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PATENTED JUNE 18, 1907.

E. J. WESTON, JR.
KNOB ATTACHMENT FOR COVERS.
APPLICATION FILED JUNE 13, 1906.

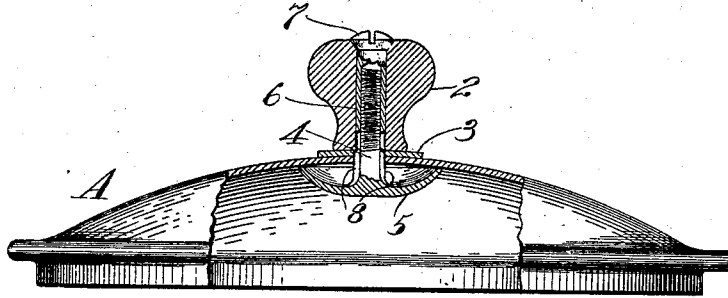


Fig. 1.

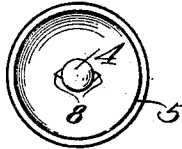


Fig. 2.

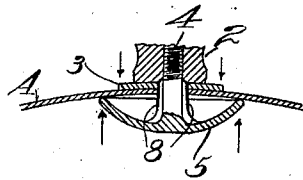


Fig. 3.

WITNESSES:

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KNOB ATTACHMENT FOR COVERS.

No. 857,428.

Specification of Letters Patent.

Patented June 18, 1907.

Application filed June 13, 1906. Serial No. 321,464.

To all whom it may concern:

Be it known that I, EDWIN J. WESTON, JR., a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented new and useful Improvements in Knob Attachments for Covers, of which the following is a specification.

My invention relates to a means for conveniently attaching knobs to covers, such as are employed upon culinary vessels, and for like purposes.

It consists in the combination of parts and of details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a side elevation in partial section of the cover showing my invention. Fig. 2 is an interior view of the interior cap-piece. Fig. 3 is a sectional view illustrating the lines of compression.

Covers of the class herein, are usually provided with knobs or handles which are secured by a screw-bolt extending through the cover and having a nut upon the inner end. These nuts projecting into the interior form a rough surface not easy to keep clean, and with a great tendency to rust. In my invention I have provided an improved means for securing these parts in such a manner that an elastic tension is brought upon the cover which acts to automatically maintain the parts in their locked position.

As shown in the drawing A is a cover such as may be used upon a teakettle or other culinary vessel, and 2 is the knob which is to be secured to the cover.

3 is a washer having a concavity which coincides with the convexity of the top of the cover A, and upon the central portion of which it rests. The hole through the cover and through this washer serves for the passage of the screw-threaded bolt 4; the lower end of which has a hollow concavo-convex cap or head 5. The convexity of this cap is presented inwardly and its edges rest against the interior of the cover A when the bolt 4 is pushed up through the opening in the cover.

The knob 2 has a lining sleeve 6 which is screw-threaded on the inside, and its upper end has a head 7 notched to receive a screw-driver by which it is turnable. The interior of this sleeve being threaded to fit the

threads of the bolt 4, it will be seen that by turning the sleeve downwardly it will draw the bolt upwardly at the same time that the extended head 7 forces the knob 2 downwardly.

The exterior periphery of the head or cap 5 is of greater diameter than that of the washer 3 which forms the support for the inner end of the knob 2. Therefore it will be seen, as shown in Fig. 3, that when the knob is drawn firmly down on the top of the cover, the pressure is brought upon the washer 3 and the upward pull upon the cap 5 which is of larger diameter than the washer 3; consequently there is a tendency to compress or flatten the portion of the top of the cover A, which lies within the periphery of the cap 5, and to thus form between the cap and the washer a certain amount of automatically elastic lock which extends to hold the parts in position.

The convex surface of the cap 5 being perfectly smooth and substantially fitting into the interior of the cover, makes it easy to keep clean and to form a tight joint to hold this cap and the screw-stem in place while the sleeve 6 is being turned.

I have shown projecting lugs or feathers 8 upon each side of the stem 4, contiguous to its conjunction with the interior of the cap 5; and these lugs or feathers press against and interlock with the interior of the cover and the washer so as to prevent the cap and bolt being turned when the threaded sleeve is screwed down upon the bolt.

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

1. A cover for a culinary vessel said cover comprising the cover portion proper and a knob therefor, a screw-threaded bolt, the lower end of which is provided with a head, said head being of concavo-convex form with its concavity presented upwardly whereby its marginal edge will contact with the under side of the cover, a sleeve contained within the knob, and having a threaded interior adapted to engage the threads of said bolt, said head having a diameter greater than that of the base of the knob whereby when the sleeve is turned, the portion of the cover which lies within the periphery of the head is compressed or flattened to form substantially an elastic lock.

2. A cover for a culinary vessel said cover

consisting of a cover portion proper, a knob, a washer beneath the knob, a screw-threaded bolt formed integral with a concavo-convex head whose concavity is presented upwardly
5 and whose peripheral edge bears upwardly against the under side of the cover, said bolt having guiding lugs at its junction with said head, an internally threaded sleeve contained within the knob and fitted to said
10 bolt, said sleeve having a head at the upper end provided with a slot for the engagement of a tool, and said concavo-convex head hav-

ing a diameter greater than that of the washer whereby the portion of the cover below the washer and contained within the 15 periphery of the head is compressed or flattened when the sleeve is turned.

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

EDWIN J. WESTON, JR.

Witnesses:

S. H. NOURSE,
C. H. HARVEY.