

UNITED STATES PATENT OFFICE.

ERNEST DEVINE, OF CHICAGO, ILLINOIS.

ADJUSTABLE CASTER.

No. 885,024.

Specification of Letters Patent.

Patented April 21, 1908.

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To all whom it may concern:

Be it known that I, ERNEST DEVINE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Adjustable Casters; 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.

My invention relates to new and useful improvements in means for attaching casters to stoves, furniture, or similar articles adapted to be moved from place to place and my object is to provide means for adjusting the casters, whereby the articles may rest upon their supporting legs, or upon the casters direct.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is a perspective view of one corner of a stove base, showing a caster secured thereto. Fig. 2 is a sectional view through the base and supporting leg therefor, showing the manner of mounting and adjusting the caster, and, Fig. 3 is a plan view of a wrench employed for operating the caster adjusting mechanism.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a base which, in this instance, represents the base of a stove, to the corners of which are secured in any preferred manner, supporting legs 2. The lower ends of the legs 2 are preferably provided with a recess 3 formed by cutting away the inner, lower edge of the leg, or providing the leg with a curved part 4, said terminal being adapted to normally rest upon the floor or other suitable point and support the base.

When it is desired to move the article from place to place, I provide the usual or any preferred form of caster 5, which caster is provided with a stem 6, said stem extending vertically through a socket 7, in that portion of the leg above the recess.

The socket 3, adjacent its upper end, is provided with threads 8 to receive the threaded end 9 of an adjusting bolt 10, said adjusting bolt being introduced into the enlarged upper end of the socket 7 and the unthreaded portion 11 thereof being provided

with square faces, with which is adapted to engage the bifurcated end 12 of a wrench 13, and by which means the bolt is adjusted longitudinally in the upper end of the socket.

In order to readily apply the wrench to the squared portion of the bolt 10, the leg 2 is provided with a slot 14, which is disposed horizontally in the upper end of the leg 2, and extends inwardly from one face of the leg and intersects the socket 7 at a point above the threads in the socket, whereby when the wrench is introduced into the slot, the squared portion of the bolt 10 will be engaged and the slot is of sufficient length to allow the wrench to readily swing laterally to rotate the bolt.

In adjusting the caster downwardly, when it is desired to move the object to which it is attached, the wrench 13 is applied and the bolt 10 turned downwardly in the threaded portion of the socket 7, which will result in lowering the caster and elevating the lower end of the leg out of engagement with the object on which it is resting, the weight of the article then being supported by the caster and, as the stem is swivelly mounted in the socket 7, the article can be moved to any suitable point and when properly located, the wrench is again applied and the bolt 10 moved upwardly in the socket, whereupon the article to which the caster is attached, will descend and again rest upon its supporting legs.

It will thus be seen that I have provided a very cheap and economical means for adjustably securing a caster to the legs of a stove or other objects and further that the caster may be readily extended to support the weight of the stove and, while I have shown a particular form of supporting leg for receiving the caster, it will be readily understood that any suitable form of leg may be employed having a solid upper end in which to form the socket for the reception of the stem and it will likewise be seen that with such changes as clearly fall within the scope of my invention, the caster and adjusting mechanism therefor may be secured to the legs of various articles.

What I claim is:

1. The herein described means for adjustably attaching a caster to an object, comprising the combination with a supporting leg having a vertically disposed socket therein, of a caster, a stem on said caster adapted to enter said socket and adjustable means

above the end of said stem engaging the wall of said socket and resting on the end of said stem adapted to elevate the supporting leg and dispose the weight on the caster.

5 2. The herein described means for adjustably securing a caster to an object, comprising the combination with a supporting leg having a vertically disposed socket there-
10 through, threads adjacent the upper end of said socket, said supporting leg also having a slot intersecting said socket adjacent its upper end, said slot being flared, of a caster, a stem on said caster adapted to enter said
15 socket, a bolt in the upper end of said socket and above the stem adapted to direct pressure on the upper end of said stem, threads on said bolt adapted to engage the threads in the socket and means to rotate said bolt
20 whereby the supporting leg will be raised or lowered.

3. The herein described means for adjustably attaching a caster to an object, comprising the combination with a supporting

leg having a socket extending vertically therethrough and a slot extending inwardly 25 from one face of the supporting leg and intersecting said socket and threads adjacent the upper end of the socket; of a caster, a stem on the caster adapted to enter said socket, a bolt in the upper end of said socket, threads 30 on the lower portion of said bolt adapted to engage the threads in the socket, the remaining portion of said bolt being squared and a wrench adapted to extend through the slot and engage the squared portion of the bolt, 35 whereby, when the wrench is swung laterally, the bolt will be turned and the supporting leg raised or lowered on said stem.

In testimony whereof I have signed my name to this specification in the presence of 40 two subscribing witnesses.

ERNEST DEVINE.

Witnesses:

EMIL WINTER,
ERNEST BARTHOLD.