

(No Model.)

C. A. TUCKER.
CASTER.

No. 539,156.

Patented May 14, 1895.

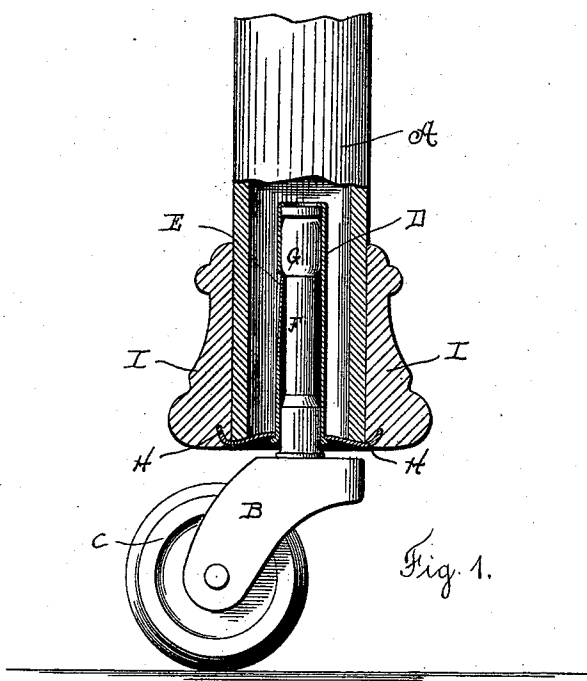


Fig. 1.

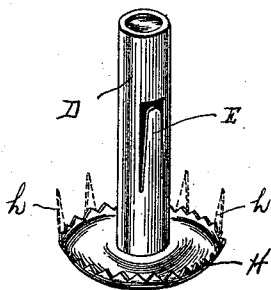


Fig. 2.

Witnesses
Chas. F. Johnson
E. M. Healy

Inventor.
Curtis A. Tucker,
By Attorneys
Southgate & Southgate

UNITED STATES PATENT OFFICE.

CURTIS A. TUCKER, OF WESTBOROUGH, MASSACHUSETTS, ASSIGNOR TO
FRANCES A. TUCKER, OF SAME PLACE.

CASTER.

SPECIFICATION forming part of Letters Patent No. 539,156, dated May 14, 1895.

Application filed September 4, 1894. Serial No. 522,026. (No model.)

To all whom it may concern:

Be it known that I, CURTIS A. TUCKER, a citizen of the United States, residing at Westborough, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Casters, of which the following is a specification:

My invention relates to that class of casters or rollers which are detachably secured and held in place in suitable sockets, and the especial object of my invention is to provide means for securing a caster socket within the end of a hollow pipe or post.

To this end, my invention consists of the parts and combinations of parts as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a side elevation of a hollow iron pipe or post partially broken away to show the means which I preferably employ for securing a caster-socket within the same, and Fig. 2 is a perspective view illustrating the form of caster-socket which I preferably employ.

In making iron bedsteads and similar articles of furniture which are provided with vertical iron posts or legs, it has heretofore been customary to close the bottom of the bed-post or leg, and to provide each post with an extending pintle or pin, which may be headed over to secure a caster upon the same. In practice, it has been found that this method of fastening casters to posts or pipes is unsatisfactory, as threaded caster pins or pintles, or otherwise securing these projecting pins in the bottoms of the posts is expensive, and it has also been found that the caster pins and the rigidly secured casters are liable to be injured or broken off when the bedsteads or other articles of furniture are shipped or otherwise moved about. To overcome these objections I have provided means for securing the socket of a detachable caster within the end of the pipe or post, which in practice has been found to be exceedingly simple and practical.

Referring to the drawings and in detail, A designates a pipe or bedpost, which may be of the ordinary or approved construction, and is ordinarily formed of hollow wrought iron pipe.

In providing the post with a caster socket according to my invention, I ordinarily employ a sheet-metal socket D, which is provided at its lower end with a curved serrated head or disk H, and is also provided near the center of its body portion with a spring tongue or projection E.

When a caster socket is to be secured to a post, the socket is placed within the end of the post so that the serrated disk or head H fits over and extends up around the outside of the post A. The end of the post or pipe A is then inserted within the molding flask or other form of mold, and closing the lower end of the post A and the projecting edges of the serrated disk H, I cast an ornamental reinforcing bead, or, as it is commonly called, a chill I, which will thus form a reinforcing foot for the bedstead post, and, at the same time, will rigidly secure the socket D within the end of the post.

Ordinarily I prefer to chill the casting I so that it is shrunk upon the post A, and will more rigidly engage the parts to hold them together, although it is evident that other methods of casting may be employed, if desired.

In the dotted lines in Fig. 2, I have illustrated a caster socket which is provided with projecting spurs or extensions *h*, which may be used, if preferred, and where this construction is employed, the spurs *h* will extend to a greater distance within the chill I, and will serve to more firmly secure the parts, although in practice I have found that the use of these projecting spurs is unnecessary except in cases where the article is to be subjected to unusual strains.

The caster B which I employ in connection with the caster socket, which is thus secured to the bed-post is provided with the ordinary caster wheel C and with an upwardly projecting pin or shank F having a head or shoulder G, which is adapted to be engaged by the spring tongue E of the socket D, and to be thus detachably secured in place.

By utilizing the ornamental reinforcing chill or bead I for both protecting and ornamenting the end of the post, and for securing the caster socket in place, I have greatly simplified the attachment of casters to posts, and

have provided an extremely simple, efficient and ornamental device.

I am aware that changes may be made in the form of the caster-socket and caster 5 which may be employed, and I do not wish, therefore, to be limited to the details of construction which I have shown and described, but

What I do desire to secure by Letters Patent 10 of the United States is—

1. The combination of a hollow pipe or post, a caster socket fitting within the end of said pipe or post, and an ornamental reinforcing bead or chill cast upon the lower end of said 15 post, and securing the caster socket within said post, substantially as described.

2. The combination of a hollow pipe or post, a sheet-metal caster socket having a head or disk adapted to fit over and extend up around 20 the lower end of said pipe or post, and an ornamental reinforcing bead or chill cast upon the end of said post, and securing the caster-

socket within said post, substantially as described.

3. The combination of a hollow, vertical, 25 wrought-iron pipe or post, a sheet-metal caster socket having a serrated head or disk adapted to fit over and extend up around the lower end of said pipe or post, and having an inwardly extending spring tongue formed in 30 its body portion for detachably securing a caster in place, and an ornamental, iron reinforcing bead or chill cast upon the end of said post, and securing the caster socket within the end of said post, substantially as de- 35 scribed.

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

CURTIS A. TUCKER.

Witnesses:

LOUIS W. SOUTHGATE,
E. M. HEALY.