No. 695,656. Patented Mar. 18, 1902.

W. H. SMALLEY.

FASTENING DEVICE FOR CAN COVERS.

(Application filed June 1, 1901.)

(No Model.)

Fig. 1.

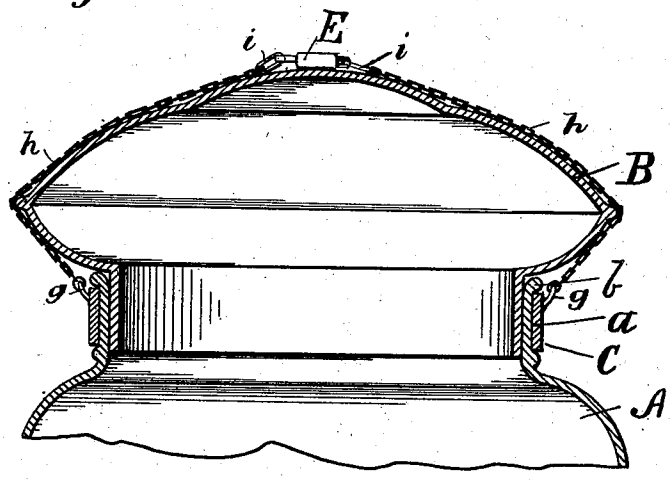
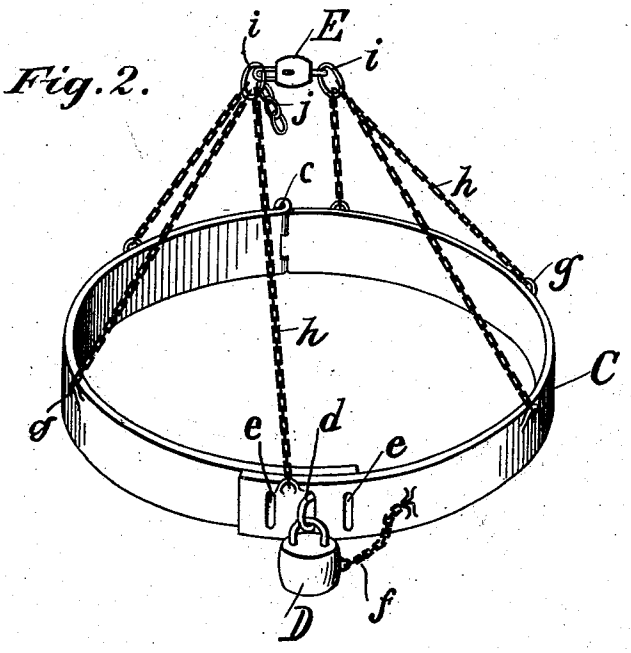


Fig. 2.



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FASTENING DEVICE FOR CAN-COVERS.

SPECIFICATION forming part of Letters Patent No. 695,656, dated March 18, 1902.

Application filed June 1, 1901. Serial No. 62,741. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. SMALLEY, a citizen of the United States of America, residing at Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Fastening Devices for Can-Covers, of which the following is a specification.

My invention has reference to improvements in fastening devices for can-covers, particularly for cans such as are used for shipping milk and having for their objects, firstly, to hold the cover to the can during transportation, and, secondly, to prevent the can-cover from being removed by any person other than the consumer.

The objects of my present invention are, firstly, to provide an adjustable fastening device for the can-cover adapted for all sizes of cans, and, secondly, to provide means whereby the consumer can remove the can-cover but not the fastening device from the can, while the shipper or producer can remove the fastening device from the can, so that it will not prove an obstacle during the cleaning and filling of the can.

By the fastening device hereinafter described I prevent the loss of the fastening device, while at the same time it can be removed by the shipper or producer, so as not to interfere with the processes of cleaning and filling of the cans, and can be applied to cans of different capacity.

With these objects in view my invention consists, firstly, in a fastening device for can-covers comprising a collar adapted to encompass the neck of the can, means for locking said collar in position, a second locking means adapted to be located above the can-cover, and connections between the collar and said second locking means, and, secondly, in a fastening device for can-covers comprising a collar formed in two hinged sections adapted to encompass the neck of the can and said sections being provided at their respective ends with a plurality of devices adapted to interlock at different points for rendering the collar adjustable, combined with means passing over and encompassing the can-cover and attached to said collar.

