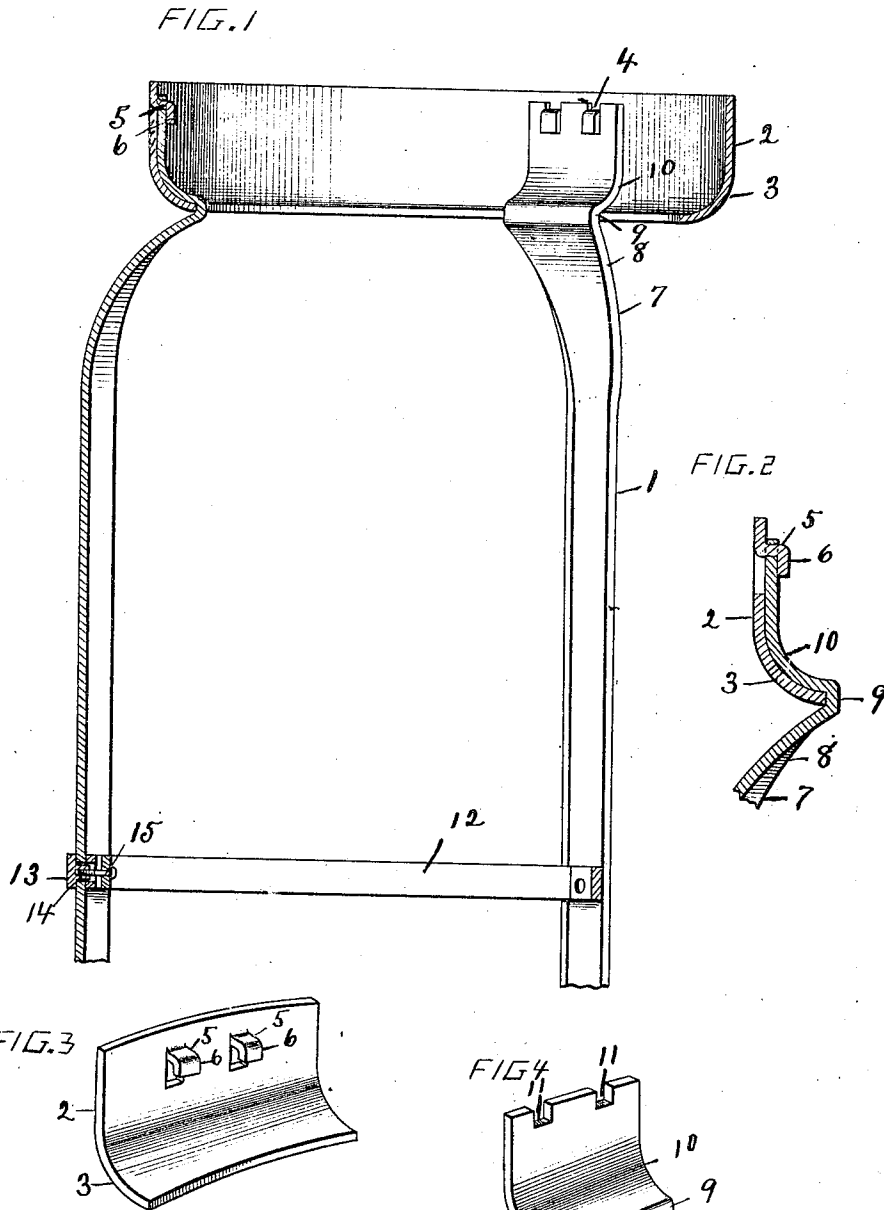


W. I. SHERWOOD.
WATER COOLER STAND.
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1,018,212.

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WITNESSES:

Parker Cook
G. C. Bruce

INVENTOR
William I. Sherwood
BY
A. P. Greeley
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM I. SHERWOOD, OF MONTCLAIR, NEW JERSEY, ASSIGNOR TO CORDLEY & HAYES, A CORPORATION OF NEW YORK.

WATER-COOLER STAND.

