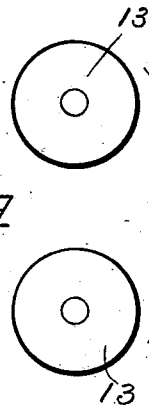
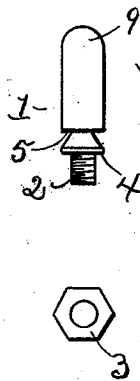
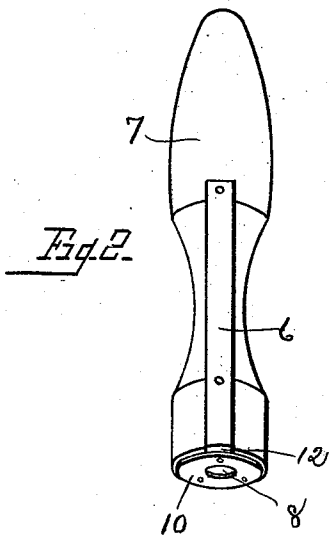
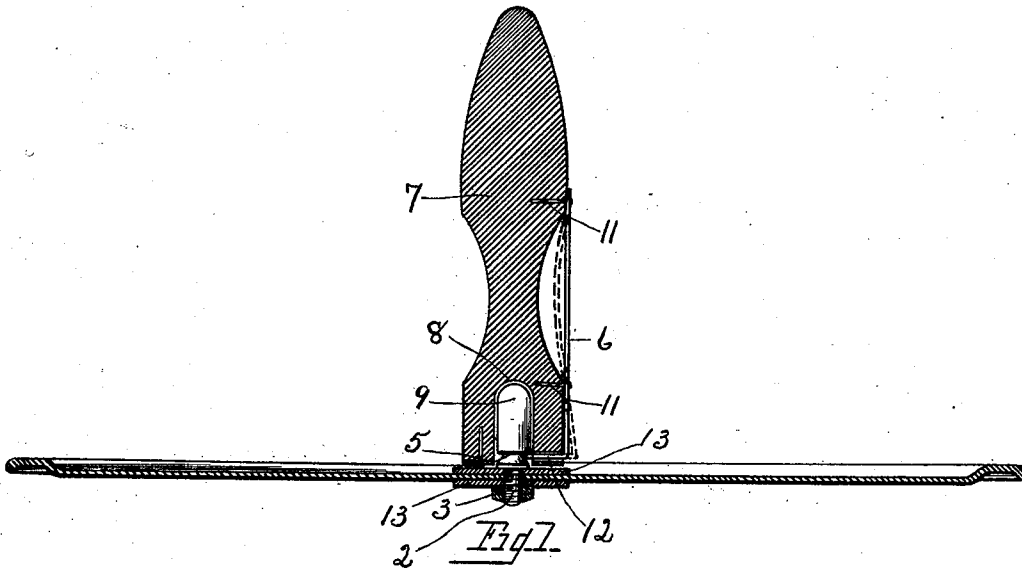


(No Model.)

J. J. VERNIER.
LIFTER FOR COVERS.

No. 537,089.

Patented Apr. 9, 1895.



WITNESSES

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UNITED STATES PATENT OFFICE.

JULIUS J. VERNIER, OF TOLEDO, OHIO.

LIFTER FOR COVERS.

SPECIFICATION forming part of Letters Patent No. 537,089, dated April 9, 1895.

Application filed June 26, 1894. Serial No. 515,747. (No model.)

To all whom it may concern:

Be it known that I, JULIUS J. VERNIER, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful improvements in Lifters for Covers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

My invention relates to a lifter for covers, and has for its object to provide an attachable post for the cover, and a detachable handle for the post, whereby the lifter may be attached to covers of present use, or embraced in the manufacture of covers.

In covers for pots, kettles, &c., there is provided a ring secured centrally of the cover, and which when vertical, allows of raising the cover either by inserting an object into the ring, or by grasping the ring. In either case the operation is attended with liability of burning the hand by contact with the hot surface of the cover.

It is the object of my invention to produce a cheap, and easily attached lifter, the handle of which shall be detachable, and consequently always cool, and that shall by its rigid connection with the cover prevent its swinging and consequent contact with the hand, as in the present character of attachment.

In the drawings: Figure 1 is a longitudinal vertical section of a cover, the post and fastenings, and a portion of the handle with the spring catch shown in full lines as closed, and in dotted lines as disengaged. Fig. 2 is a plan view of the handle showing the bottom plate and spring catch. Fig. 3 is a detail view of the post and nut. Fig. 4 is a plan view of the disks.

1 designates a post, formed with a shouldered reduced end 2, threaded and provided with a nut 3. Above the shoulder 4, of the reduced end the post is reduced conically, to form a shoulder 5, with which the spring catch 6 engages when the handle is attached to the post. Handle 7 is formed with a central perforation 8, of a depth to receive the projecting end 9 of the post, and there is pref-

erably a centrally perforated plate 10 secured upon the lower end through which the post also passes. Spring catch 6 is an ordinary plate of spring metal having two perforations through which screws or nails 11 are passed and driven into the handle to secure the spring thereto, with a right angled end 12, which passes into a groove in the bottom of the handle between plate 10 and the wood, coincident with the conical portion of the post, and normally engaging below shoulder 5. Between the nails or screws 11, the handle is reduced in diameter to allow flexure of the body portion of the spring which withdraws the catch from engagement with the shoulder 5, and the handle is free to be removed.

I have provided for attachment of the post to covers of present construction by the use of two circular disks 13, having each a central perforation to receive the end 2, of the post, and which are arranged one above and one below the cover as shown, whereby in the present make of covers the ring and fastenings may be removed, and the slot in the cover through which the fastening has been passed slightly enlarged circularly to receive the end 2 of the post, when the disks will cover the entire slot, and prevent steam from issuing therefrom to injure the hand.

In operation, the post is attached to the cover by forming an opening to receive the end 2, the upper disk is put upon the end 2 against shoulder 4, when the end 2 is passed through the cover and the lower disk is put upon the end 2, and nut 3 screwed tightly in place. The cover is raised by simply grasping the handle and causing the post to enter the perforation therein until the catch engages with the shoulder 5. The end of the post being rounded, guides the same into the orifice, and also moves the spring catch sufficiently to allow the post to pass into the orifice. In this position the cover or lid may be removed without discomfort to the hand, the handle being perfectly cool. To disengage the handle, the spring catch is withdrawn from engagement with shoulder 5, by pressing upon the spring and flexing the same into the reduced portion of the handle, as seen in dotted lines, Fig. 1.

In this construction there may be any number of lids or covers provided with the posts,

and one handle serves for all. I am therefore enabled to equip several covers at a minimum expense.

It will be apparent that if desired, I may
5 construct new covers with a post soldered or
riveted thereon, or secured in any desired
manner.

What I claim is—

In a lifter of the character described, the
10 cover provided with a projecting post having
a substantially reduced upper end, and an
annular shoulder, and a handle having a recess
to receive the post, a spring secured to

the handle having a right angled end normally extending into the recess and engaging 15
under the annular shoulder upon the post, and
means whereby when the upper portion of the
spring is pressed, the lower end is forced outward,
and disengages the shoulder.

In testimony that I claim the foregoing as 20
my own I hereby affix my signature in presence
of two witnesses.

JULIUS J. VERNIER.

Witnesses:

WILLIAM WEBSTER,
FLOYD R. WEBSTER.