No. 843,798. PATENTED FEB. 12, 1907.

J. DISTER.

SHEET METAL SLIP COVER CAN FOR LARD AND OTHER MATERIALS.

APPLICATION FILED NOV. 9, 1905.

Fig. 1

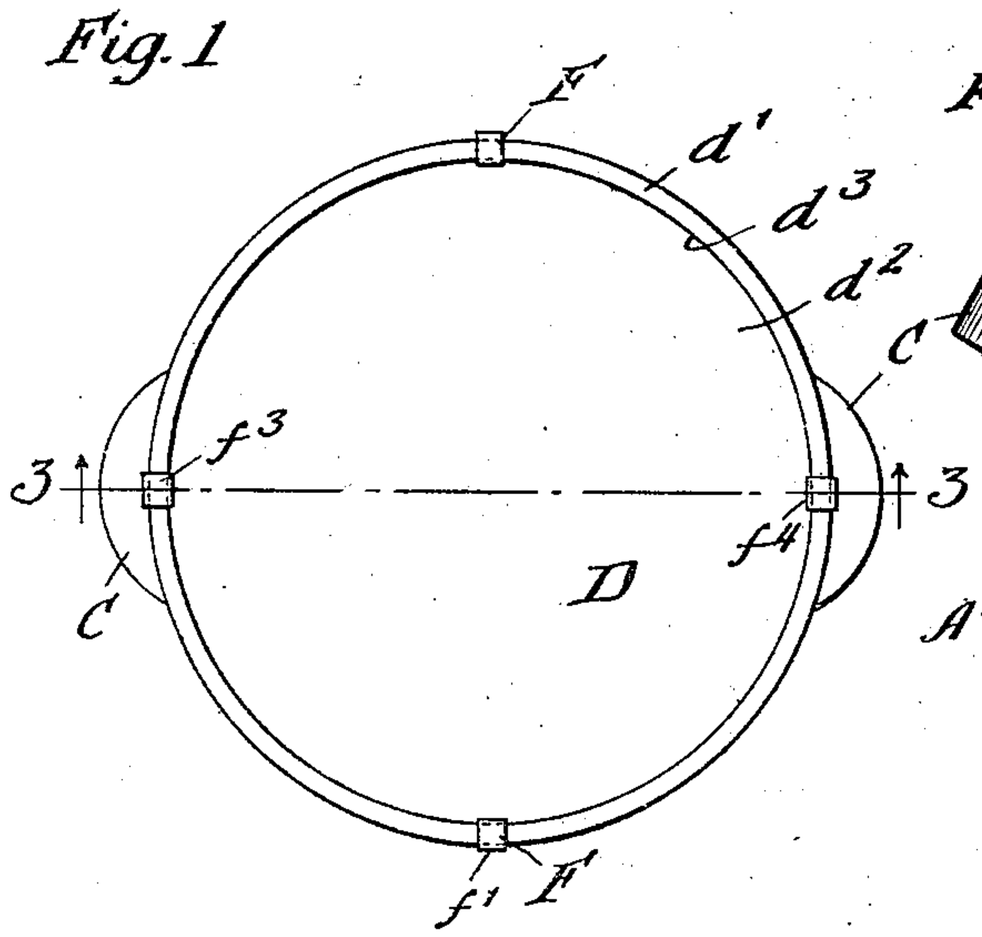

Fig. 2

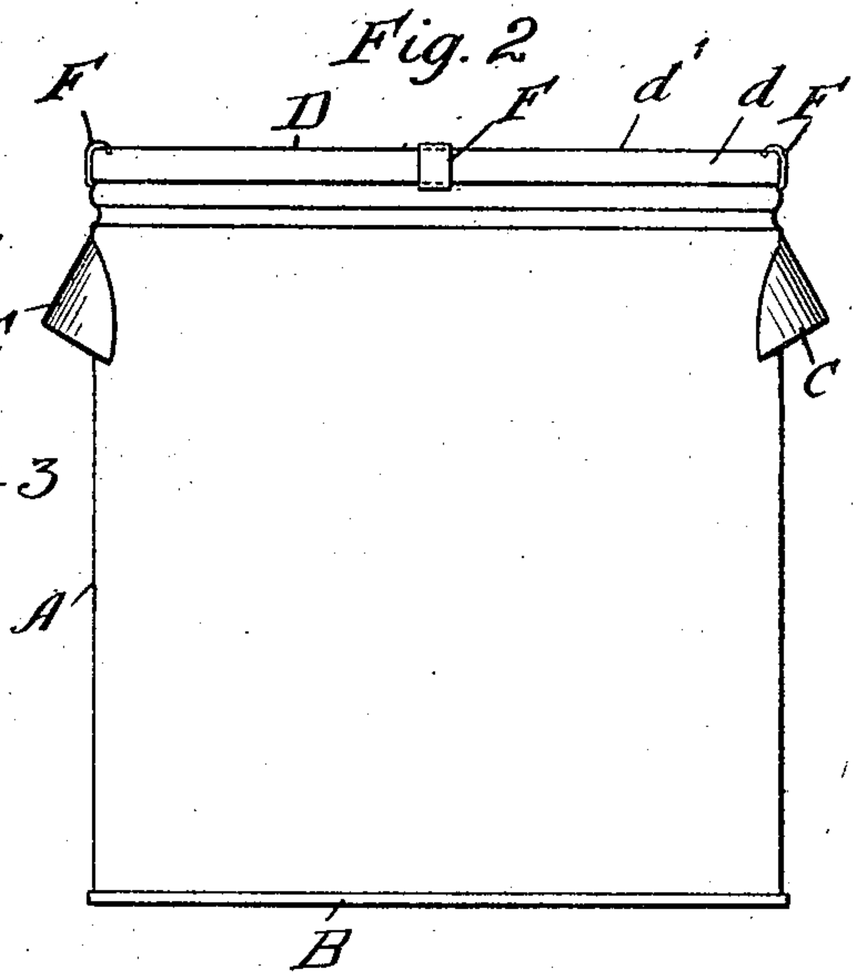

Fig. 3

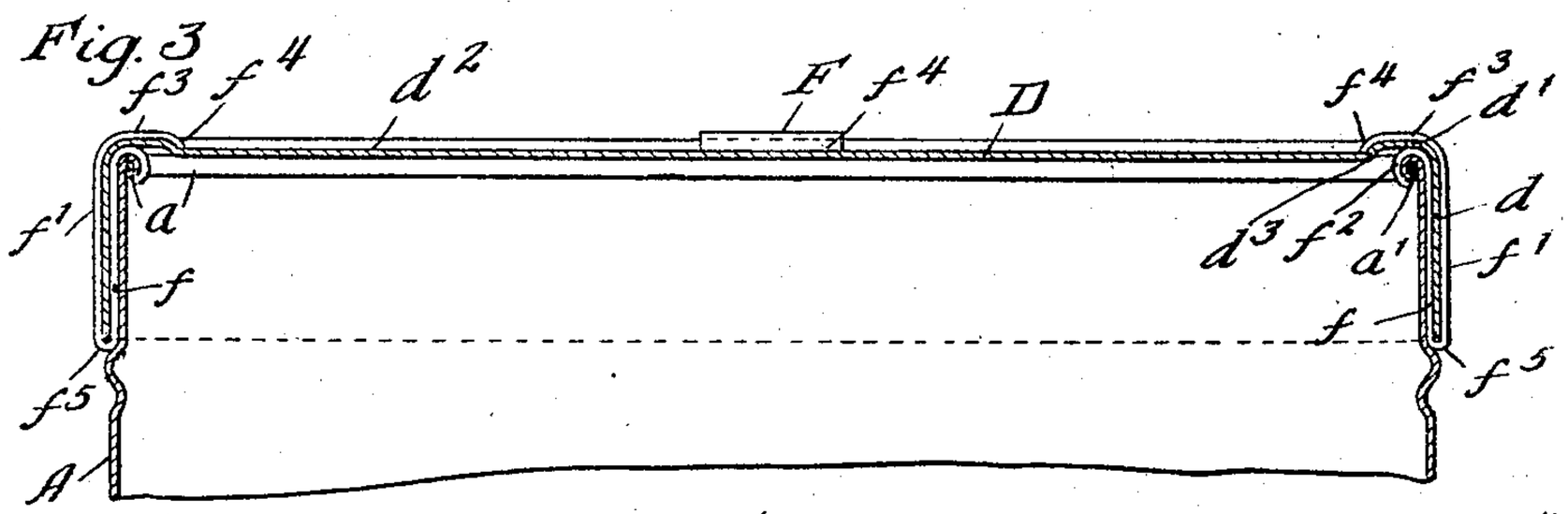

Fig. 4

