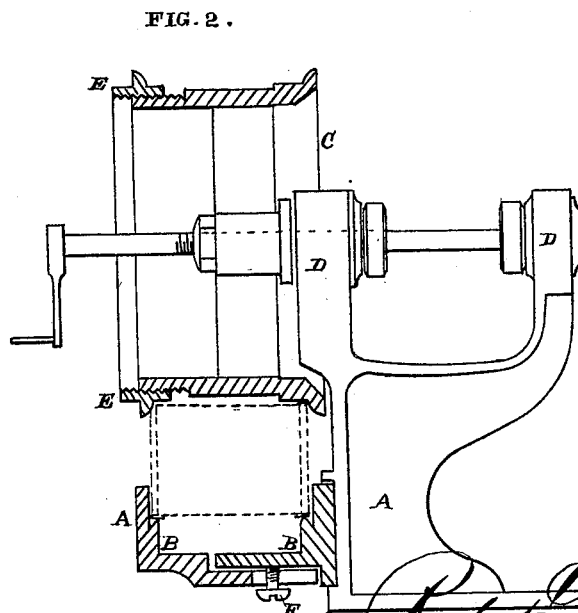
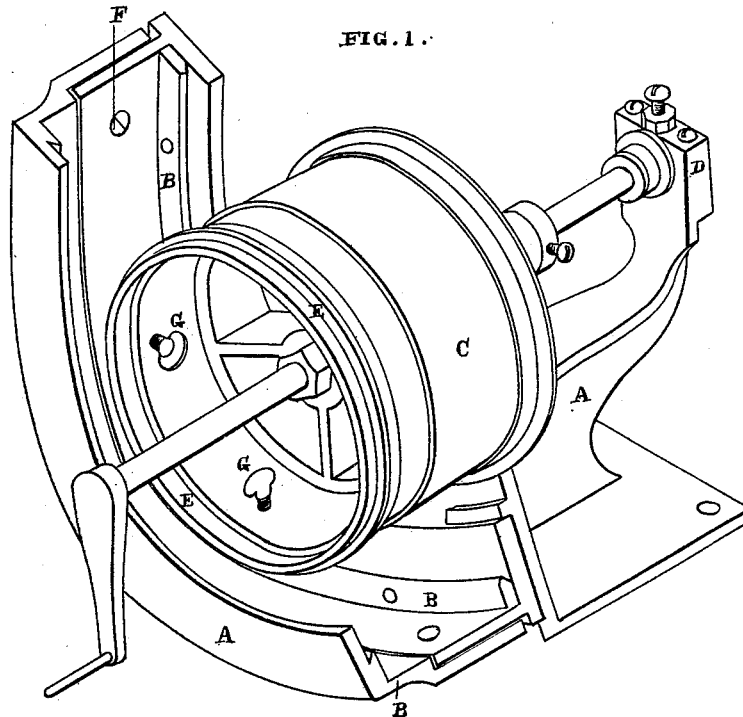


R. D. HUME.
Machine for Seaming Can.

No. 220,289.

Patented Oct. 7, 1879.



Geo. H. Strong.
Frank W. Brooks

Robert D. Hume
By Duvey & Co. typ

UNITED STATES PATENT OFFICE.

ROBERT D. HUME, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN MACHINES FOR SEAMING CANS.

Specification forming part of Letters Patent No. **220,289**, dated October 7, 1879; application filed April 2, 1879.

To all whom it may concern:

Be it known that I, ROBERT D. HUME, of the city and county of San Francisco, and State of California, have invented an Improvement in Preparing Cans for Soldering; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings.

My invention relates to certain improvements in machines for the construction of the containing-cans for hermetically-sealed goods; and it consists in making the crimping-machine adjustable to crimp cans of varying sizes.

Figure 1 is a view of my apparatus. Fig. 2 is a section, showing the adjustable flanges and rims.

In the said drawings, A is a frame, which is secured to any suitable table or base. This frame is preferably made in a curved form, and is shown in the present case in the form of a segment of a cylinder having the interior arc of a length equal to the circumference of the cans which are to be closed in it. At each end of this frame is a flange, B, of the same curve as the frame, and having the inner edges beveled, as shown. The ends of the frame are adjusted at such a distance apart as to receive a can between them, and the ends of the can are bent over, so that their narrow rims rest upon the beveled flanges B. The flanges B may be adjusted to or from each other, so as to fit any length of can which it is desired to close by any suitable means.

A cylinder, C, is supported upon journals D, so that its axis is in the center of the arc formed by the frame A, and the periphery E of this cylinder is at such a distance from the

flanges B as to just admit the diameter of the can between them.

It will be seen that when the cylinder is rotated by any suitable power, and the cans are fed into the opening between the cylinder and the flanges on the frame, they will be carried through the space and rotated by the friction, so as to make one complete revolution. This causes a pressure upon the top and bottom rims, which crimps them upon the can, so that they are tight and ready for soldering.

The flanges B are made adjustable to or from each other, so as to receive a longer or shorter can, and the rims E of the cylinder are also made adjustable for the same purpose.

The frame A, from which the flanges B project, is formed in two parts, as shown, and the outer one is slotted, so that it may be moved out or in, and secured at any point by a clamping-screw, F. The rim E of the cylinder is formed with interior screw-threads, and may be turned out or in upon the body of the cylinder to correspond with the adjustment of the flanges. The set-screws G hold this rim at any point of its adjustment.

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

The frame A, with its adjustable ends and flanges B, in combination with the cylinder C, with its adjustable rims, whereby the apparatus may be fitted to cans of different lengths, substantially as herein described.

ROBERT DENISTON HUME.

Witnesses:

GEO. H. STRONG,
FRANK A. BROOKS.