

No. 709,426.

Patented Sept. 16, 1902.

F. TYSON.  
SHEET METAL CAN.  
(Application filed Mar. 19, 1902.)

(No Model.)

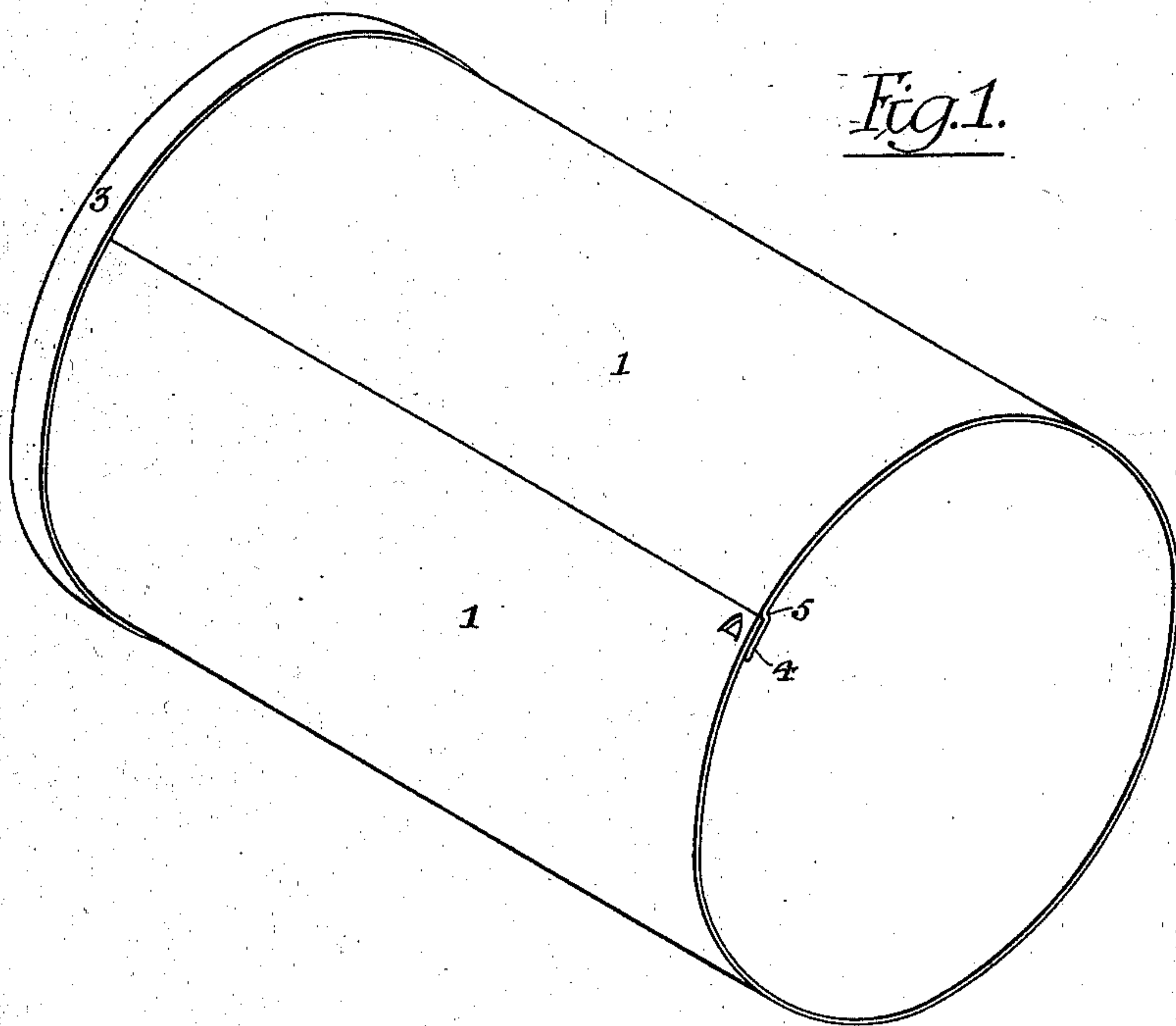


Fig. 1.