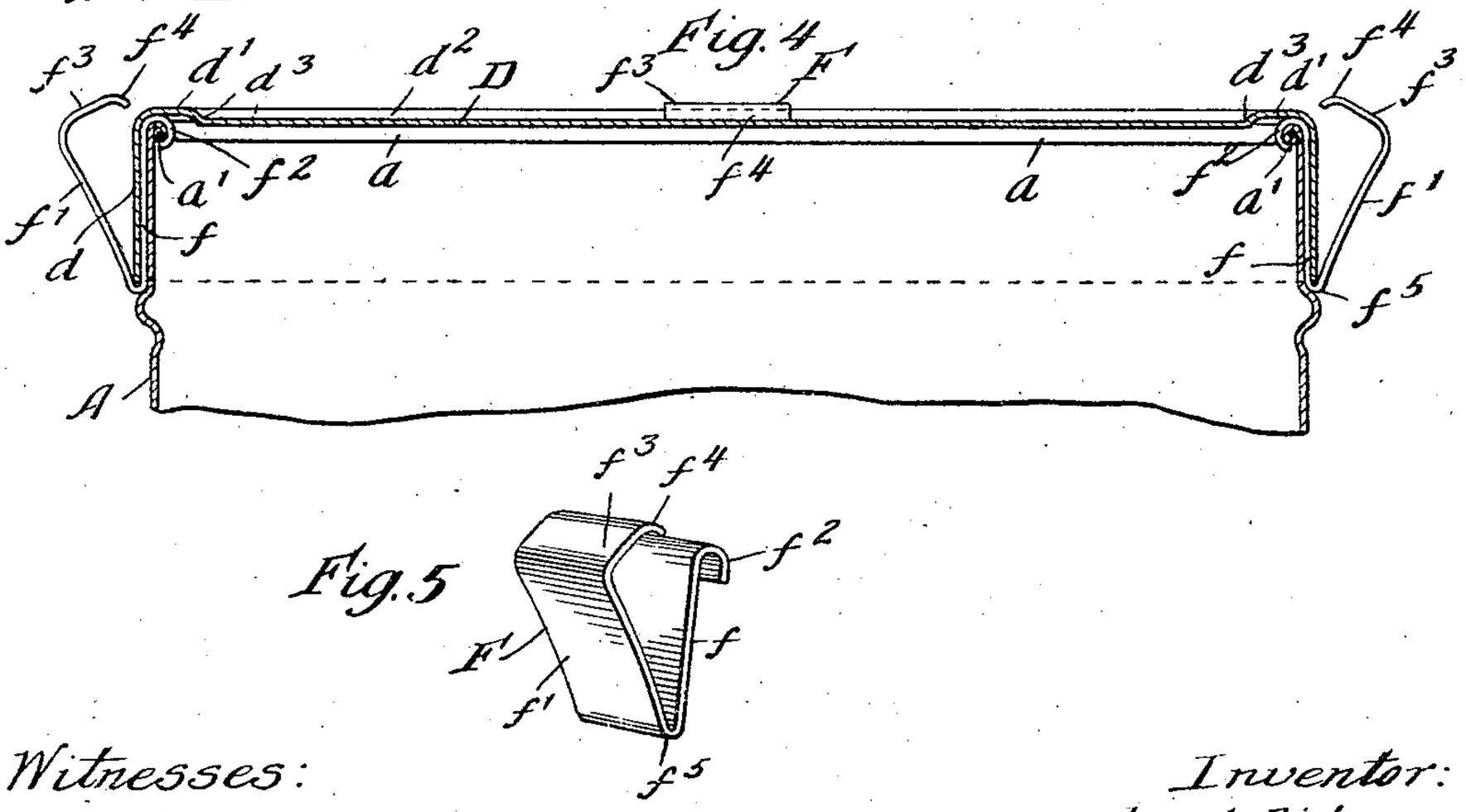

Fig. 5

Witnesses:

Wm. Geiger

H. M. Munday.

Inventor:

Joseph Dister

By Munday, Evarts & Adcock.

Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH DISTER, OF HAMILTON, OHIO, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

SHEET-METAL SLIP-COVER CAN FOR LARD AND OTHER MATERIALS.

No. 843,798. Specification of Letters Patent. Patented Feb. 12, 1907.

Application filed November 9, 1905. Serial No. 286,504.

To all whom it may concern:

Be it known that I, JOSEPH DISTER, a citizen of the United States, residing in Hamilton, in the county of Butler and State of Ohio, have invented a new and useful Improvement in Sheet-Metal Slip-Cover Cans for Lard and other Articles, of which the following is a specification.

My invention relates to improvements in slip-cover sheet-metal cans of large size, such as are commonly employed for holding and shipping lard and other articles, one customary size of such cans being about twelve inches in diameter by about twelve to fifteen inches in height.

Owing to the large size of the cans and to the fact that for economy and other reasons they are necessarily constructed of light thin sheet metal, (tin-plate,) considerable difficulty is experienced in their practical use in keeping the cans in shape during handling and shipment and when filled with lard or other comparatively heavy materials, as any displacement of the slip-cover leaves the upper end of the tall large-diameter can-body unsupported or braced against collapse when the can is lifted by its side handles, as the slip-cover gives little support to the upper end of the can-body unless it is held very firmly seated thereon, so that its surrounding dependent flange will engage at its extreme upper portion or base the upper end of the can-body, and heretofore great difficulty has also been experienced in keeping the slip-covers on the cans at all, so as to protect the contents from molestation and dirt during handling and shipment.

The object of my invention is to provide an improved construction of such cans whereby the difficulties heretofore experienced may be practically overcome or avoided without materially increasing the cost of manufacture or interfering with the convenient use of the cans for both packer and consumer or the stacking of the cans one on top of another in shipment or storage.

My invention consists in the means I employ, and herein shown and described, for practically accomplishing this result—that is to say, it consists in combination with the tall large-diameter sheet-metal can-body provided with an annular roll or shoulder at its upper end and preferably inside the can-body and a slip-cover having the customary deep depending flange telescoping over and surrounding the upper end of the can-body, of slip-cover holders having an inner member provided with a lip embracing the annular roll or shoulder at the upper end of the can-body, and an outer member provided with a hook or flange adapted to fit over and engage an annular peripheral raised rim or shoulder with which the cover is provided at the top portion thereof, the inner and outer members of the holder thus fitting astride the flange of the cover and the inner one engaging the can-body and the outer one the cover, and the outer member being of a spring or resilient nature to adapt it to snap over and be removed from the raised annular peripheral rim of the cover.

My invention also consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described.

In the accompanying drawings, forming a part of this specification, Figure 1 is a plan view of a lard-can embodying my invention. Fig. 2 is a side elevation. Fig. 3 is a central vertical section on line 3 3 of Fig. 1. Fig. 4 is a similar section showing the slip-cover holder with its outer member sprung outward in position for removing or applying the cover to the can; and Fig. 5 is a perspective view of my sheet-metal slip-cover holder.

In the drawings, A represents the cylindrical body of a sheet-metal lard or other can, the same being preferably about twelve inches in diameter by twelve to fifteen inches in length or height. B is the bottom head, C the side handles, and D the cover.

The body A has at its upper end an annular roll or shoulder *a*, the same being preferably on the inside of the body. The roller or shoulder *a* may embrace a wire *a'*, if desired.

The cover D has the customary deep slip-cover flange *d*, and it is also furnished with an annular peripheral raised rim, bead, or shoulder *d'*, surrounding an annular channel or groove d^2. The inner shoulder d^3 of the raised rim *d'* is preferably somewhat sharp or approximating a right angle.

