

No. 828,003.

PATENTED AUG. 7, 1906.

G. WEBSTER.
COVER REMOVING MECHANISM.
APPLICATION FILED AUG. 15, 1905.

Fig. 1.

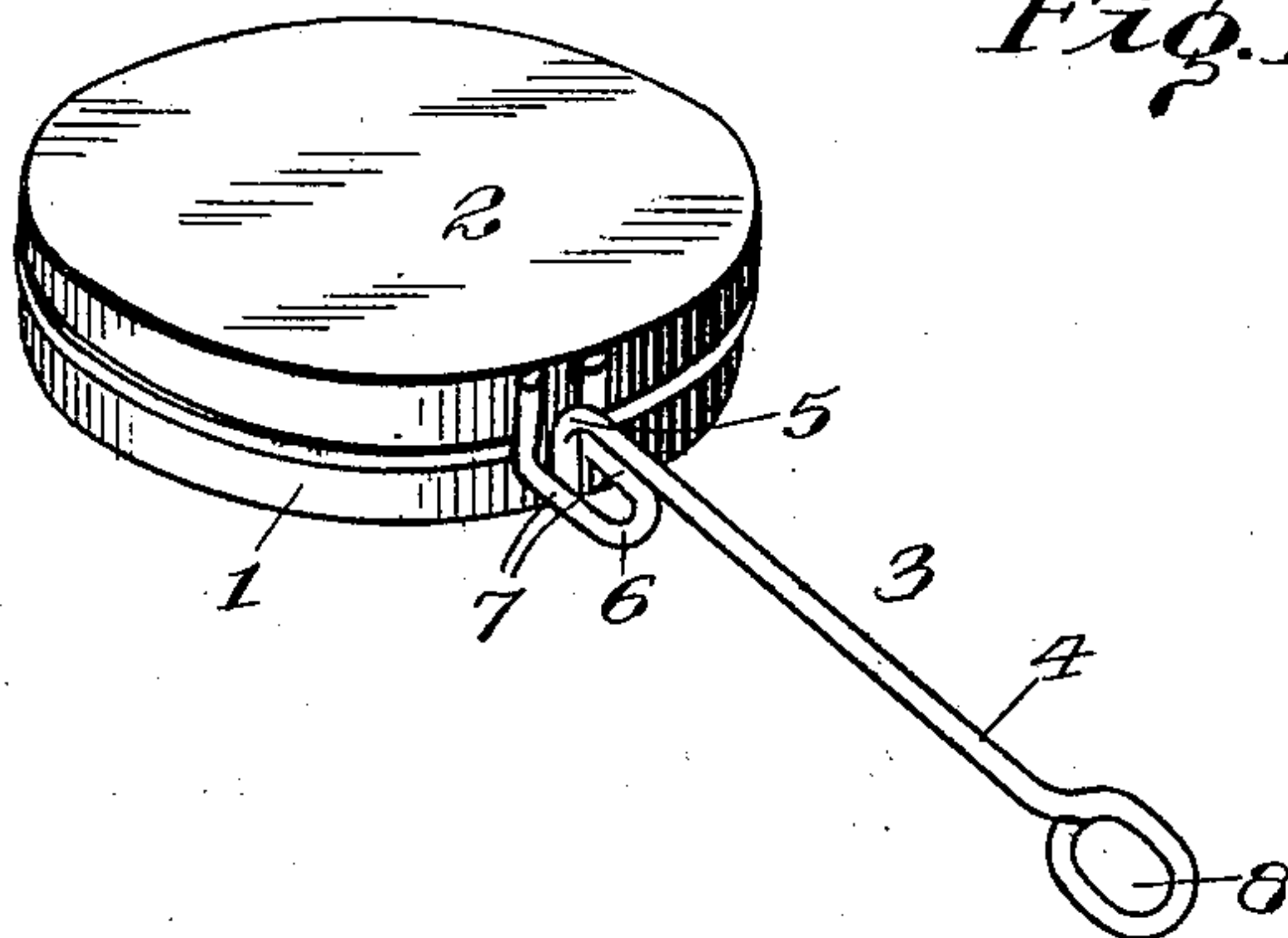


Fig. 2.

