

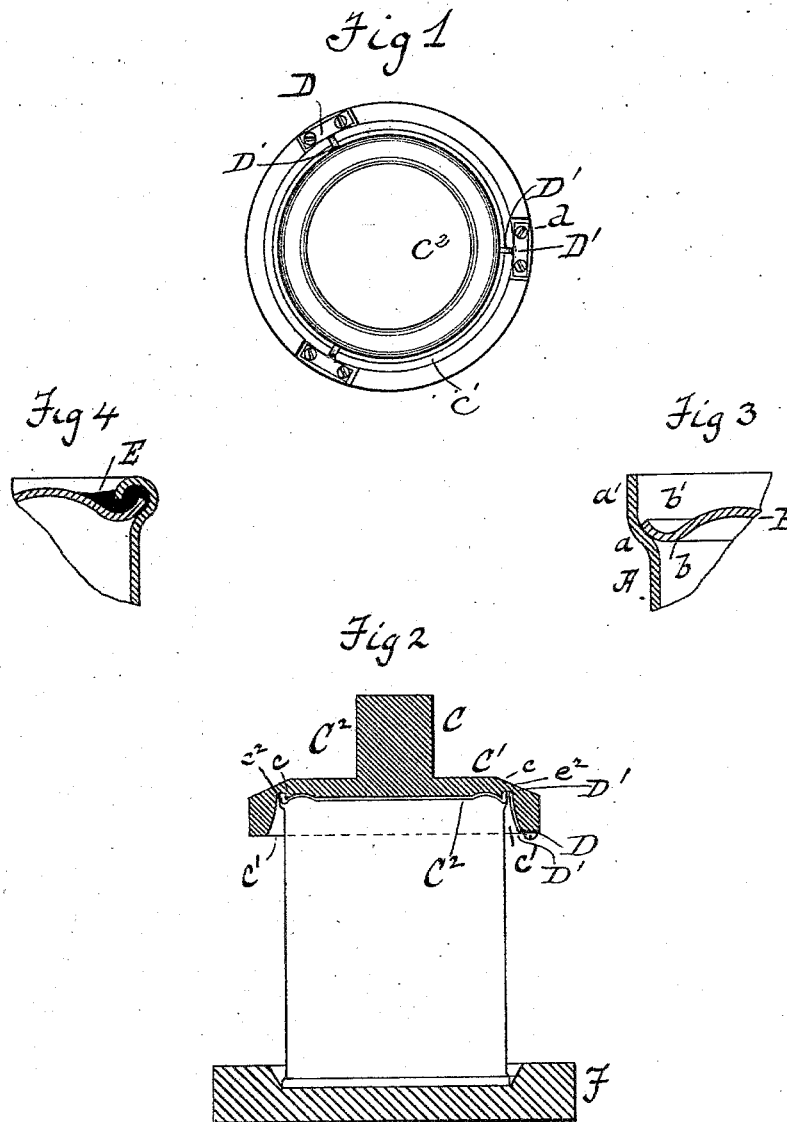
(No Model.)

W. H. H. STEVENSON.

DEVICE FOR ADJUSTING THE HEADS AND BODIES OF CANS.

No. 301,769.

Patented July 8, 1884.



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per

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WILLIAM H. H. STEVENSON, OF BALTIMORE, MARYLAND.

DEVICE FOR ADJUSTING THE HEADS AND BODIES OF CANS.

SPECIFICATION forming part of Letters Patent No. 301,769, dated July 8, 1884.

Application filed December 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. H. STEVENSON, of Baltimore city, Maryland, have invented certain new and useful Improvements in Devices for Adjusting the Heads and Bodies of Cans, of which the following is a specification, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a bottom plan view of my improved device. Fig. 2 is a vertical section through my improved device in position on a can, showing also a section of the can and the base-die. Fig. 3 is a sectional fragmentary view of part of a head and body of a can in the position in which my device leaves them, and Fig. 4 is a similar fragmentary section showing the finished seam.

Like letters of reference mark similar parts in all the figures.

My invention relates to the manufacture of cans in which to pack fruits, fish, vegetables, &c., and has for its object to facilitate the manufacture of that class of cans in which the head is within the body.

To this end it consists in the construction, arrangement, and combination of parts hereinafter fully described, and then specifically pointed out in the claim.

Referring to the drawings by letter, A is the body of a can, which in forming is made with an outward bend or shoulder at *a*, and an outer enlarged end portion, *a'*. B is the head, which is formed with a turned-up edge, *b'*, joining the main portion of the head at *b*. This can is fully described and claimed in my Patent No. 262,143, dated August 1, 1882, and is soldered and finished to show as seen in Fig. 4, E representing the solder.

My present invention is the device C, which is intended to place the parts in the position shown in Fig. 3. The device C is provided with an enlarged circular head, *C'*, the general contour of its under side being cup-shaped.

The inner portion, *C''*, bounded by a circle reaching to the points *c*, is of any desired contour conforming to the configuration of the can-head, and is projected outward, leaving a groove, *c''*, in the face of the die. The outer sides of the groove are continued outward and form inner inclined walls, *c'*, of the cup. The face *C''* is slightly less in diameter than the head of the can, which causes the edge of the head to project into or partially across the groove *c''*.

D are springs, of which there may be any desired number, which are secured on the face of the cup *C''* by any suitable means, as by screws *d*, and each of which springs is provided with a tongue or blade, *D'*, projecting into the groove *c''*.

When the body and head of the can have been formed to the shape shown in Fig. 3, the head is placed in the device, and is clasped by the tongues *D'* of the springs D. The head is then brought down on the body of the can, which has already been seamed or joined, and is standing in the base-die F, when the outer enlarged end, *a'*, of the body will enter the groove *c''* between the edge of the head and the tongues or blades *D'*. The device is now lifted off, and leaves the parts in the position shown in Fig. 3, ready to have the seam completed, as seen in Fig. 4, by any suitable means.

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

The die herein described, having cup-shaped head, the interior consisting of face *C''*, groove *c''*, and inclined walls, *c'*, in combination with springs D, attached thereto, and projecting into the groove *c''*, as set forth.

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