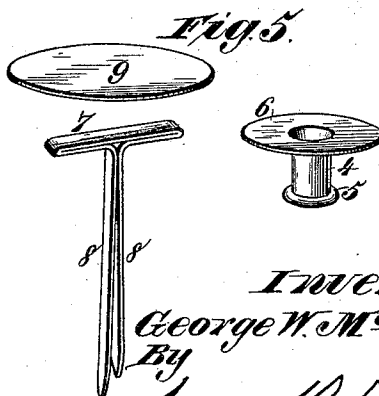
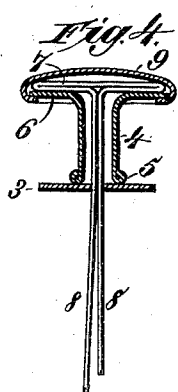
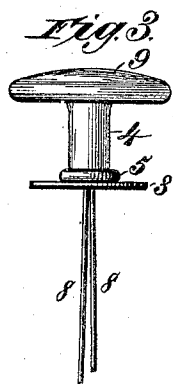
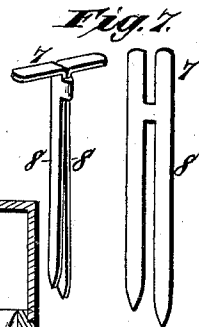
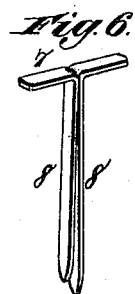
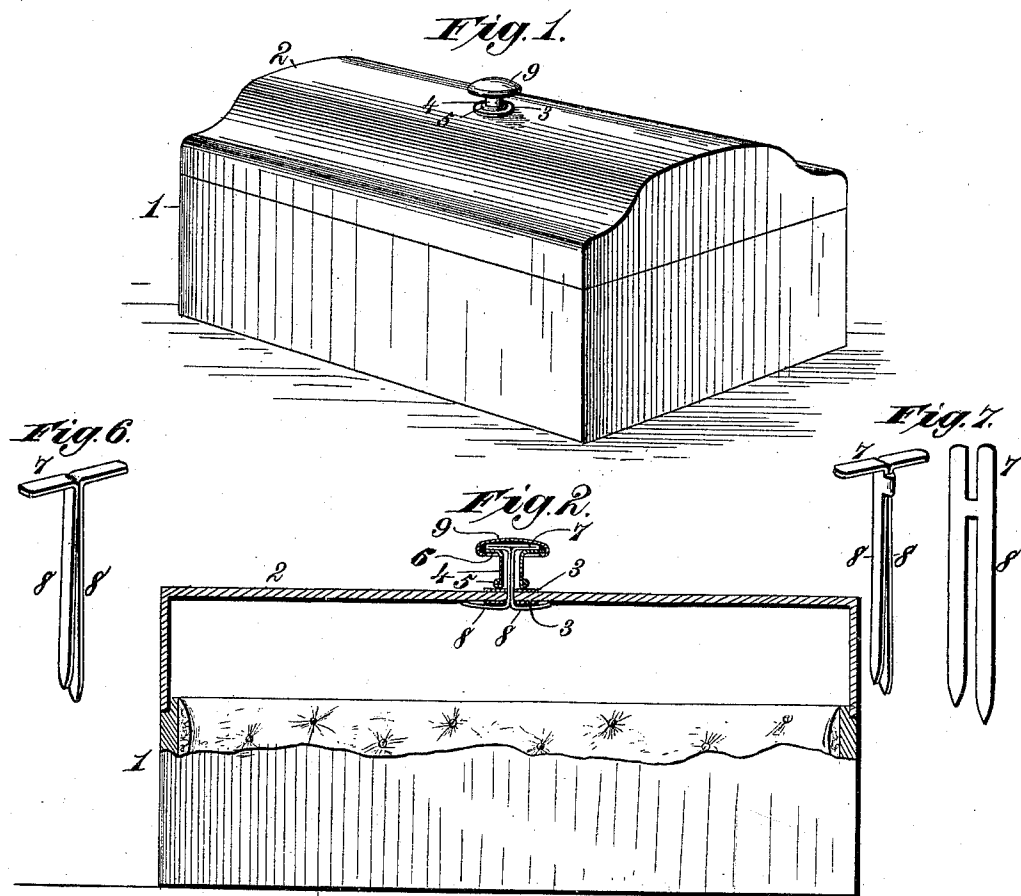


(No Model.)

G. W. McGILL.  
HANDLE FOR BOXES, &c.

No. 395,162.

Patented Dec. 25, 1888.



Witnesses:  
Robert E. Smith  
J. A. Rutherford

Inventor:  
George W. McGill.  
By  
James L. Norris.  
Atty.

