A. J. ANDERSON & G. W. GOFF.

WORK HOLDER.

APPLICATION FILED APR. 15, 1911.

**995,759.** Patented June 20, 1911.

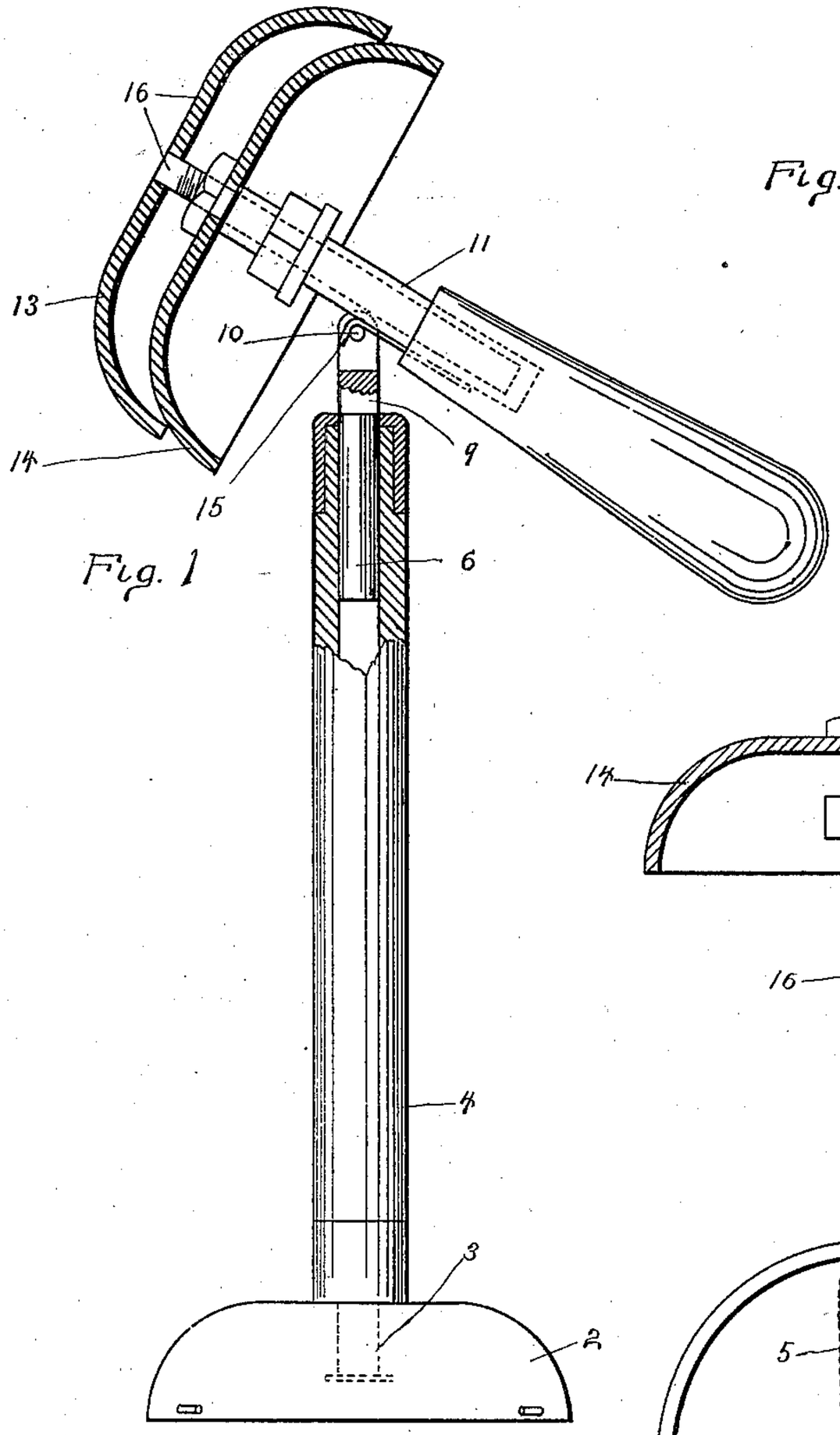


Fig. 1

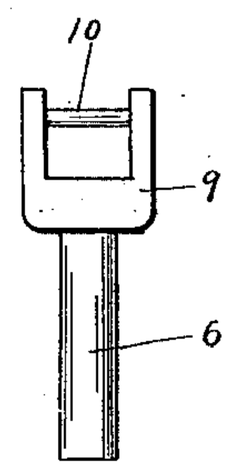


Fig. 4

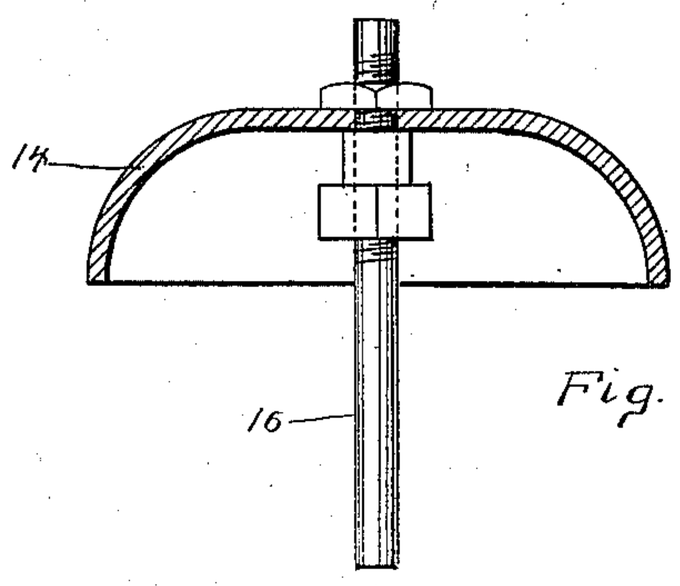


Fig. 2.

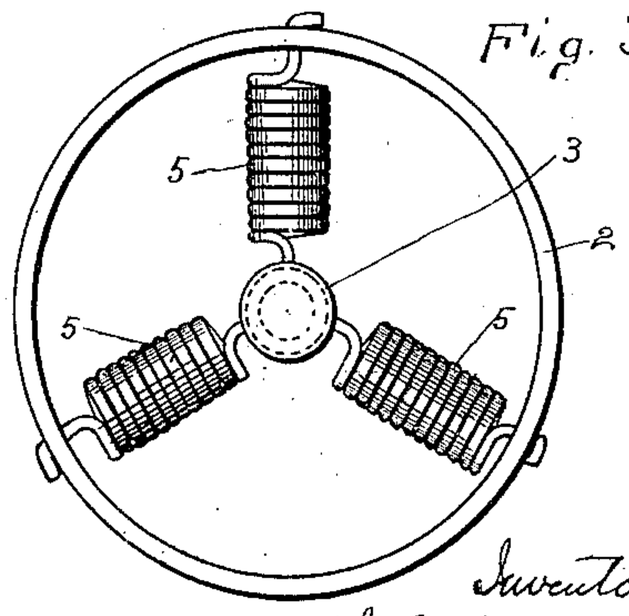


Fig. 3.

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# UNITED STATES PATENT OFFICE.

AXEL J. ANDERSON AND GEORGE W. GOFF, OF EAST HAMPTON, CONNECTICUT; SAID ANDERSON ASSIGNOR TO SAID GOFF.

## WORK-HOLDER.

995,759. Specification of Letters Patent. **Patented June 20, 1911.**

Application filed April 15, 1911. Serial No. 621,354.

*To all whom it may concern:*

Be it known that we, AXEL J. ANDERSON and GEORGE W. GOFF, citizens of the United States, residing at East Hampton, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Work-Holders; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view partially in section of a work-holder constructed in accordance with our intention. Fig. 2 a sectional view of the work-holder spindle with the bell to be polished removed. Fig. 3 an underside view of the base. Fig. 4 a side view of the work-holding yoke detached.

This invention relates to an improvement in work-holders and particularly to a holder for use in polishing bells.

In polishing bells they are placed upon a handle and forced against a polishing wheel, but to hold bells, and particularly large gong bells, requires great strength.

The object of this invention is to provide a support by which the operator may hold the bell in proper relation to the polishing wheel and turn the same so that all parts may be polished; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out our invention we employ a base 2 into which the lower reduced end 3 of a post 4 extends, and this reduced end is connected with the edge of the base by three spiral springs 5, it being understood that the