

A. H. NELLER.  
 CASTER MOUNTING.  
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1,155,607.

Patented Oct. 5, 1915.

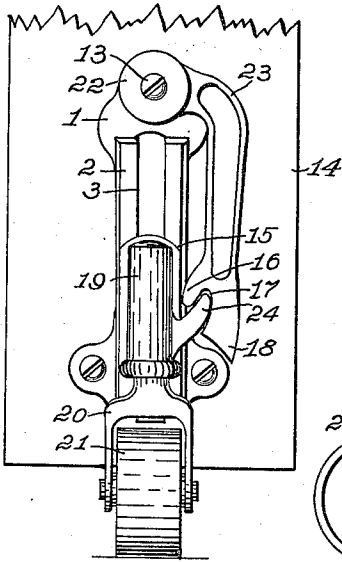


Fig. 3.

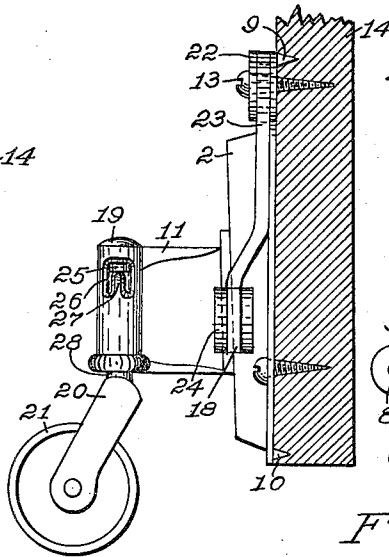


Fig. 4

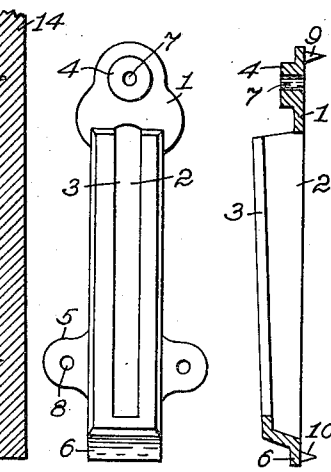


Fig. 6. Fig. 7.

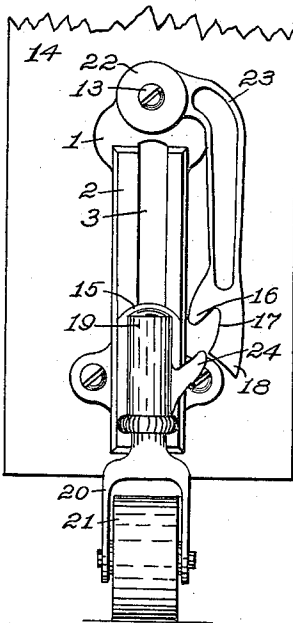


Fig. 1.

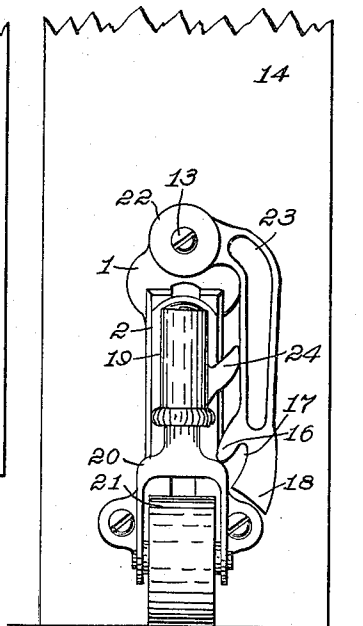


Fig. 2.

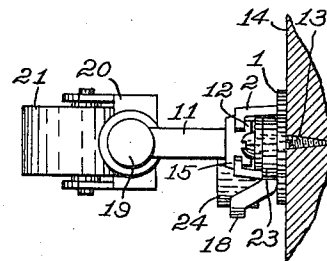


Fig. 5.

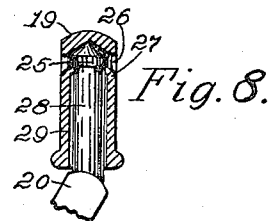


Fig. 8.

Witnesses:  
*Earl Stanton*  
*G. M. Whitlow*

Inventor,  
*Albert H. Neller*, by  
*G. B. Kennedy*,  
 Attorney.

# UNITED STATES PATENT OFFICE.

ALBERT H. NELLER, OF FAIRFIELD, IOWA, ASSIGNOR OF ONE-THIRD TO IRVING L. EALES AND ONE-THIRD TO FRANK S. BOIES, BOTH OF FAIRFIELD, IOWA.

## CASTER-MOUNTING.

1,155,607.

Specification of Letters Patent.

Patented Oct. 5, 1915.

Application filed March 1, 1915. Serial No. 11,195.

*To all whom it may concern:*

Be it known that I, ALBERT H. NELLER, a citizen of the United States of America, and a resident of Fairfield, Jefferson county, Iowa, have invented certain new and useful Improvements in Caster-Mountings, of which the following is a specification.

My invention relates to improvements in caster mountings, and the object of my improvement is to supply for the legs of washing-machine tubs, mechanics' work benches, stoves, articles of furniture or the like, means for movably seating and detachably securing casters thereon, adapted for convenient use in either placing the casters in operative location below and with relation to the article supported, but which may also be readily returned to their initial positions, when it is desired to have the article stand unsupported by the casters. This object I have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which:

Figure 1 is a front elevation of one of my improved caster mountings, as secured upon the leg of a tub or other article, and in a position where the caster is below the level of the leg, but as yet not secured thereby by the detachable fastening-means. Fig. 2 is a like front elevation of said device, showing the caster elevated with relation to said leg and the latter resting unsupported thereby. Fig. 3 is a like elevation of the device with the caster secured to said leg by the detachable fastening-means, and supporting said leg detachably. Fig. 4 is a side elevation of said device. Fig. 5 is a plan view of the device. Fig. 6 is a front elevation of the slideway of said device. Fig. 7 is a medial longitudinal section of said slideway. Fig. 8 is a fragmentary vertical section of the caster-spindle bearing.

