(Model.)

P. HELMOND.

DEVICE FOR HOLDING BRUSHES, &c., AT ANGLES.

No. 452,375. Patented May 19, 1891.

Fig. 1.

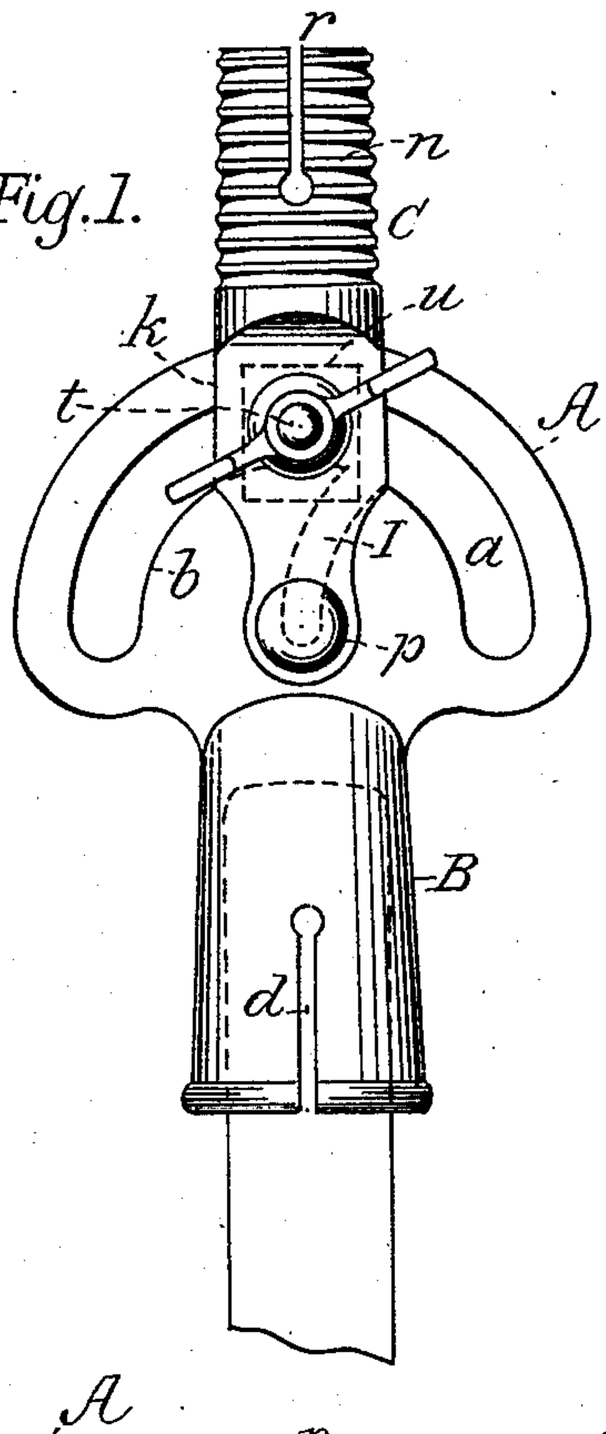


Fig. 2.

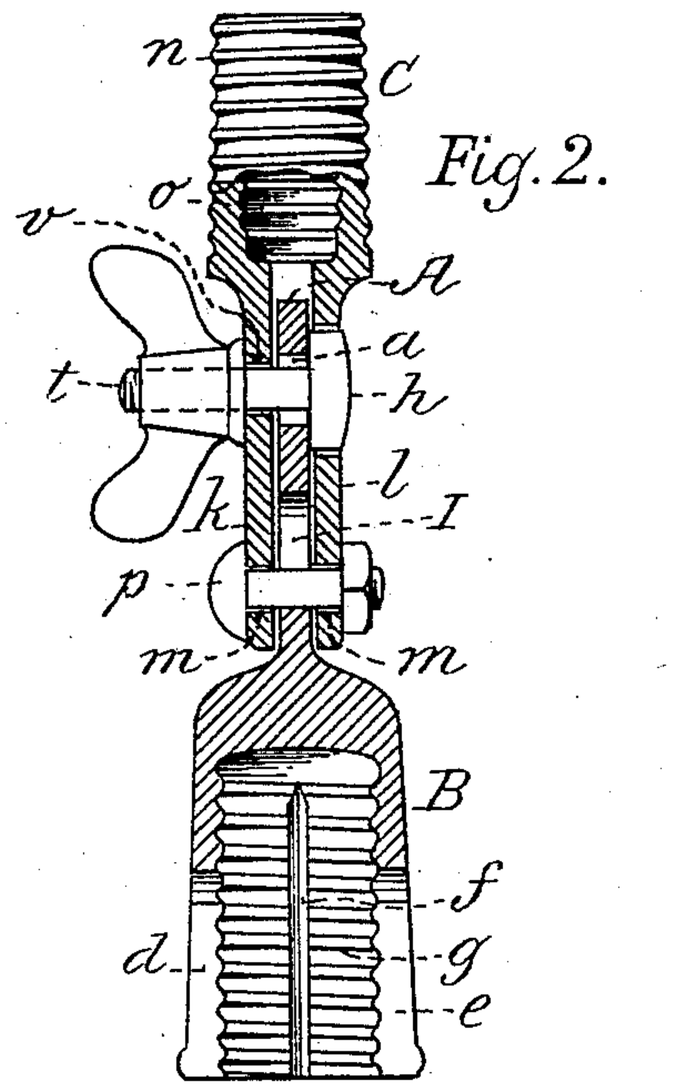


Fig. 3.