The nature of my invention will best be understood when described in connection with the accompanying drawings, in which—

Figure 1 represents a vertical section of a can provided with my improved fastening device for the cover, part of the can being broken away. Fig. 2 is a perspective view of the fastening device.

Similar letters of reference designate corresponding parts throughout the several views of the drawings.

Referring to the drawings, the letter A designates the body of a milk-can of a usual construction, having a neck *a*, provided with a circumferential bead *b*.

B is the cover fitted to the interior of the neck and closing against the bead *b*. Heretofore clasps having means for securing the cover to the can have been encompassed about the neck of the can and secured by locks; but this construction frequently involves the loss of the collar and its means for securing the cover to the can when the fastening device is removed by the consumer for the purpose of permitting the removal of the cover.

According to my invention I provide a collar C, preferably made of sheet metal and in two sections united by a hinge *c* of a usual construction, which said collar is adapted to encompass the neck *a* of the can. The sections of the collar are provided at their respective ends with a plurality of interlocking devices for rendering said collar adjustable. These interlocking devices may consist of a staple *d*, attached to the end of one of the sections, and a series of sockets *e*, formed in the end of the other section, so that this collar can be attached to the necks of cans of different capacity. The collar is attached to the neck of the can by means of a lock D of any usual construction or pattern, which said lock I prefer also to attach to the collar by means of a chain *f*, so as to prevent its loss or removal from the collar. The collar C is provided with a series of eyes *g* or other attaching devices adapted for connection with a series of chains *h* or other flexible connections adapted to extend over and encompass the cover B of the can and to hold the same to the body of the said can. The free ends of these flexible con-

nections *h* are adapted to be attached to a second locking means, as E, the same consisting of an ordinary lock adapted to be opened by a key different from that opening the lock D.

In practice I divide the flexible connections into two groups, each united by a ring *i*, to which rings the lock E is attached. Since the size and shape of can-covers vary, I provide means for compensating for this variation, so as to insure the perfect closure of the can. In the present example I have shown one of the rings *i* provided with a series of chain-links *j*, into which the hasp of the lock E may be passed in case of larger sizes of cans.

It will be readily understood from the foregoing description that if the consumers are provided with keys adapted to operate only the lock E, connecting the upper portions of the chains, the fastening device cannot become lost, while the producer, having the keys for the locks D, can remove the entire fastening device, so that the cans can be cleaned and filled without being encumbered by dangling parts.

It is to be distinctly understood that I do not wish to confine myself to the specific means for rendering the collar C adjustable or the capacity of the flexible connections *h* adjustable, as it is evident that other means may be employed for the same purposes.

What I claim as new is—

1. A fastening device for can-covers comprising a collar adapted to encompass the neck of the can, a lock in connection with said collar for securing the same to the neck of the can, a second lock located above the can-cover, and connections between the collar and said second lock—the said two locks being adapted to be operated by distinct keys, substantially as and for the purpose specified.

2. A fastening device for can-covers comprising an adjustable collar adapted to encompass the neck of the can, a lock in connection with said collar for securing the same to the neck of the can, a second lock located above the can-cover, and flexible adjustable connections between the collar and said second lock—the said two locks being adapted to be operated by distinct keys, substantially as and for the purpose specified.

3. A fastening device for can-covers comprising a collar having hinged sections adapted to encompass the neck of the can and provided at their respective ends with a plurality of interlocking devices for rendering the collar adjustable combined with means passing over and encompassing the can-cover and attached to said collar, and a lock for securing said means above the can-cover, substantially as described.

4. A fastening device for can-covers comprising a collar adapted to encompass the neck of the can and provided with a lock for securing the same to the neck of the can, means secured to and extending upwardly from said collar for the purpose of encompassing the can-cover, and a second lock engaging with said connections for securing the same above the can-cover, substantially as and for the purpose specified.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WILLIAM H. SMALLEY.

Witnesses:
EUGENIE P. HENDRICKSON,
A. FABER DU FAUR, Jr.