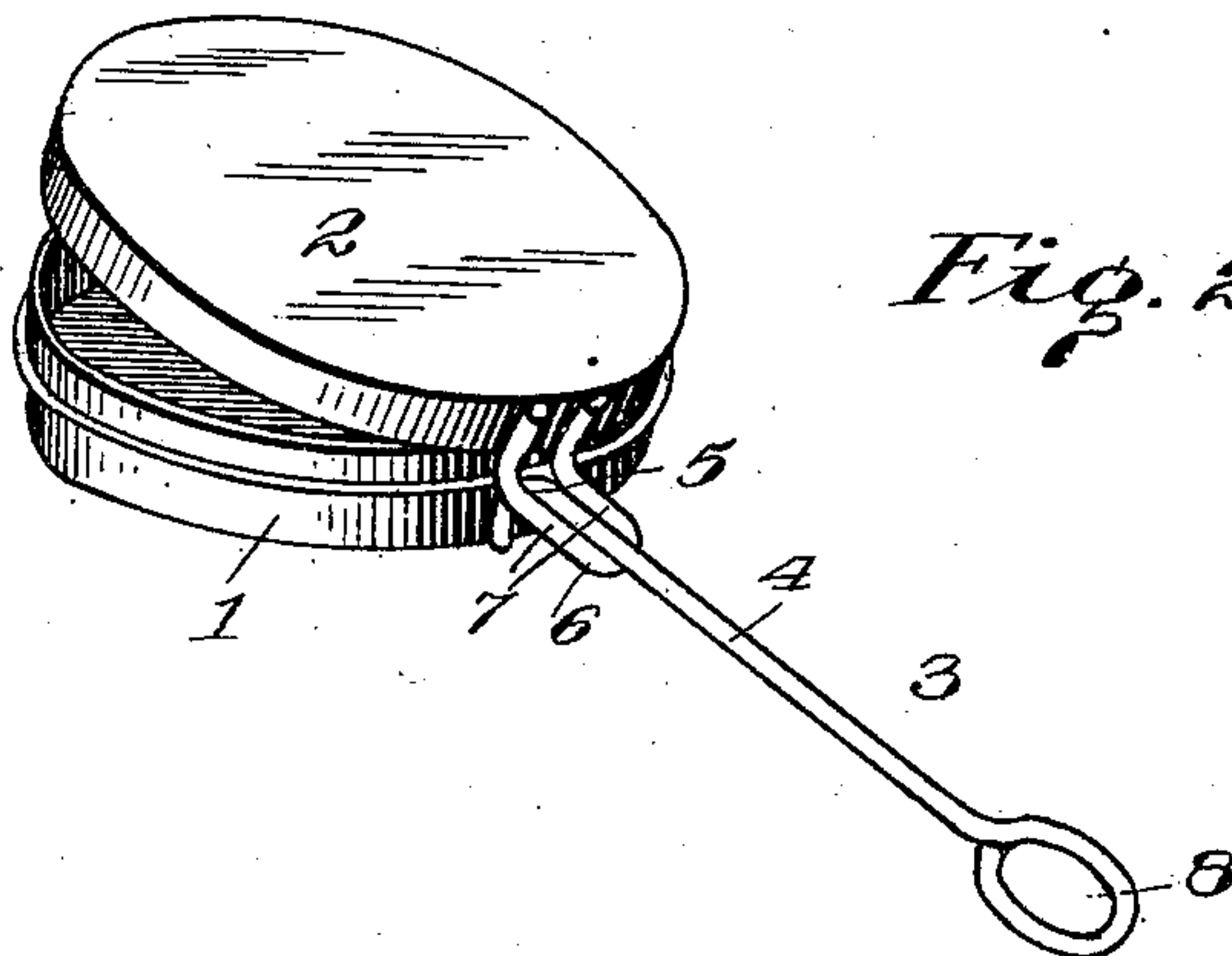