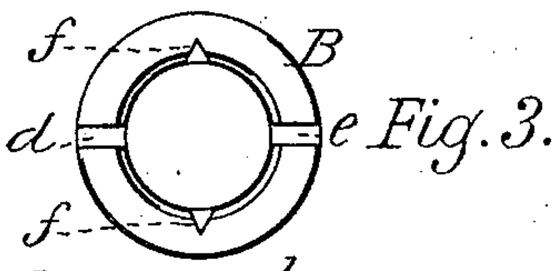


Fig. 4.

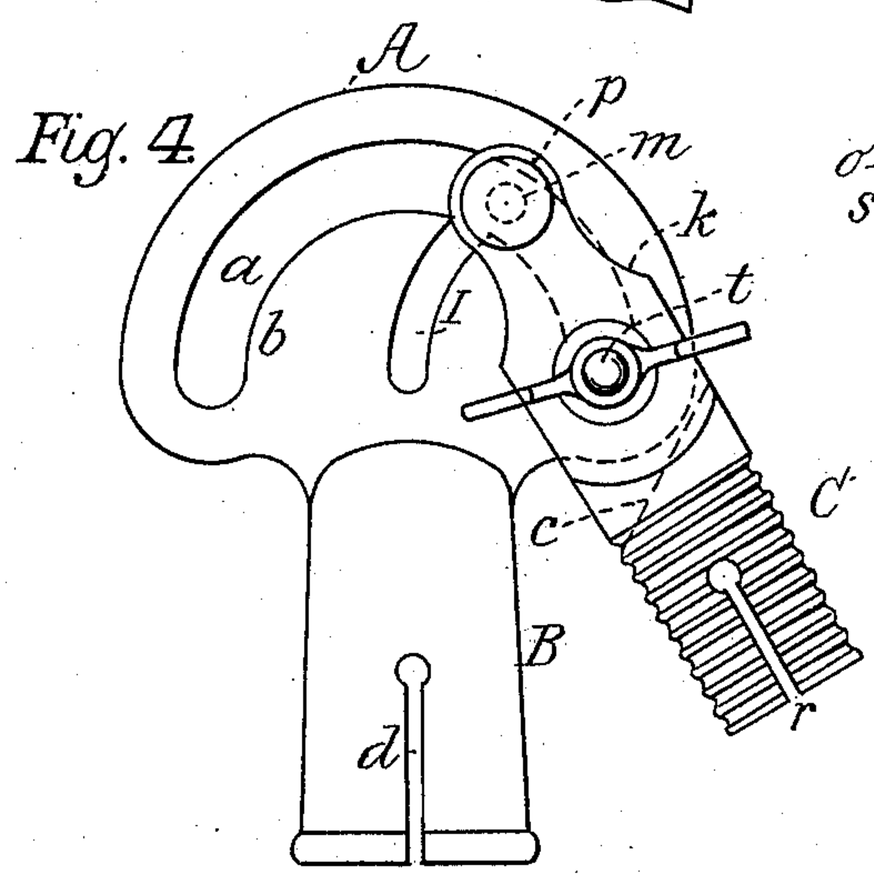
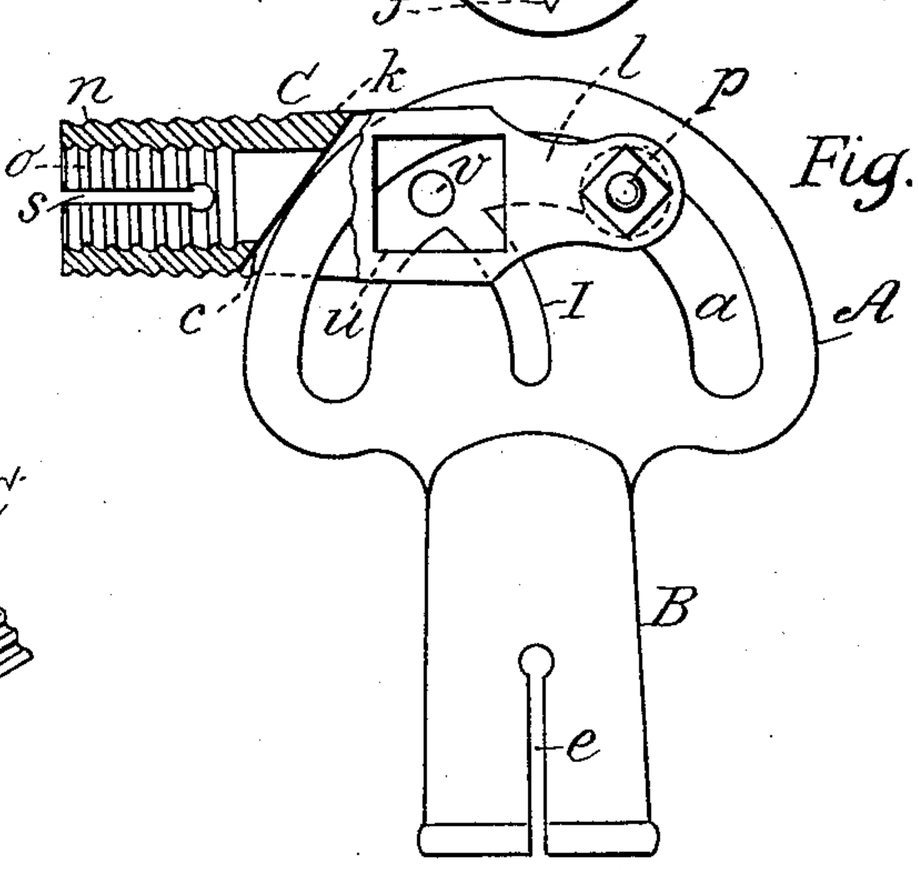