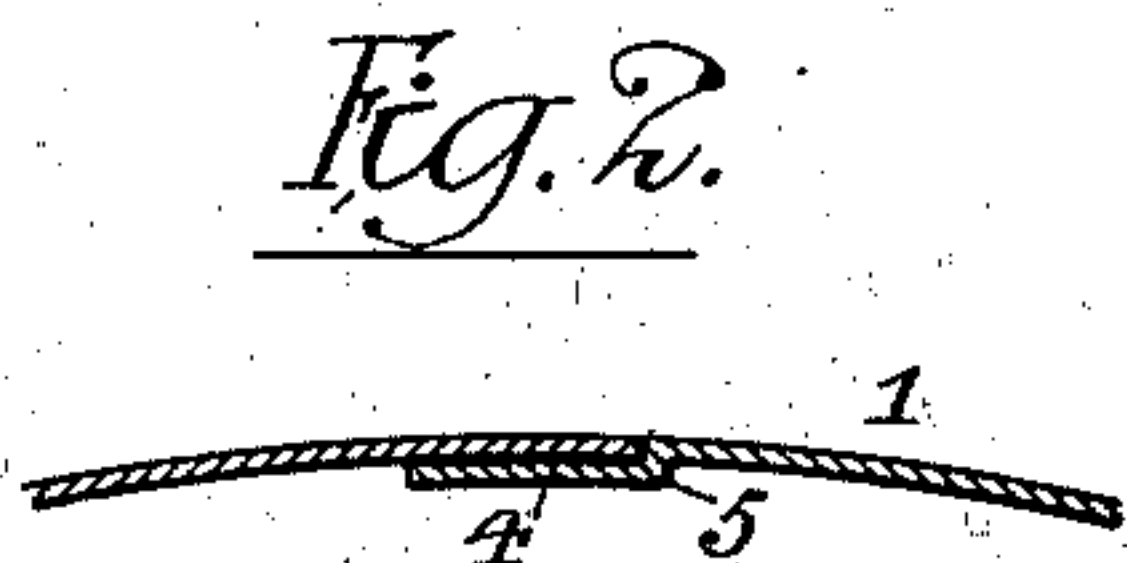


Fig. 2.