1,018,212.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM I. SHERWOOD, a citizen of the United States, residing at Montclair, in the county of Essex, State of New Jersey, have invented certain new and useful Improvements in Water-Cooler Stands, of which the following is a description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to stands designed for supporting water coolers but may be used however to support other things.

The object of my invention is to provide a stand which will be neat in appearance, cheap to manufacture and easily assembled and very rigid when so assembled. Stands are generally shipped and stored in a knocked-down or collapsed condition, this saving much space and facilitating the handling of the same.

Another object is to provide a stand in which the supporting legs and a ring member forming a part of the stand become securely interlocked when assembled thus forming a rigid structure.

With these and other ends in view my invention consists in certain new and novel features of construction and combination of parts as will be hereinafter fully described and pointed out in the claim.

In the accompanying drawing, Figure 1 is a view showing a section upon a vertical plane passing through one of the legs and the lower ends of the legs being broken away; Fig. 2 is an enlarged sectional view of the upper portion of one of the legs and the ring; Fig. 3 is a perspective view of a part of the supporting ring; Fig. 4 is a similar view of the upper portion of one of the legs.

Referring to the drawings 1 represents the legs of my improved stand, it being preferable to employ three, though more than three may also be used. These legs are preferably formed from sheet metal and trough shaped in cross-section, as I have found this makes a comparatively light and rigid support. However I do not wish to limit myself to this form of legs as it will be seen other forms may be successfully used.

2 is the ring which supports the cooler and is supported at the upper end of the

legs 1, and a tray (not shown) is generally interposed between the ring and the cooler. I refer to the ring as vertically made as the height is several times as great as the thickness of the material from which it is formed and its wall is parallel to its axis. The ring is also formed with an inwardly extending annular flange 3 at its lower edge which co-operates with the upper portion of the legs as will be hereinafter explained. The ring is provided with a plurality of lugs 4 formed in pairs which are located at equal distances from each other around the inner surface of said ring. These lugs are formed by stamping the metal inwardly as shown at 5 and downwardly as at 6, and as I have shown the stand provided with three legs there will be three sets or pairs of lugs.

Referring again to the legs, the upper portion is flattened as at 7 and bent inwardly as at 8 then upwardly for a relatively short distance as at 9 and then outwardly as at 10 the curvature following that of the flange 3 of the supporting ring 2. At the upper edge of the outwardly extending portion are two recesses 11 adapted to receive the retaining lugs 4 and securely hold the said outwardly extending portion against the ring 2.

A brace member 12 is secured to the legs 1 after they have been placed in position and imparts additional rigidity to the stand and serves to force the lower ends of the legs apart. By so forcing the lower ends of the legs apart the portions 9 and 10 are naturally forced against the flange 3 and ring 2, and the lugs 4 are securely bound in the recesses 11.

The brace member is securely fastened to each of the legs by means of a nut 13 having an internally threaded projection 14 and a bolt 15 the brace and legs having registering openings through which the mechanism described passes as is clearly shown in Fig. 1.

It will be clearly seen from the foregoing that the assembling of the stand is a comparatively simple matter; placing the upper portion of the legs against the inner surface of the ring below the lugs and moving the legs upwardly until the lugs enter the recesses and then bolting the brace member to the lower part of the legs.

The stand is of few parts, easily assem-

bled, rigid when so assembled and also capable of being easily and quickly taken apart.

Having thus described my invention I claim as new and desire to secure by Letters Patent:

A water cooler stand comprising a vertically arranged ring adapted to support a water cooler said ring being formed with a plurality of inwardly extending fastening lugs and an inwardly extending annular flange at its lower edge; detachable legs provided with recesses in their upper edge

to receive said fastening lugs, and a vertically and outwardly arranged portion adapted to contact with the inner surface of said flange and said ring when said stand is assembled, and a brace member beneath said ring connecting said legs with one another, substantially as described.

This specification signed and witnessed this 10th day of Feby., A. D. 1911.

WILLIAM I. SHERWOOD.

In the presence of—
WALTER I. GAUS,
DAVID O. KAY.