# UNITED STATES PATENT OFFICE.

GEORGE W. MCGILL, OF NEW YORK, N. Y.

## HANDLE FOR BOXES, &c.

SPECIFICATION forming part of Letters Patent No. 395,162, dated December 25, 1888.

Application filed September 15, 1888. Serial No. 285,534. (No model.)

### *To all whom it may concern:*

Be it known that I, GEORGE W. MCGILL, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Knobs for Boxes and like Articles, of which the following is a specification.

This invention has for its object to provide a novel, simple, economical, and efficient knob or handle for the lids of paper or thin wood boxes or receptacles—such as puff-boxes, toilet-cases, and like articles—though it is useful for other purposes and can be attached and detached with ease and facility without the employment of special care or exercise of skill.

The object of my invention I accomplish by the features of construction and combination of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a perspective view of a box having my improved knob applied to the lid thereof; Fig. 2, a longitudinal central sectional view of the same; Fig. 3, a detail side elevation of the knob prepared for attachment to a box-lid or other article; Fig. 4, a central sectional view of the same; Fig. 5, detail perspective views of the parts of the knob separated. Figs. 6 and 7 show alternative constructions of the attaching part of the device.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, where—

The numeral 1 indicates a paper box having a lid, 2, provided on the inner and outer sides with washers 3, of metal or other sufficiently-rigid material, each having a central slot. A tube, 4, having a base, bead, or rim, 5, rests on the outside washer, and at its upper end is furnished with a laterally-projecting annular flange, 6. A duplex pronged head, 7, rests on the flanged upper end of the tube, and the prongs 8 are flat and close together and extend through the tube to a considerable distance below the lower end thereof, so that they can pass through the box-lid and the inner and outer washers, 3, and then be bent laterally and clinched upon the inner washer. The device, however, may be used

without the washers. An imperforate cap-plate, 9, is applied to the upper end of the tube by placing a metal disk thereupon, so as to cover and bear upon the head 7 of the prongs, and then spinning or closing the edge of such disk around and under the annular flange 6 of the tube, so as to rigidly connect and immovably fix and hold the pronged head in position in the tube, whereby the prongs cannot move lengthwise by reason of their heads abutting the cap-plate and the flanged end of the tube.

The prongs serve as the attaching device, and to construct the knob with considerable economy I preferably make the prongs and their head from a single strip of flexible metal folded into a head of two thicknesses and extended into the two prongs, which are flat and lie side by side, the whole constituting a T-shaped attaching-shank, the head whereof is clamped between the cap-plate and the flanged end of the tube, while the prongs pass through the tube and extend beyond the same to pass through an article—such as a box-lid—and be bent laterally in opposite directions and clinched, thus providing a rigid and stationary knob, which is handsome, attractive, and desirable, more especially for fancy boxes made of paper, thin wood, or other light and fragile material. The prongs, however, may be made of two separate pieces, each shaped like an L reversed, so as to give their head a single thickness, as is shown in Fig. 6, or of a single piece of metal cut in an H shape and folded so as to bring its lower prongs in close parallel contact and its upper prongs folded over at right angles, as shown in Fig. 7.

In Fig. 5 the parts are shown separated to more clearly exhibit their construction, and the cap-plate is substantially as it would appear previous to being spun into engagement with the flange of the tube.

The boxes may be made and provided with the knob and then placed on sale, or the knob can be manufactured and sold separately.

The device is obviously useful for various other purposes, and while I do not confine myself to any specific employment of the device, I regard it as providing a novel and useful knob or handle for boxes and like articles.

The extremities of the prongs may be pointed, and as the device is practically one

structure it can be applied to paper or other thin articles by pressing the knob, and thus forcing the prongs therethrough, after which the ends of the prongs are bent laterally and clinched. The surface of one prong at its point is made to extend beyond that of the other to facilitate their separation.

Having thus described my invention, what I claim is—

- 10 1. A knob for box-lids, consisting of a tube, a duplex pronged head resting upon one end of the tube and having the two prongs extending through and beyond the latter to pass through and be bent laterally and clinched  
15 upon the article, and a cap-plate rigidly secured over the pronged head to hold the latter in the tube, substantially as described.

2. A knob for boxes and similar articles, consisting of a length of tube having at one end a lateral annular flange, a duplex pronged head seated upon the flanged end of the tube, with the two prongs projecting through and beyond the latter to pass through the box and be bent laterally and clinched, and a fixed cap-plate extending over the pronged head and spun into engagement with the flange on the tube, substantially as described.

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

GEORGE W. MCGILL.

Witnesses:

THOS. L. SCOVILL,  
JOHN W. MCGILL.