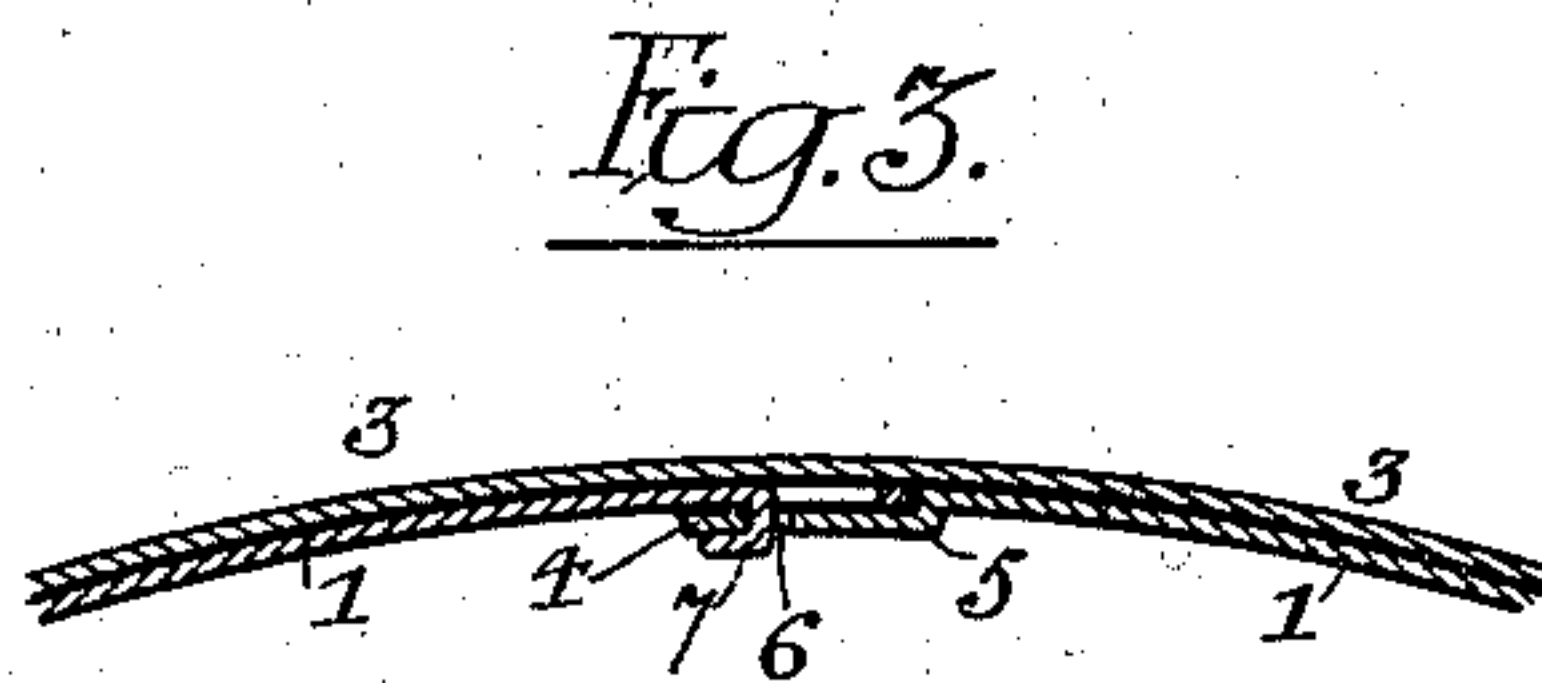


Fig. 3.

