T. S. CHAPPELL.

DISPLAY STAND.

APPLICATION FILED AUG. 13, 1917.

1,270,004.

Patented June 18, 1918.

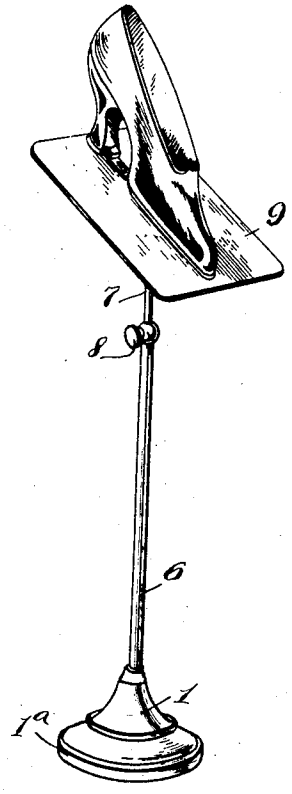

Fig. 1.

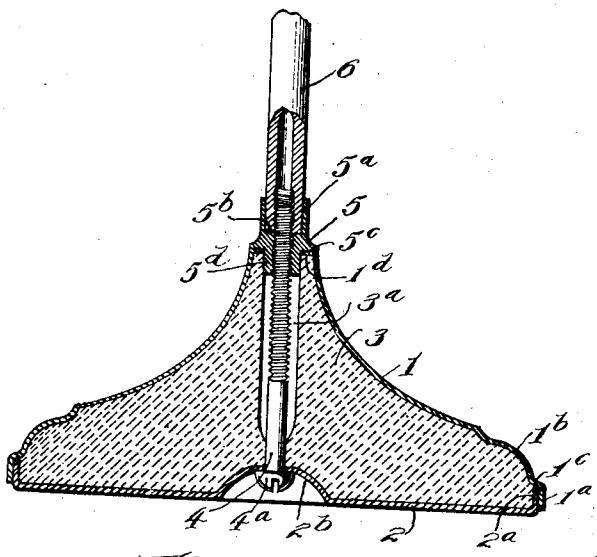

Fig. 2.

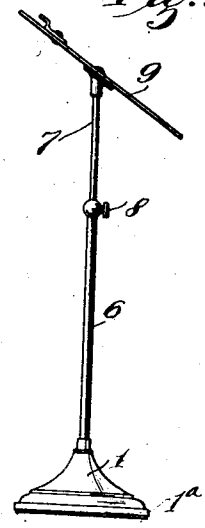

Fig. 3.

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UNITED STATES PATENT OFFICE.

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DISPLAY-STAND.

1,270,004. Specification of Letters Patent. Patented June 18, 1918.

Application filed August 13, 1917. Serial No. 185,821.

To all whom it may concern:

Be it known that I, THOMAS S. CHAPPELL, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Display-Stands, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

This invention relates to display stands, and more particularly to the construction of the bases of such stands and the means for connecting the upright members thereto. Further and more limited objects of the invention will appear in the specification and will be set forth in the combinations of elements embodied in the claims hereto annexed.

In the drawings forming part hereof, Figure 1 represents a perspective view of a display stand constructed in accordance with my invention; Fig. 2 an enlarged sectional detail through the base, the connecting member, and a portion of the tubular member connected thereto; and Fig. 3 a side elevation of the stand shown in Fig. 1.

Describing by reference characters the various parts illustrated herein, 1 denotes the upper member and 2 the lower member of the base proper. This upper member is made preferably of sheet metal and is of tapered form, being provided at its lower end with a cylindrical skirt 1^a, which is connected to the rounded portion 1^b thereabove by means of a shoulder 1^c. The lower member of the base consists of a flat circular plate having an upwardly projecting cylindrical flange 2^a at its periphery and an upwardly projecting recess 2^b at the central portion thereof. The flange 2^a is adapted to fit within the skirt 1^a, and the upper and lower members will be retained in operative relation to each other by means of the shoulder 1^c, the parts being so proportioned that the bottom of the skirt 1^a is preferably a short distance above the bottom of the plate 2, whereby said plate sustains the weight of the stand and the articles supported thereby. At its upper end, the tapered upper portion of the base is provided with an inwardly projecting annular flange 1^d. The upper and lower portions of the base are connected together by means to be described hereinafter. Prior to such connection, the space inclosed by the base members is filled with suitable material 3, preferably concrete or cement whereby the base will be weighted and a firm bearing and connection will be provided for the upper and lower portions thereof. The concrete material may be introduced into the base in any convenient manner and will be provided with a bore 3^a. The lower end of this bore is contracted so as to receive therewithin, and preferably to form a fit with, a screw bolt 4 having a head 4^a which is shown as slotted for the reception of a screw driver, whereby it may be rotated, the recess 2^b receiving the head of the bolt therewithin being of sufficient depth to prevent the said head from engaging the surface on which the stand may be supported.

