(No Model.)

B. GOLDSMITH.

CASTER.

No. 584,547. Patented June 15, 1897.

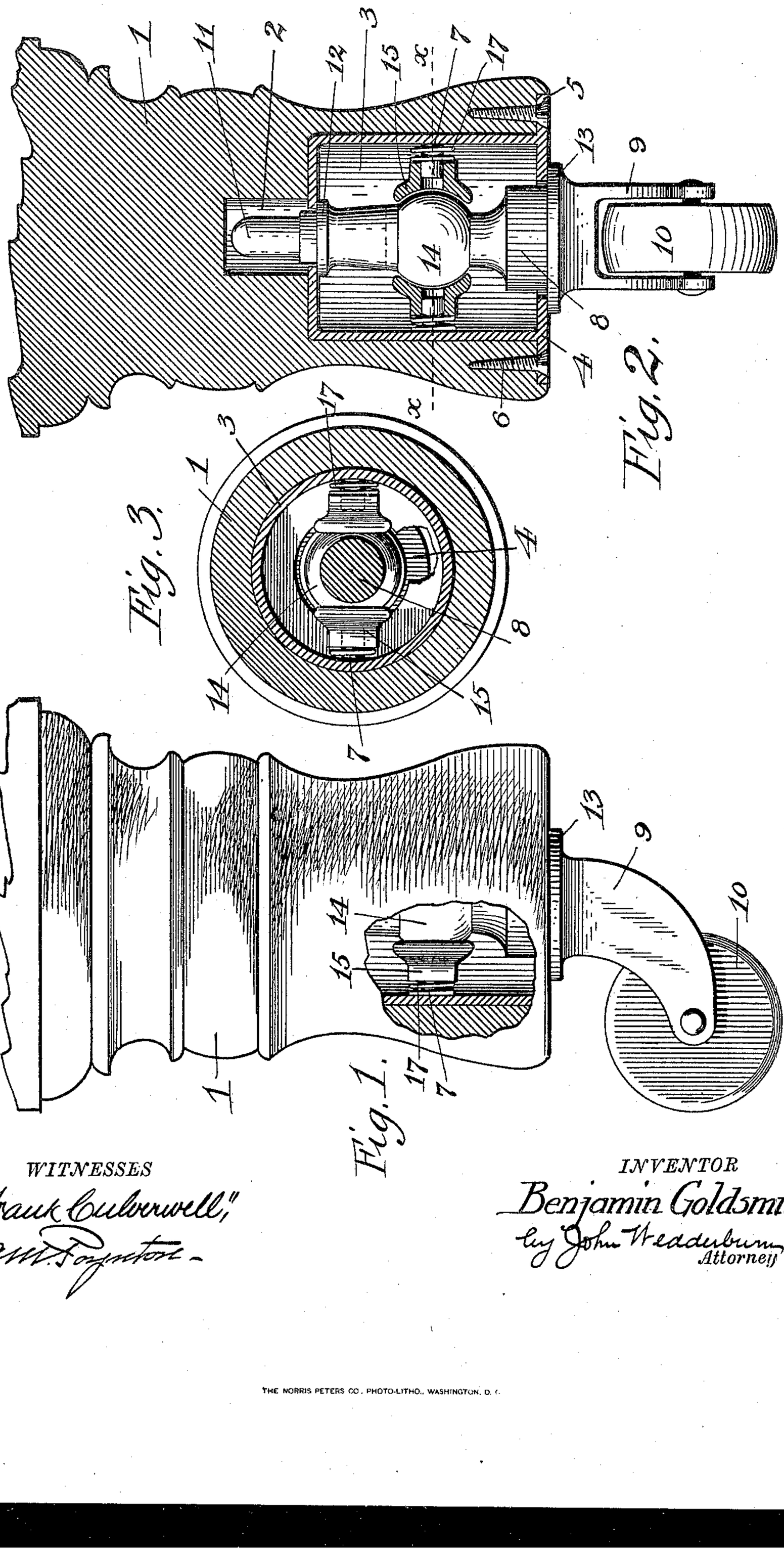

Fig. 2.