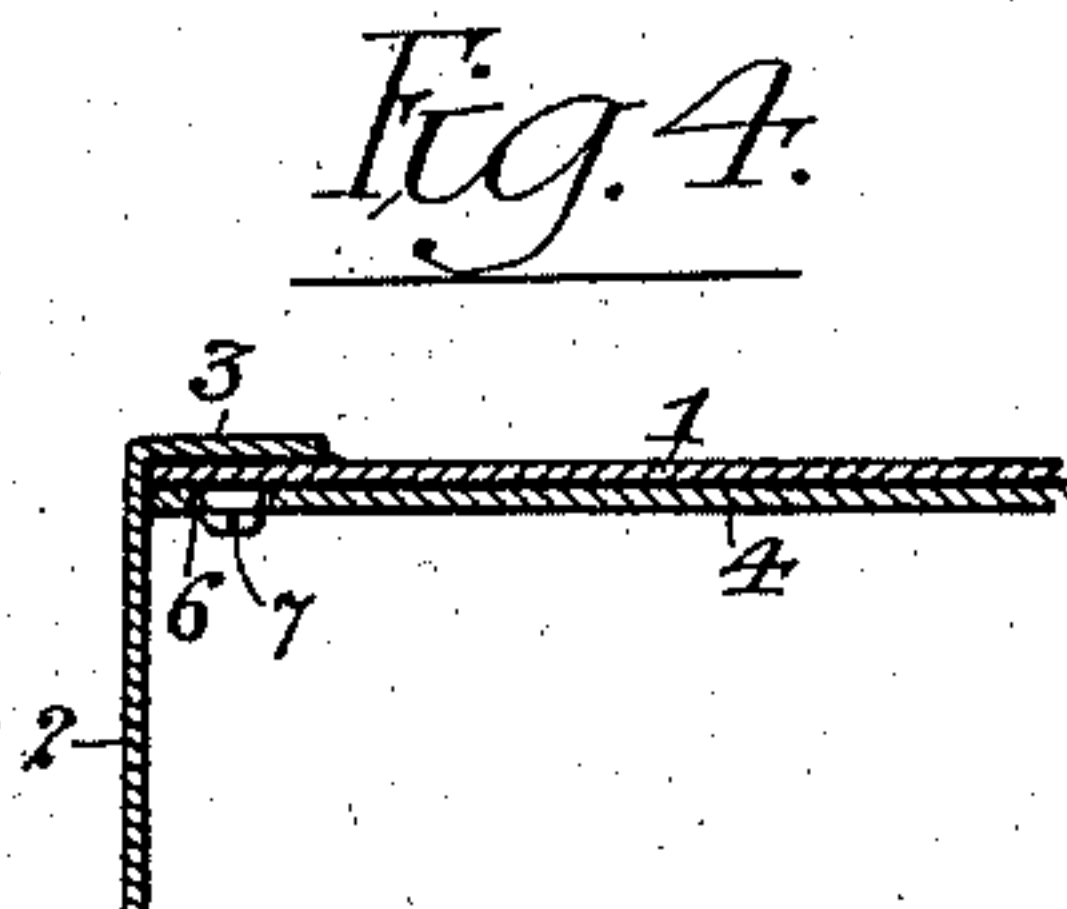


Fig. 4.

Witnesses:-

J. E. Beckhold

John W. Lohrhead

Inventor:-

Frank Tyson

by his Attorneys:-

Howson & Howson



# UNITED STATES PATENT OFFICE.

FRANK TYSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO GEORGE H. COLKET, OF PHILADELPHIA, PENNSYLVANIA.

## SHEET-METAL CAN.

SPECIFICATION forming part of Letters Patent No. 709,426, dated September 16, 1902.

Application filed March 19, 1902. Serial No. 99,006. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK TYSON, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Sheet-Metal Cans, of which the following is a specification.

One object of my invention is to provide a seam for the body of the can which will not form an excrescence upon or a groove in the exterior of the same, and hence will not interfere with the practical continuity of said exterior surface, a further object being to provide the can with means for holding the meeting portions of the body-strip in proper position during the soldering operation, which means will be covered by the flanges of the heads when the can is completed.

In the accompanying drawings, Figure 1 is a perspective view of a sheet-metal can constructed in accordance with my invention, but with one of the heads removed therefrom. Fig. 2 is an enlarged transverse section of the seamed portion of the body of the can. Fig. 3 is an enlarged transverse section of that portion of the seamed body which is beneath the flange of the can-head, and Fig. 4 is an enlarged longitudinal section of this portion of the body of the can.

1 represents a strip of sheet metal bent into cylindrical form for the production of the body of the can, and 2 represents part of one of the heads of the can, this head having a flange 3, which overlaps one end of the cylindrical body, as shown in Figs. 1 and 4. The meeting portions of the strip 1, which constitute the body of the can, are united by a flush-joint lap-seam, formed by depressing one edge of the strip to the extent of the thickness of the metal composing said strip, so as to form a shelf or seat 4 for the reception of the other end of the strip, whose edge abuts against the shoulder 5, formed by depressing the strip, as clearly shown in Fig. 2. At each end of the can the shelf 4 has formed in it a slot 6, and the overlapping portion of the strip has formed in it angular incisions for producing a triangular spur or tongue 7, which can be passed through the slot 6 in the shelf 4 and then bent under said shelf, so as to firmly retain the edge of the strip in its

proper relation to the shoulder 5 during the operation of soldering together the ends of the strip to form the cylindrical body of the can, the solder not only uniting the overlapping end of the strip to the shelf 4, but also uniting the edge of said overlapping portion of the strip to the shoulder 5, as shown in Fig. 2. By this means a firm union of the overlapping ends of the strip constituting the can-body is effected, and the external surface of said can-body presents a smooth and continuous surface at the seam—that is to say, a surface which does not present either a projection or a groove indicating the presence of the seam.

The slots 6 and engaging tongues 7 are formed so closely to the ends of the can-body that when the heads of the can are applied to said body the flanges of said heads will overlap the openings formed by the bending in of the locking-fingers 7, and thereby prevent leakage at those points and also prevent said locking devices from detracting from the neat external appearance of the can.

If desired, the tongue 7 may be simply passed through the slot 6 without being subsequently bent down in the inner side of the shelf 4; but such bending insures a more secure confinement of the overlapping portions of the can-body and is therefore preferred.

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

A sheet-metal can having a body consisting of a strip of metal bent into cylindrical form and having an overlapping flush joint, and heads having flanges which overlap the body at each end, the overlapping portion of the body-strip having tongue-and-slot connections which are entirely within the limits of the flanges of the heads, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANK TYSON.

Witnesses:

F. E. BECHTOLD,  
JOS. H. KLEIN.