Similar numerals of reference denote corresponding parts throughout the several views.

My improved caster-mounting is primarily intended for use on the legs of a tub or washing-machine, but may be as conveniently and appropriately employed on any article of furniture or supported body.

The numeral 14 denotes the lower part of a leg or support of a tub or other body. Upon this leg a casting 1 is detachably se-

cured by means of screws 13 or other fastening means passed through orifices 7 and 8 in lugs or ears 1 and 5, the orifice 7 passing centrally through a cylindrical boss 4 on the ear 1. Said casting has a hollow part 2 raised above the level of the leg 14, and provided with a vertically arranged deep groove or slot 3 terminating just above the lower sloped part 6 whose lower horizontal edge serves as means for registering the bottom of the casting with the lower end of said leg. The casting 1 also has integral pointed studs on its reverse face adapted to be driven into the abutting face of the leg 14 to aid in preventing sidewise movement of the casting. The numeral 12 denotes a slide seated within the hollow of said casting and having a shank or bracketed part 11 extending outwardly through the slot 3 and carrying a tubular bearing 19 on its outer end. The interior bore 29 of said bearing is open at the bottom, closed at the top, and receives the cone-topped spindle 23 of the forks 20 of a caster-wheel 21 rotatably. The upper end of said spindle is beaded at 25 on the side and has a pointed head which carries the full weight of the supported body, and being pointedly pivoted, makes a free and easy moving swivel at 25 and an opening 26 formed in the bearing 19 leaves a tongue-part 27 adapted to be sprung inwardly under said bead to retain the spindle in the bearing, without interfering with its rotation or rocking horizontally therein. The slide bracket has also an integral escutcheon or plate 15, one lateral edge of which is formed with a detent 24 and an elongated depending swinging pawl 23 is suspended pivotally on the boss 4 of said casting and retained thereon by a washer 22 and a screw 13. This pawl has its lower end formed into an offset tooth 16 and an oblique part 18 having the root cavity 17 between them and the pawl is located to hang adjacent to the detent 24, the detent 24 being formed and adapted to fit into and become engaged with the walls of the cavity 17 of said pawl when the latter is moved past it slowly enough to permit gravity to act on the pawl to seat its cavity 17 about the detent 24.

In the drawings, Fig. 1 shows the positions of the parts of the device when the body 14 is lifted, and in which the slide

drops under the action of gravity to its low-  
 ermost position, with the caster-wheel 21  
 entirely below the lower limit of said body,  
 and the pawl 23 having its detent disen-  
 5 gaged from the detent 24 of said slide. In  
 Fig. 2 is shown the positions of the parts of  
 the device when the leg 14 is resting directly  
 upon the supporting surface, with the slide  
 and caster pushed to their uppermost limits  
 10 of movement, the pawl 23 having its tooth  
 16 below and disengaged from the detent 24.  
 This position may be effected when the  
 parts are as in Fig. 1, by dropping the sup-  
 ported body 14 rapidly so that the oblique  
 15 edge of the part 18 of the pawl 23 slides  
 and bounces off from the sloping upper  
 edge of the detent 24, so that while swing-  
 ing outwardly, it simultaneously passes the  
 detent 24 before it has a chance to swing  
 20 back and engage it. In Fig. 3, the cavity 17  
 of said pawl is shown engaged with said de-  
 tent 24. This is effected by lowering the  
 leg 14 from its position in Fig. 1 slowly  
 which permits the pawl to move easily over  
 25 the detent 24 without swinging, so that by  
 the action of gravity, its cavity 17 engages  
 the detent 24, and the leg is fixedly support-  
 ed upon the caster 21 thereunder. When the  
 several legs of a tub or other article are  
 30 thus equipped, the same may be tilted so as  
 to cause the caster mount on each leg to be  
 acted upon separately, with a minimum of  
 effort, and very conveniently.

Having described my invention, what I

claim as new and desire to secure by Letters 35  
 Patent, is:

A caster mounting, comprising a verti-  
 cally grooved slideway mounted on a sup-  
 ported body, a slide mounted slidably in  
 said slideway and having a bearing for a 40  
 caster-spindle, a caster whose spindle is  
 mounted rotatably in said bearing, said  
 slideway permitting movement of the slide  
 to locate the caster below the lower limit of  
 the supported body, said slide having a 45  
 lateral detent and a pawl suspended on the  
 supported body above said slide and having  
 projections on opposite sides of a root  
 cavity, said pawl being adapted when moved  
 slowly past said slide to swing laterally to 50  
 engage the detent on the slide in said root  
 cavity to hold said body supported on the  
 caster, and also adapted when moved  
 rapidly past the slide to avoid the detent  
 thereon by having its projections bound off 55  
 therefrom too far to the side to become en-  
 gaged therewith when swung back, to thus  
 permit the slide and caster to be pushed up  
 and allow the supported body to rest on a  
 supporting surface without being supported 60  
 on the caster.

Signed at Fairfield, Iowa, this 10th day  
 of Feb. 1915.

ALBERT H. NELLER.

Witnesses:

JOHN F. READY,  
 B. F. LIBLIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
 Washington, D. C."