

H. D. BOLLINGER.
ADJUSTABLE CASTER.

APPLICATION FILED MAR. 7, 1911. RENEWED NOV. 13, 1911.

1,027,686.

Patented May 28, 1912.

Fig. 1.

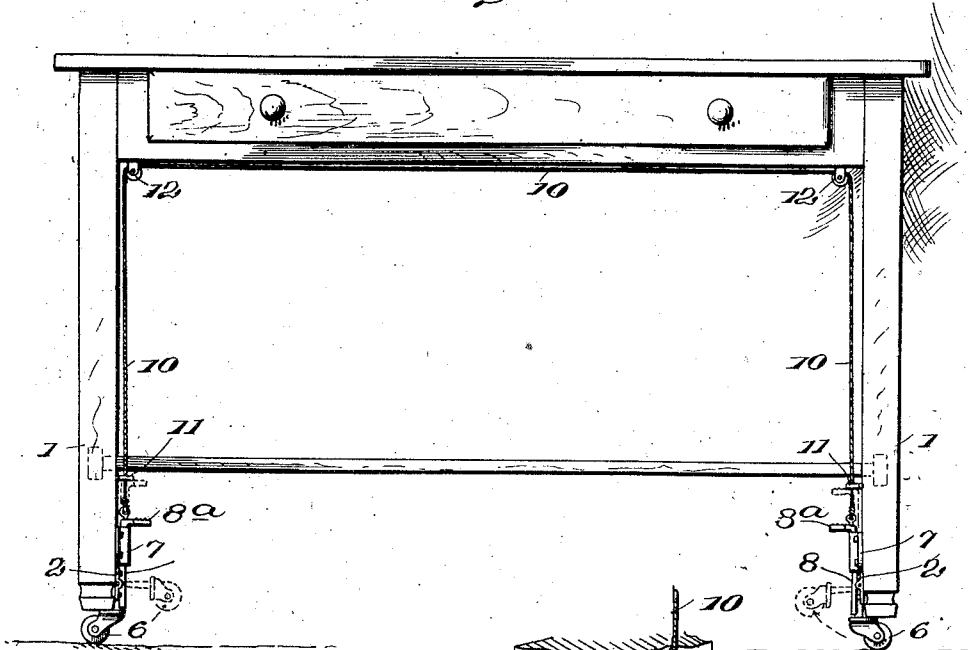
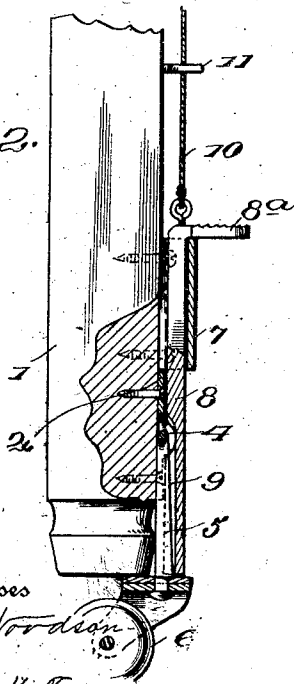
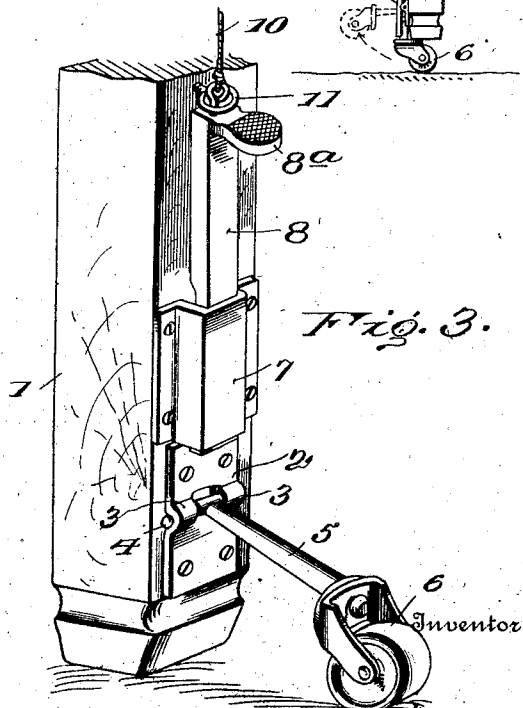


Fig. 2.



Witnesses
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Fig. 3.



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UNITED STATES PATENT OFFICE.

HARRISON D. BOLLINGER, OF GREAT FALLS, MONTANA.

ADJUSTABLE CASTER.

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Specification of Letters Patent.

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Application filed March 7, 1911, Serial No. 612,353. Renewed November 13, 1911. Serial No. 680,117.

