(No Model.)

H. WESTPHAL,

HOLDER FOR REVOLVING STANDARDS.

No. 395,766. Patented Jan. 8, 1889.

FIG. 1.

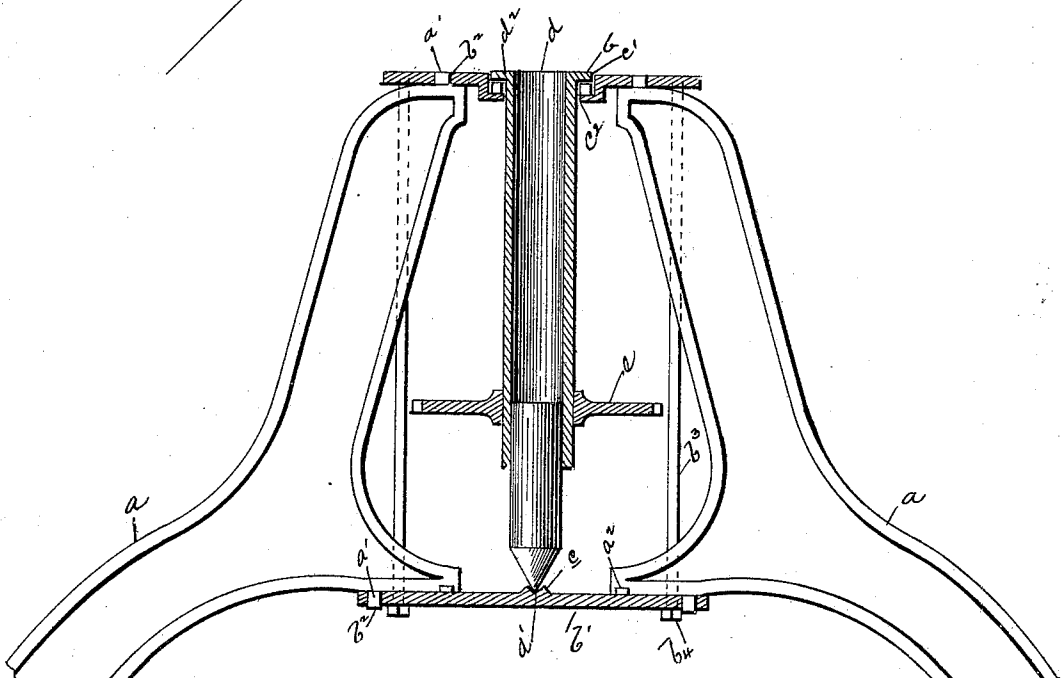


FIG. 2.

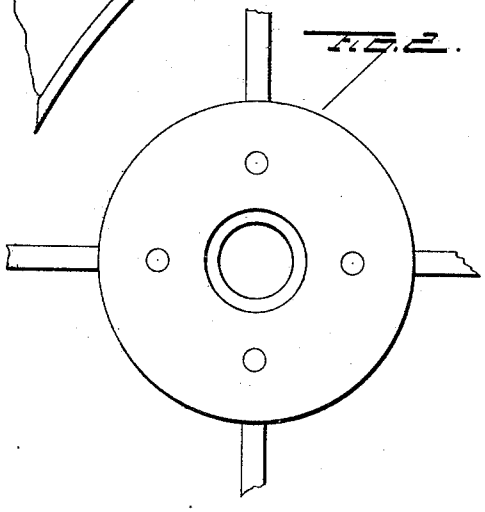
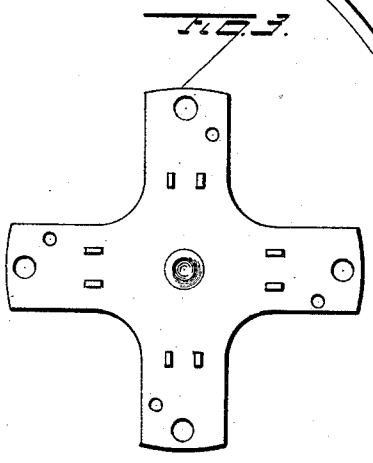


FIG. 3.



Witnesses:
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per.
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UNITED STATES PATENT OFFICE.

HENRY WESTPHAL, OF CHICAGO, ILLINOIS.

HOLDER FOR REVOLVING STANDARDS.

SPECIFICATION forming part of Letters Patent No. 395,766, dated January 8, 1889.

Application filed April 30, 1888. Serial No. 272,380. (No model.)

To all whom it may concern:

Be it known that I, HENRY WESTPHAL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Holders for Revolving Standards, &c., of which the following is a specification, to wit:

This invention relates to an improvement in holders or feet for revolving standards, show-goods, &c.; and it consists in certain peculiarities of the construction and arrangement of the same, substantially as will be hereinafter more fully described and claimed.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe its construction and use, referring to the accompanying drawings, in which—

Figure 1 is a central vertical section of my invention. Fig. 2 is a plan view of the same, and Fig. 3 is a detail of the lower plate.

The object of my invention is to provide a foot or support for revolving show-cases or shelves, Christmas-trees, or any other articles that may be operated by any suitable motive power, and by its construction to so avoid friction as to require but little power for its movement.

a a represent the feet or legs of my device, cast or formed in any desired shape and size and secured in a hub formed of two plates, *b b'*, each of which is provided with sockets b^2 to receive and hold dowels or pins *a'* on the upper and under sides of the feet. These plates are firmly held together by rods b^3 passed through them and provided with nuts b^4, and one of the plates is also provided with a pair of legs, a^2, for each foot, between which said foot lies, to prevent any side motion of the same, as shown in Figs. 1 and 3.

The under plate, *b'*, is formed or provided with a conical socket or stepping, *c*, and the upper one, *b*, with a central opening, *c'*, around which is a depressed flange, c^2, as in Fig. 1. In the support so formed is placed a spindle, *d*, preferably of tubular form, having a tapered or conical pointed plug, *d'*, in its lower end, which rests in the stepping *c*, and around its upper end is a flange, d^2, as shown. This flange lies just over the depressed flange c^2 of the top plate, and between the two are placed a series of small chills, rollers, or similar anti-friction devices to facilitate the revolution of the spindle, on which I have shown a gear, *e*, by which it may be driven from any suitable motor.

It is evident that small power is required to revolve the spindle, and that many different articles, such as will occur to the user, may be supported and revolved thereby without any change in the construction.

I do not desire to confine myself to any particular mode or means of operating it, whether by hand, spring, weight, or otherwise, but will arrange this as may be desired by the purchaser.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the legs *a a* and the plates between which they are clamped, one provided with a conical step and the other with a central opening surrounded with a depressed flange, of a spindle in said support formed on one end with a cone-point and on the other with a peripheral flange, substantially as and for the purpose set forth.

2. The combination, with the legs *a*, plates *b b'*, socketed to receive the pins *a'* and held together by bolts b^3, the step *c*, and depressed flange c^2, of the spindle *d*, its plug *d'*, cone-pointed flange d^2, and the chills or equivalent devices d^3, substantially as and for the purpose set forth.

3. The combination, with the legs secured between a pair of plates, of a revolving spindle provided with a gear-wheel, and a point resting and revolving on the bottom plate and passing through the upper plate and laterally supported by rollers, chills, or similar anti-friction devices, substantially as shown and described, and for the purpose set forth.

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

HENRY WESTPHAL.

Witnesses:
H. YOUNG GREY,
L. B. HARRISON.