F is my sheet-metal slip-cover holder, the same being made of sheet metal, preferably of heavy tin-plate and from one-half to three-fourths of an inch in width. The holder F comprises two members *f* and *f'*, which fit astride the flange *d* of the cover D.

The inner member f, which fits between the upper portion of the can-body and the flange d of the cover, is provided at its upper end with a curved lip or flange f^2, which is applied to and bent around the annular shoulder a at the upper end of the can-body, thus securely fixing the holder on the can-body. The outer member f' of the holder has at its upper end a flange or hook f^3, adapted to fit over and engage the annular raised rim or bead d' at the periphery of the cover D. The hook or flange f^3 is also preferably provided with a depending flange f^4, which snaps over and engages the inner flange or shoulder d^2 of the raised rim or bead d', and thus securely locks the spring-holder F on the cover. The outer member f' of the spring-holder F is adapted to be bent or sprung outward to permit the cover to be removed, and this member also on being sprung or pushed inward thus also by its spring action enables the depending flange f^3 to snap over the raised rim or bead d' on the top of the cover at the periphery thereof. The sheet-metal holder F has a bead or fold f^5 uniting its two upright legs or members $f\,f'$. In practice I prefer to apply two or more of the holders F to the can body and cover. Two is ample to secure the cover firmly in place, although three or four or more may be used if desired.

By this means slip-covers may be secured on lard-cans or other cans of large size very securely and conveniently and without materially adding to the cost of the cans, as my slip-cover holders may be manufactured very cheaply.

I claim—

1. In a lard or other sheet-metal can of large size, the combination with the can-body provided at its upper end with an annular rim or shoulder on the inside thereof, of a slip-cover therefor having a depending flange and provided with a raised rim or bead on its top at the periphery thereof, of a plurality of sheet-metal slip-cover holders, having inner and outer members fitting astride the flange of the cover, said inner member being provided with a flange engaging and secured to an annular shoulder on the can-body, and said outer member thereof having a hook or flange engaging said rim or head on the top of the cover, substantially as specified.

2. In a lard or other sheet-metal can of large diameter, the combination with the can-body provided at its upper end with an annular rim or shoulder on the inside thereof, of a slip-cover therefor having a depending flange and provided with a raised rim or bead on its top at the periphery thereof, of a plurality of sheet-metal slip-cover holders, having inner and outer members fitting astride the flange of the cover, said inner member being provided with a flange engaging and secured to an annular shoulder on the can-body, and said outer member thereof having a hook or flange engaging said rim or bead on the top of the cover, said hook or flange on said outer member having a terminal depending flange, substantially as specified.

3. The combination with a can-body and flanged cover, of a holder having two members fitting astride the flange of the cover, the inner member having a flange engaging and secured to the can-body, and the outer member having a flange engaging the rim of the cover, substantially as specified.

4. The combination with a can-body having a shoulder at its upper end, of a cover having a raised rim or bead, and a holder having two members fitting astride the flange of the cover, the inner member having a flange embracing said shoulder on the can-body and the outer member having a hook or flange engaging the rim of the cover, substantially as specified.

5. The combination with a can-body having a shoulder at its upper end, of a cover having a raised rim or bead, and a holder having two members fitting astride the flange of the cover, the inner member having a flange embracing said shoulder on the can-body and the outer member having a hook or flange engaging the rim of the cover, said hook or flange on said outer member being provided with a depending terminal flange, substantially as specified.

6. A sheet-metal slip-cover holder for cans, comprising two members adapted to fit astride the flange of the cover, one provided with means for engaging the can-body and the other provided with means for engaging the cover, said cover-engaging member being resilient or bendable to permit engagement and disengagement of the cover, substantially as specified.

7. A sheet-metal spring-acting holder for covers for cans, consisting of a piece of sheet metal F having a fold f^5 thereon forming two members f and f', adapted to fit astride the flange of the can-cover, said member f having an inwardly-extending curved flange f^2 at its upper end, and said member f' having an inwardly-extending flange f^3 furnished with a depending flange f^4 at its extremity, substantially as specified.

JOSEPH DISTER.

Witnesses:
H. M. MUNDAY,
WILLIAM A. GEIGER.