

W. C. CODDINGTON.  
Caster.

No. 223,839.

Patented Jan. 27, 1880.

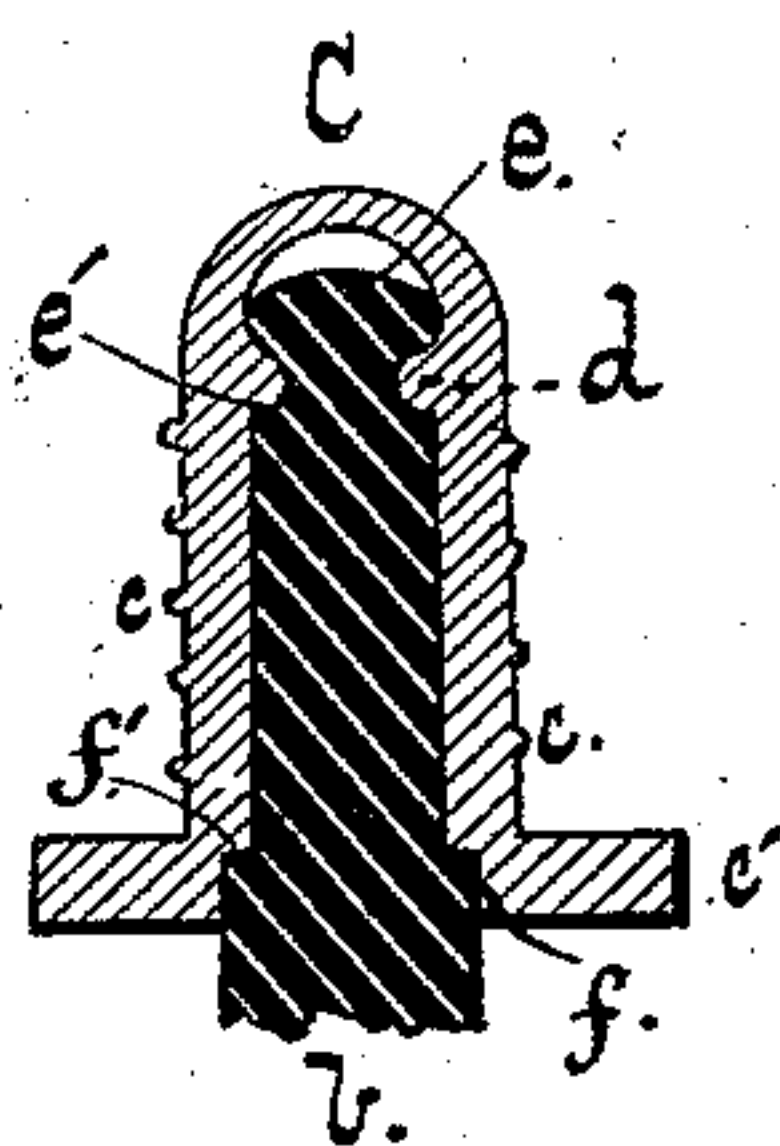
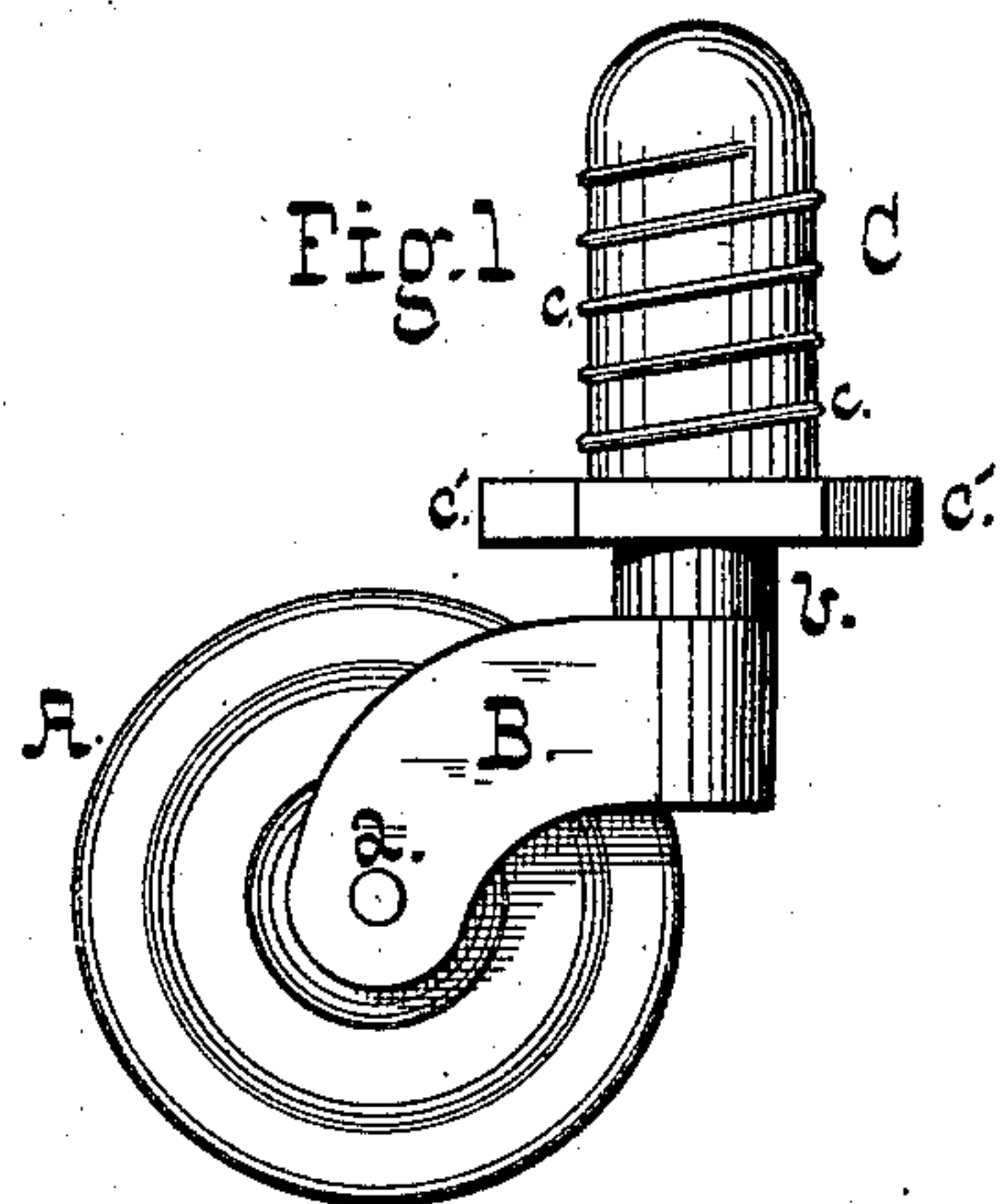