Fig. 3.

Fig. 1.

WITNESSES

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BENJAMIN GOLDSMITH, OF CONNELLSVILLE, PENNSYLVANIA.

CASTER.

SPECIFICATION forming part of Letters Patent No. 584,547, dated June 15, 1897.

Application filed January 11, 1897. Serial No. 618,753. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN GOLDSMITH, a citizen of the United States, residing at Connellsville, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Rollers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in casters, and has for its object to provide an improved form of caster that will not drop from the furniture in case the corner be lifted.

The invention consists in certain novel features of construction and combination of parts, as hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is an elevation of the lower portion of a chair-leg equipped with my caster. Fig. 2 is a vertical section through the same. Fig. 3 is a horizontal section on the line *x x* of Fig. 2.

The numeral 1 indicates the leg of a chair, which is recessed, as shown at 2, to receive the caster.

At 3 is shown my improved socket, which consists of a cylindrical body having an opening through the top thereof. This socket is held in position by a collar 4, having lugs 5, through which are adapted to pass screws 6 to hold the same firmly in the end of the chair-leg. Upon the side of the socket 3 are formed lugs 7, preferably of cylindrical shape and two in number. When two in number, I prefer to place them diametrically opposite each other for reasons which will be plain from what follows. A roller-post 8 is provided at the lower end with a bifurcation 9, in which is located the usual caster-roller 10. This post is provided with an elongated upper portion 11, which projects through the opening in the top of the socket, and directly below its elongated portion is a collar 12, adapted to bear against the opening in the top of the socket and prevent the post from slipping therein. A similar collar 13 is located just below the collar 4 and serves the same purpose. On the part which lies within the socket 3 is formed a spherical portion 14. This portion is formed in such position that when the post is inserted in the socket the center of said spherical portion will lie approximately in line to the center of the lug 7, heretofore described. Clips 15, provided with a concave surface adapted to fit the surface of the portion 14, are located on the post 8. These clips are provided with extensions 16 the better to cause them to slide on the lugs 7. In each of these lugs 7 are further located stiff springs 17, which are adapted to urge the clips 15 into close engagement with the spherical portion of the post 8. These springs are both fastened to the socket and to the clip, thus preventing the latter from moving entirely off the lugs 7.

It is obvious from this construction that when the post is placed within the socket the upper end thereof will force the clips apart and that they will spring in on the spherical portion, thus holding the post from falling out of the socket.

I thus provide a simple, cheap, and improved device of the class described well adapted for use with heavy furniture. It is obvious that this device may be constructed in two equal halves, one of the lugs hereinbefore referred to being in each half, and it is sometimes preferable to do this. I therefore do not confine myself to the form made in one piece.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In a furniture-caster, the combination with a socket, of lugs on the side thereof, clips having a concaved surface, to slide on said lugs, a roller-post having a spherical portion adapted to be held within the said clips, and springs normally holding said clips in contact with said spherical portion.

2. In a furniture-caster, the combination with a socket having an opening at the upper end thereof, of lugs diametrically disposed therein, a post having an extended portion adapted to pass through said opening in the top of the socket and a spherical portion about the center thereof, clips each provided with a sphero-concave surface adapted to bear against the spherical surface of the post, springs attached to said clips and said socket normally urging said clips into contact with

said spherical portion, and a collar at the lower end of said socket adapted to retain the same in position.

3. In a furniture-caster, the combination with a socket having an opening at the upper end thereof, of a collar having lugs thereon adapted to hold said socket in position, cylindrical diametrically-disposed lugs in the interior of the socket, a post, a roller held to rotate at the lower end of said post between angularly-bifurcated arms, a collar on said post adapted to bear against the inside of said socket at the top, and a collar at the bottom thereof, a spherical portion on said post, sphero-concave clips adapted to slide on the lugs on the inside of said socket, and springs attached to said clips and said sockets, normally urging said clips into contact with said spherical portion of the post.

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

BENJAMIN GOLDSMITH.

Witnesses:

JNO. HENRY WHITE,

J. W. GOLDSMITH.