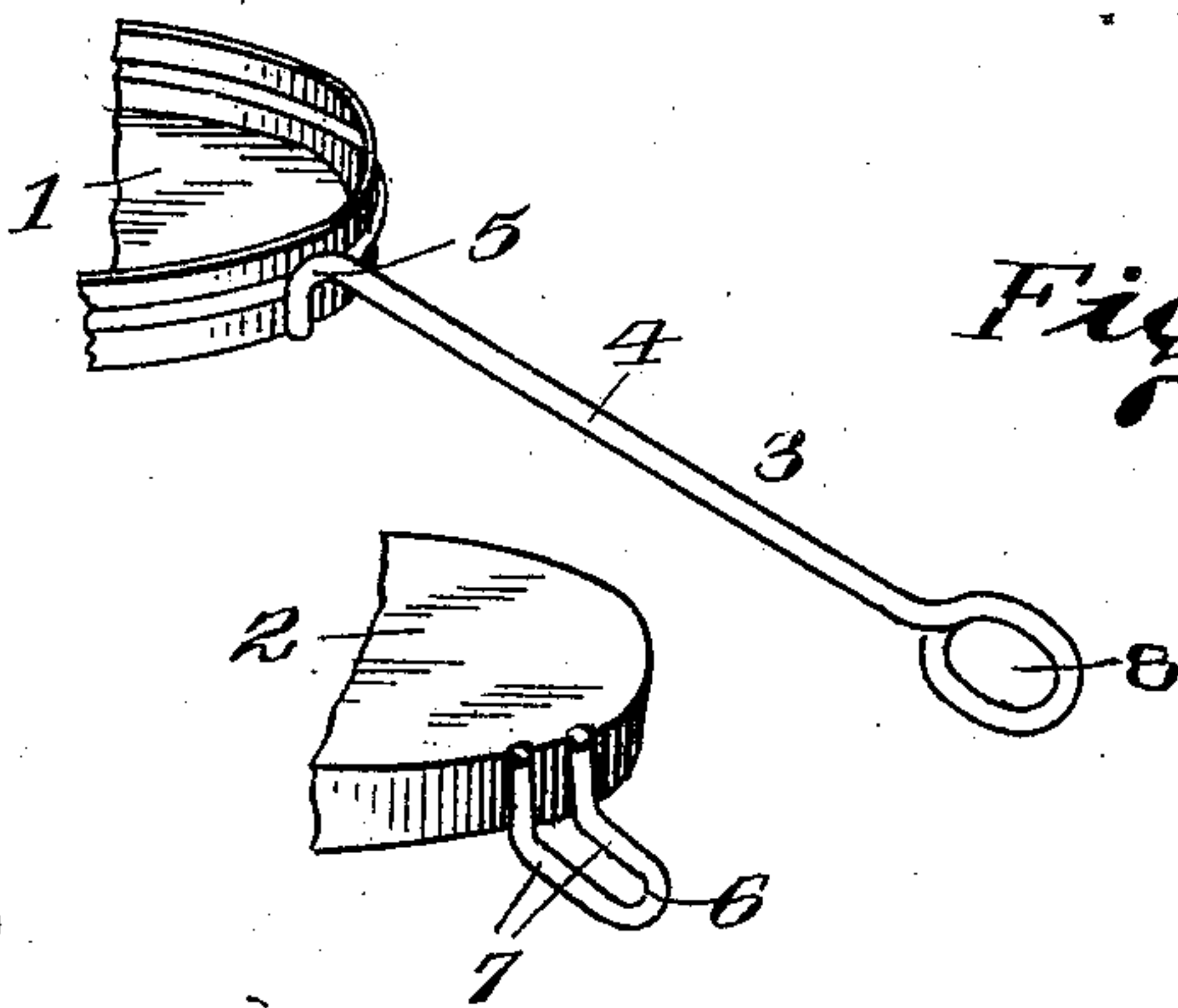