5 denotes a coupling member which is provided with a sleeve 5^a for the reception of an upright tubular member 6. The coupling member 5 is provided with an inwardly projecting annular ledge 5^b upon which the lower end of the member 6 may seat and with an annular flange 5^c by which the said member is adapted to be seated upon the flange 1^d. The coupling member is also provided with a tubular extension 5^d adapted to enter and preferably fit within the upper end of the bore 3^a of the filler 3. The interior of the bore through the parts 5^b and 5^d is threaded for the reception of the bolt 4; and the lower end of the upright member 6 is correspondingly threaded, the bore of said upright member and the bore through the parts 5^b and 5^d being of the same diameter whereby the bolt may be threaded into the connecting member and into the said upright member.

Assume that the base including the parts 1 to 3 inclusive has been assembled. The coupling member 5 is inserted within the bore 3^a with its flange 5^c resting upon the flange 1^d. The bolt 4 will then be applied to the base and threaded into the coupling member, drawing the latter firmly to its seat. The tubular member 6 will then be inserted into the sleeve 5^a and screwed down along the bolt 4 until its lower end is seated upon the ledge 5^b. It will be seen that, by this construction, the parts of the base are securely connected by the bolt and that the bolt serves as a rigid connection between the base and the tubular member 6.

As shown herein, the tubular member 6

may support an additional upright member 7 which telescopes with respect thereto, being secured in any desired adjusted position by means of the set screw 8. While I have shown but one additional upright member 7, it will be understood that one or more additional telescoping members may be employed, if desired, the members being secured in adjusted position by means of such additional set screws 8 as may be necessary. The uppermost telescoping member will carry a display stand 9 which may be of any convenient design adapting it for coöperation with the particular article or articles to be supported and displayed.

The construction herein disclosed provides a simple, efficient, and sightly construction whereby the lower upright member of a display stand may be conveniently and effectively secured to the base; and the construction and arrangement of parts is such as to peculiarly adapt the connecting means for use with a base having a filling of cement or similar material.

Having thus described my invention, what I claim is:—

1. In an article of the character described, the combination of a base having a bore therethrough, a coupling member having a tubular projection adapted to enter said bore, a seat above said projection, a sleeve extending upwardly from said seat and an annular ledge within said sleeve, a bolt extending through the bore in said base and threaded into and through the tubular extension of the coupling member, and an upright member within the sleeve of the coupling member and having an internally threaded bore for the reception of the upper end of said bolt.

2. In an article of the character described, the combination of a base comprising a lower member and an upper member, the space inclosed by said members having a filling provided with a central bore, a coupling member supported on top of the upper portion of the base and having a tubular projection extending within the said bore and provided with a ledge forming a seat, an upright member having a bore and adapted to engage the said ledge, and a bolt within the bore of said base and threaded into the coupling member and into the upright member.

3. In an article of the character described, the combination of a base, a coupling member seated on top of said base and having a tubular projection extending into the top of the base and a sleeve extending upwardly therefrom, said sleeve being provided with an inwardly extending annular ledge, an upright member adapted to seat upon the ledge within said sleeve and having a bore, and a bolt extending through the base and threaded to the coupling member and to the lower end of the bore of the upright member.

4. In an article of the character described, the combination of a base having a central bore, a coupling member having a portion extending into said bore and provided with a seat, an upright member coöperating with the second member, and means extending through the bore in said base and serving to secure the coupling member to said base and the upright member to the seat carried by said coupling member.

5. In an article of the character described, the combination of a base having a central bore, a coupling member adapted to seat upon the top of said base and having a tubular extension within said bore and a sleeve extending upwardly above the base-engaging portion thereof, a bolt within said bore and threaded into the downward extension of the coupling member, and an upright tubular member fitting within said sleeve and threaded to said bolt.

6. In an article of the character described, the combination of a base, a coupling member thereon, an upright member coöperating with said coupling member, and a connecting member within the base and securing the coupling member thereto and the upright member to the coupling member.

In testimony whereof, I hereunto affix my signature.

THOMAS S. CHAPPELL.