To all whom it may concern:

Be it known that I, HARRISON D. BOLLINGER, a citizen of the United States, residing at Great Falls, in the county of Cascade and

State of Montana, have invented certain new and useful Improvements in Adjustable Casters, of which the following is a specification.

This invention comprehends certain new and useful improvements in casters for the legs of tables and other articles of furniture, and the invention has for its primary object a simple, durable and efficient construction of caster of the adjustable type, whereby the caster may be released whenever desired from its normal operative position so as to permit the legs of the table or the like to rest solidly on the floor, and whereby the caster shank may be securely held upright in its normal operative position when it is desired to roll the article of furniture from one place to another. And the invention also has for its object to generally improve this class of devices and to render them more useful and commercially desirable.

With these and other objects in view, as will more fully appear as the description proceeds, the invention consists of certain constructions, arrangements and combinations of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a view illustrating one application of my invention, the device being shown as applied to a table which is illustrated in side elevation; Fig. 2 is a vertical longitudinal sectional view of one of the casters, the parts being shown partly in section; and Fig. 3 is a perspective view illustrating the caster in an inoperative position.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawing by the same reference characters.

Referring to the drawing, the numeral 1 designates the leg of an article of furniture which in the present instance is a table, selected for the purposes of illustration only. A slotted plate 2 is secured, by screws or similar fastening devices to one side of the leg 1, near the lower end of the latter, said plate being formed on opposite sides of its

slot with bearing ears 3, in which oppositely projecting trunnions 4 are mounted to turn. The trunnions 4 are formed on one end of a shank 5, and to the other end of said shank a swiveled roller 6, of any desired type or character, is connected.

A casing 7 is secured in any desired way to the side of the leg 1 above the plate 2, and a locking bolt 8 is mounted to move vertically in the casing 7 so as to be engaged with and disengaged from the outer side of the shank 5, as required. The inner edge of the locking bolt 8 is formed with a longitudinal groove 9 the walls of which are designed to fit over and partially around the shank 5 so that when the caster is in its operative position, the locking bolt will not only hold the shank securely against the side of the leg, but will prevent it from skewing or moving laterally in a plane parallel to the plane of said side, thereby relieving the trunnions 4 and bearing ears 3 from undue strain.

In the present embodiment of the invention, a locking bolt at one side of the table or other article of furniture is secured to a corresponding opposite locking bolt by means of a chain 10 or similar flexible connection, the chain passing through screw eyes 11 secured to the sides of the legs and over pulleys or rollers 12 secured to convenient portions of the table or the like, whereby two locking bolts may be simultaneously raised by merely pressing down upon an intermediate portion of the chain which connects them. Preferably the locking bolt 8 is formed at its upper end with a laterally projecting head 8^a, which may be easily engaged by the hand or toe so as to raise the locking bolt in this way.

From the foregoing description in connection with the accompanying drawing, the operation of my improved adjustable caster will be apparent. In the practical use of the device, the pivotally mounted shank 5 of the caster is normally held securely against the side of the leg to which it is connected, by the engagement of the longitudinally grooved locking bolt 8 slipped down over and partially around the shank. Whenever it is desired to lower the leg so that it may rest stationary and solidly on the floor, it is only necessary to raise the locking bolt 8, whereupon the shank 5 may easily swing out and assume an inclined position relative

to the leg which will thus lower and rest upon the floor, the caster wheel or roller resting idly on the latter.

It is evident that the device may be made very cheaply and that it is composed of comparatively few parts that may be readily assembled and that will be durable and not liable to get out of order.

It is obvious that in addition to its function as a guide for the chain 10, the screw eye 11 serves as a stop to limit the upward movement of the locking bolt.

What I claim is:

1. The combination with an article of furniture provided with a leg, of a caster embodying a shank pivotally connected to the leg, and a locking bolt slidingly mounted upon the leg and arranged to extend down over the shank to hold the latter rigidly against the adjoining side of the leg.

2. A caster of the character described,

comprising a plate formed with ears, a shank formed with trunnions journaled in said ears, a casing, and a locking bolt mounted for a longitudinal movement in said casing and designed to extend over the shank, the bolt being formed on its inner edge with a longitudinal groove designed to extend partially around the shank.

3. An adjustable caster comprising a shank formed with trunnions, a slotted plate formed on opposite sides of its slot with bearing ears in which the trunnions are journaled, a casing adapted to extend over the shank, and a locking bolt movable longitudinally in said casing.

In testimony whereof, I affix my signature in presence of two witnesses.

HARRISON D. BOLLINGER. [L. S.]

Witnesses:

JACOB SPENGLER,

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