opening in the top of the base through which the post extends is somewhat larger than the reduced end of the post so that the post may be turned out of a vertical line. Into the upper end of the post we insert the shank 6 of a yoke 9 which yoke comprises a bar 10 on which the sleeve 11 of a handle 12 may rest. The sleeve receives a spindle 16 adapted to support a bell 13 to be polished. Preferably we first secure to the spindle a bell 14 corresponding in size to the bell 13 to be polished and then place the bell to be polished upon the outer end of the spindle as shown in Fig. 1 of the drawings. The bell 14 forms a support for the bell 13 which may be turned on the outer end of the spindle, and the supporting bell may be readily changed for one of a different size when a bell of a different size is to be polished. Preferably and as herein shown, the sleeve 11 is formed with a hook 15 to rest on the bar 10 of the yoke. The sleeve 11 can thus be turned on the bar 10 and the yoke turned in the post 4, and the post moved in all directions out of the vertical line so that all parts of the surface of the bell to be polished may be moved against the polishing wheel.

We claim:—

1. A work-holder comprising a base, a post having a reduced end extending into the base, springs connecting the reduced end with the base, a yoke mounted at the upper end of the post, and a work-holding handle adapted to rest upon said yoke.

2. A work-holder comprising a base, a post mounted in said base the lower end of the post connected with the base by spiral springs, a yoke mounted in the upper end of the post and formed with a bar, a spindle adapted to rest on said yoke, and means for supporting a bell at the outer end of said spindle.

In testimony whereof, we have signed this specification in the presence of two subscribing witnesses.

A. J. ANDERSON.
GEORGE W. GOFF.

Witnesses:
CHARLES E. TORKELSON,
FRED. H. BARTON.