

(No Model.)

W. P. TRACY.

CASTER.

No. 347,261.

Patented Aug. 10, 1886.

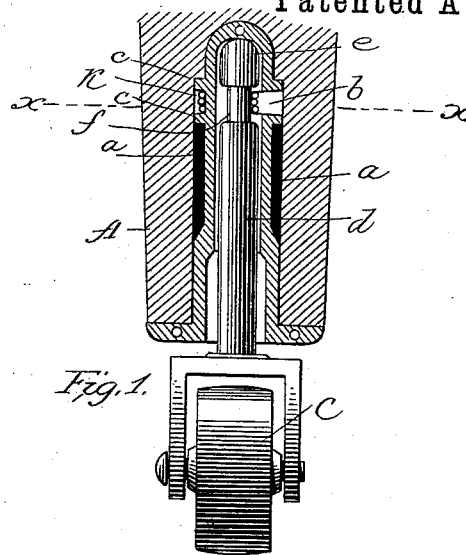


Fig. 1.

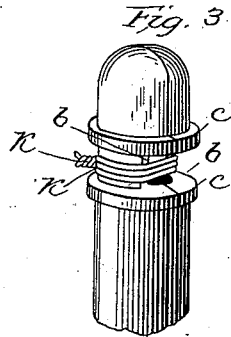


Fig. 3.

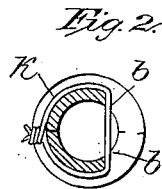


Fig. 2.

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WILLIAM P. TRACY, OF GRAND RAPIDS, MICHIGAN.

CASTER.

SPECIFICATION forming part of Letters Patent No. 347,261, dated August 10, 1886.

Application filed June 8, 1886. Serial No. 204,488. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. TRACY, of Grand Rapids, in the county of Kent and State of Michigan, have invented a new and useful
5 Improvement in Lock-Casters; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention is an improved caster for articles of furniture, and relates particularly to
10 that class known as "self-locking casters."

The principal object of the invention is to provide a caster in which the spring holding the spindle of the caster in the socket shall at the same time hold the two parts of the socket
15 together.

My invention therefore consists in the details of construction hereinafter fully described, and specifically claimed.

In the accompanying drawings, Figure 1 is
20 a central vertical section of a table leg with my improved caster in place, and Fig. 2 is a transverse section on line *x x* of Fig. 1. Fig. 3 is a perspective view of the upper portion of the socket.

25 In these drawings, A represents the leg of the article of furniture to which the caster is applied. A cavity, *a*, is made in the leg, as usual, and a metallic case or socket composed of two parts is fitted thereto, having a flange upon the lower end which is adapted to fit
30 over the end of the leg. The socket is made in two parts, each part being cut away, as shown at *b b*, for a purpose hereinafter explained. Upon the socket are two peripheral
35 flanges, *c c*. A piece of wire, K, is wound around the socket close up against the under sides of the two flanges *c c*, said wire being wound tightly and resting upon the two edges of the cut-away portion of the socket, the wire
40 thus forming practically a chord of an arc.

The caster C is of ordinary construction, and is provided with a spindle, *d*, having a rounded head, *e*, and a reduced neck, *f*.

The socket is cut away to such an extent that when the wire is wound around it passes
45 transversely across a portion of the interior of the socket, thus making the portion of the socket-chamber directly under it smaller than the head of the spindle, but not so small but that after the head of the spindle is forced by
50 it, it will allow free movement to the spindle, owing to the reduced neck thereof. When the spindle is inserted in the socket, the rounded head forces its way by the wire, said wire
"giving" a little to allow the passage of the
55 head; and by reason of the reduced neck *f* the caster has free movement in the socket, but is prevented from dropping out when the article of furniture is lifted, by the head of the spindle being unable to pass by the wire, ex-
60 cept some force be exerted.

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

In combination, a caster having a spindle
65 formed with a rounded head and reduced neck, a socket therefor formed in two parts, cut away as shown, and a binding-wire adapted to hold the two parts of the socket together and to hold the spindle in place, substantially
70 as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM P. TRACY.

Witnesses:

G. G. WITMAN,
A. D. ESLER.