Fig. 3



Witnesses

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COVER-REMOVING MECHANISM.

No. 828,003.

Specification of Letters Patent.

Patented Aug 7, 1906.

Application filed August 15, 1905. Serial No. 274,308.

To all whom it may concern:

Be it known that I, GEORGE WEBSTER, a citizen of the United States, residing at Christiana, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Cover-Removing Mechanism, of which the following is a specification.

Much difficulty and annoyance are commonly experienced in removing the ordinary form of cover from metal boxes and cans, owing to the fact that they are extremely liable to stick and have no projections which enable the operator to obtain a secure hold thereon.

The object of this invention is to provide means whereby the cover can be quickly and conveniently removed without danger of soiling the fingers; and to this end the invention consists, essentially, of a stem projecting from the box and of a finger-piece projecting from the cover thereof, said stem and finger-piece forming pressure members which enable the two sections of the box to be instantly separated.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view of a blacking-box with my invention attached thereto and showing the cover in a closed position. Fig. 2 is a similar view showing the cover in an open position. Fig. 3 is a detail perspective view showing the box and cover as separated.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

This invention is shown as attached to a blacking-box of the usual construction and comprising a box portion 1 and a cover 2. A stem 3 projects from the box portion 1 and comprises a shank 4, having one end bent around at 5 and secured to the box by solder or other suitable means. An eye 6 projects from the cover 2 and is preferably formed by looping a piece of heavy wire upon itself and bending the spaced ends thereof around to form means whereby the eye can be secured to the cover. It will be observed that both the stem 3 and the eye 6 project outward in planes slightly above those of the mouth of

the members to which they are attached. Owing to this fact, it will be readily understood that when the stem and eye are pressed together the cover and box will be forced apart. When the parts are assembled, the eye 6 is slipped upon the stem 3 and the cover placed upon the box. In this position the stem 3 and the eye 6 are on opposite sides of each other with relation to the members of the box to which they are attached, so that by pressing same together the cover and box will be forced apart. Attention is also called to the fact that when the cover is in position upon the box the bent portion 5, by which the stem 3 is secured in position, fits between the spaced ends 7 of the eye 6, said spaced ends forming a guideway or groove within which the bent portion of the stem operates. The free end of the stem 3 is provided with an enlarged portion or eye 8, which keeps the eye 6 from sliding off of the stem 3, and thereby prevents any danger of losing the cover.

When it is desired to remove the cover from position upon the box, the handle or stem 3 is grasped in the hand and a pressure exerted upon the eye 6, which forms a suitable finger-piece. After the cover has been opened the eye 6 engages with the stem 3 and can be slipped to any desired position thereon in order to get the cover out of the way.

This device is one that can be readily attached to any of the ordinary forms of metallic boxes at a very small cost, owing to the fact that it can be manufactured entirely of wire, and which will obviate the difficulty arising in removing the covers of same.

Having thus described the invention, what is claimed as new is—

1. In combination with a box or like receptacle and its cover, a stem projected from the box, and a finger-piece extended from the cover and having sliding connection with said stem to admit of the cover moving out of the way without becoming misplaced, both the stem and finger-piece constituting pressure members to admit of instant removal of the cover from the box.

2. In combination with a box or like receptacle and its cover, a stem projected from one of the members, and a finger-piece extended from the opposite member, said finger-piece having a loop or eye which embraces the stem and is adapted to slide longitudinally along the same, both the stem and

finger-piece forming pressure members to admit of instant removal of the cover from the box.

3. In combination with a box or like receptacle and its cover, a stem projected from one of the members, and a finger-piece extended from the opposite member, said stem and finger-piece having a sliding connection with each other to admit of the cover moving out of the way without becoming misplaced, and said members also being located upon opposite sides of each other with respect to the members of the box to which they are attached and forming pressure members to admit of the instant removal of the cover from the box.

4. In combination with a box or like receptacle and its cover, a stem projected from one of the members of the box and having one of its ends bent to form a securing means therefor, and a finger-piece extended from the opposite member of the box and secured thereto by means of two spaced arms which form a guideway within which the portion of the stem adjacent the box is adapted to slide.

5. In combination with a box or like receptacle and its cover, a stem projected from one of the members of the box and having one of its ends bent to form a securing means

therefor, and an eye extended from the opposite member of the box and having a sliding connection with the stem which permits the moving of the cover out of the way without displacing it, said eye being secured in position by means of two spaced arms which form a guideway within which the portion of the stem adjacent the box is adapted to slide.

6. In combination with a box or like receptacle and its cover, a stem projected from one of the members of the box and having one of its ends bent to form a securing means therefor, and an eye extended from the opposite member of the box and having a sliding connection with the stem which permits the moving of the cover out of the way without displacing it, said eye comprising a strip of metal bent upon itself and formed with spaced arms by means of which it is secured in position and which provide a guideway within which the portion of the stem adjacent the box is adapted to slide.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE WEBSTER. [L. s.]

Witnesses:

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NORA H. HARRAR.