Fig. 2

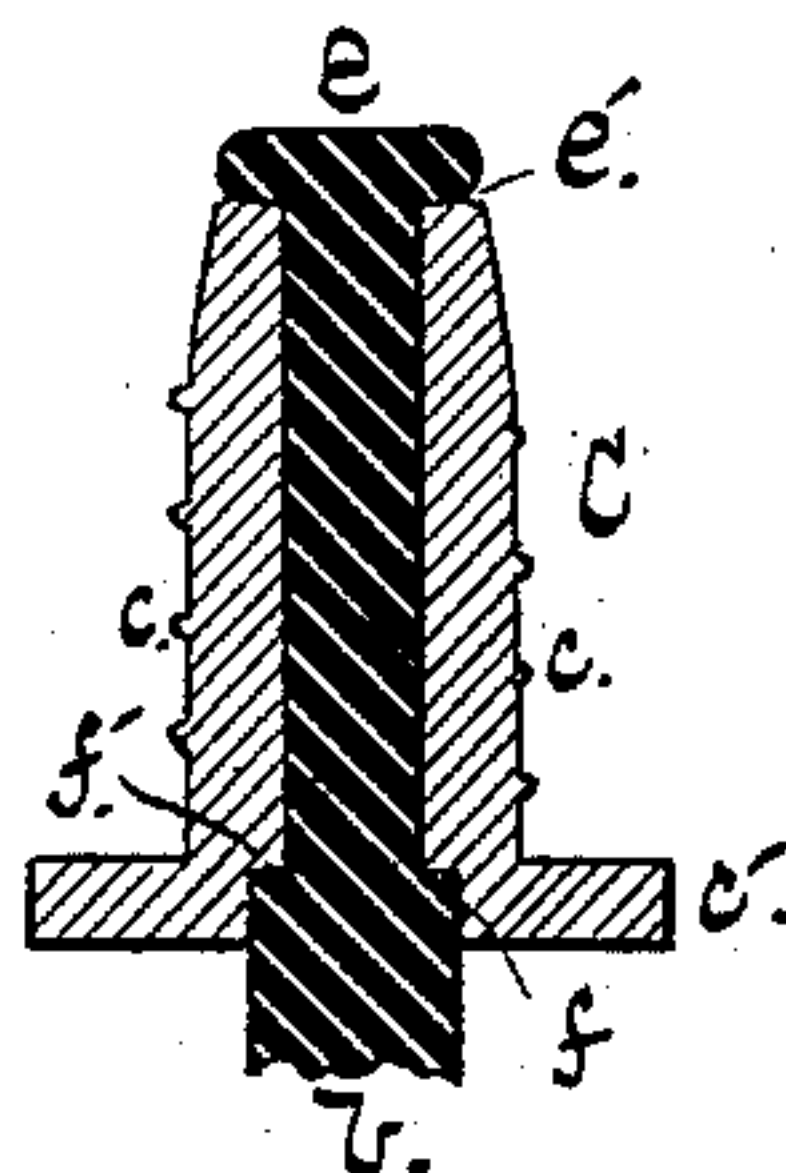


Fig. 3

Witnesses,

W. A. Bertam

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Inventor,

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by

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# UNITED STATES PATENT OFFICE.

WILLIAM C. CODDINGTON, OF BALTIMORE, MARYLAND, ASSIGNOR TO  
SAML. G. B. COOK, OF SAME PLACE.

## CASTER.

SPECIFICATION forming part of Letters Patent No. 223,839, dated January 27, 1880.

Application filed November 10, 1879.

*To all whom it may concern:*

Be it known that I, WILLIAM C. CODDINGTON, of Baltimore city, State of Maryland, have invented certain new and useful Improvements in Casters; and I hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of the device; Fig. 2, a vertical central sectional view of the socket and pivot-pin; Fig. 3, a similar view of a modified form of the same.

My invention relates to that class of casters having an externally-threaded socket adapted to be screwed into a leg of the chair or table or other article of furniture on which the caster is to be used, the said socket receiving the pivot-pin which carries the roller; and it consists in a caster having its socket cast in one piece upon the pivot-pin and securely retaining it, so that the parts cannot become separated.

A caster identical with my own in all respects save one has long been favorably known as the "Miller" caster. In it, however, the socket was made in two pieces, having an external thread similar to that illustrated in the accompanying drawings. The device was open to the objection that the three parts of which it consisted, being unconnected, were, when not in place, liable to become separated, and the loss of a single one practically destroyed the caster. Besides, the threads on the halves of the socket would not register, and the device was somewhat difficult of insertion in the article of furniture under which it was to be used.

The inventor's object in making the socket in halves was to enable a collar on their interior surface to engage with a neck on the pivot-pin and retain it in the socket. I secure this result, while obviating the evils above referred to, by casting the socket upon the center-pin or pivot itself, whereby the parts are held together and a smooth continuous thread is formed, and increased facility is afforded for inserting the device.

In the accompanying drawings, A is the roller, mounted on a pivot, *a*, in a yoke, B, extending from the center-pin *b*. The latter has a head, *e*, which prevents its retraction from the socket C. The latter is cylindrical, and is provided with a thread, *c*, and polygonal flange *c'*, for the attachment of a wrench or spanner in screwing it into place. An annular collar, *d*, embraces the neck of the center-pin, furnishing a bearing-surface, *e'*, which, in the form shown in Fig. 2, sustains the weight of the article of furniture, and in the case of the modification shown in Fig. 3 prevents the retraction of the pin. In either a flange, *f*, on the pin rests on a bearing, *f'*, in the sleeve, in one case supplementing the bearing *e'* and in the other subserving its functions.

In constructing the device the pins *b* are first formed, and are coated with clay, lime, or other suitable material, so as to prevent the adhesion or welding thereto of the sleeve or socket. The pins are next placed centrally in the molds, and the sockets are cast upon them.

Instead of clay or lime, finely-ground oxide of iron may be used to coat the pins, being mixed with water to a thin paint. The molten cast-iron is thereby stratified at the surface in contact with the pin, and wear is prevented.

The device is cheaply constructed, and possesses all the advantages of other articles of its class, while avoiding the disadvantages hereinbefore referred to.

What I claim is—

1. In combination with the headed center-pin *b*, the sleeve C, having thread *c* and flange *c'*, the said sleeve being in one piece and cast upon the pin, substantially as described.

2. In combination with the pin *b*, having head *e* and flange *f*, the sleeve C, cast thereon and having thread *c* and flange *c'*, substantially as described.

WILLIAM C. CODDINGTON.

Witnesses:

R. D. WILLIAMS,  
SAML. G. B. COOK.