Fig. 5.



Witnesses:

Fred. Arto's.

P. Thiele.

Inventor:

Peter Helmond

UNITED STATES PATENT OFFICE.

PETER HELMOND, OF CHICAGO, ILLINOIS, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THOMAS BYRON, OF SAME PLACE, AND JOHN W. RICHARDSON, OF JANESVILLE, WISCONSIN.

DEVICE FOR HOLDING BRUSHES, &c., AT ANGLES.

SPECIFICATION forming part of Letters Patent No. 452,375, dated May 19, 1891.

Application filed November 6, 1890. Serial No. 370,545. (Model.)

To all whom it may concern:

Be it known that I, PETER HELMOND, a citizen of the United States of America, residing at Chicago, in the county of Cook, State of Illinois, have invented a new and useful Improvement in a Device for Holding Brushes, &c., at Angles, of which the following is a description, reference being had to the accompanying drawings, the same forming part of this specification.

My invention relates to an article of manufacture; and it consists in the construction of an implement for holding securely diverse instruments for cleaning, such as feather dusters, brushes, mops, &c., in radial or tangential positions, as circumstances may require.

Referring to the drawings, Figure 1 is a front view of the implement, the head turning in radial directions from center of the middle portion of the center plate. Fig. 2 is a transverse section in line of center of the foregoing one. Fig. 3 is a bottom end view of Fig. 2, and Figs. 4 and 5 are front views showing the head in tangential positions sliding in the semicircular slot of the center plate.

My improved implement consists of a semicircular-shaped center plate A, mounted with a removably-attached head C, and the said center plate is made of suitable metal, embracing a curved slot *a*, parallel in its course with the periphery of the plate, and a half-round middle portion *b*, which is provided with a segmental slot I, the same curving from center of the plate A into the above-mentioned semicircular space *a*. The center plate itself terminates at its base with a socket B, which is provided with internal screw-threads *g*, and on opposite sides are applied V-shaped grooves *f f* and slots *d e* to pass a screw through the latter into a wooden handle fitted into the socket to keep the same from turning and give vent for the chips cut from the stick by the said grooves. The head C is a conical-shaped tube, with taper bottom and parallel extending shanks *k l* at an ample space between them to receive easily the center plate A, and are provided at their lower ends with holes *m m*, coinciding with the curved slot I of the half-round middle portion *b*, to receive a fitting-bolt *p* for riveting the said shanks properly to the center plate A, thus permitting free action of the head to turn in radial directions on the same, or by means of the inclined bottom *c* from the segmental slot I into the semicircular space *a*, sliding there in curvilinear positions, as shown in Figs. 4 and 5 of the drawings, and is rigidly fastened in required elevations by a thumb-screw in connection with a screw-bolt *t*, the same having a square neck *h*, which fits into the square countersink *u* on one side of the shank *l*, while the said bolt passes through the circular space of the center plate and the hole *v* of the other shank *k*.

The arrangement for tangential movements of the head is for the purpose to obtain a wider range for turning the same in positions to reach conveniently an object for cleaning, which would be difficult to perform otherwise, and the said head is provided with side slots *r s* and internal and external screw-threads *n o* to bear the handle of a duster, or to be connected with a brush, mop, &c., to execute satisfactorily the work to be done.

Having thus described my invention, I claim—

1. In an implement for holding at angles diverse instruments for cleaning, a center plate having a circular slot and a curved opening in center and having a slotted socket B, the same provided with grooves *f f* and screw-threads *g*, substantially as shown, and for the purpose specified.

2. In combination with a center plate, as above described, an internal and external screw-threaded conical head C, the same provided with slots *r s* and having an inclined bottom *c* in connection with projecting shanks *k l*, with holes *v m* and a countersink *u*, said head being adjustably connected with the center plate by bolts *t* and *p*, all arranged and constructed substantially as shown, and for purpose set forth.

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

PETER HELMOND.

Attest:

THOMAS BYRON,
FRED. ARTÓS.