

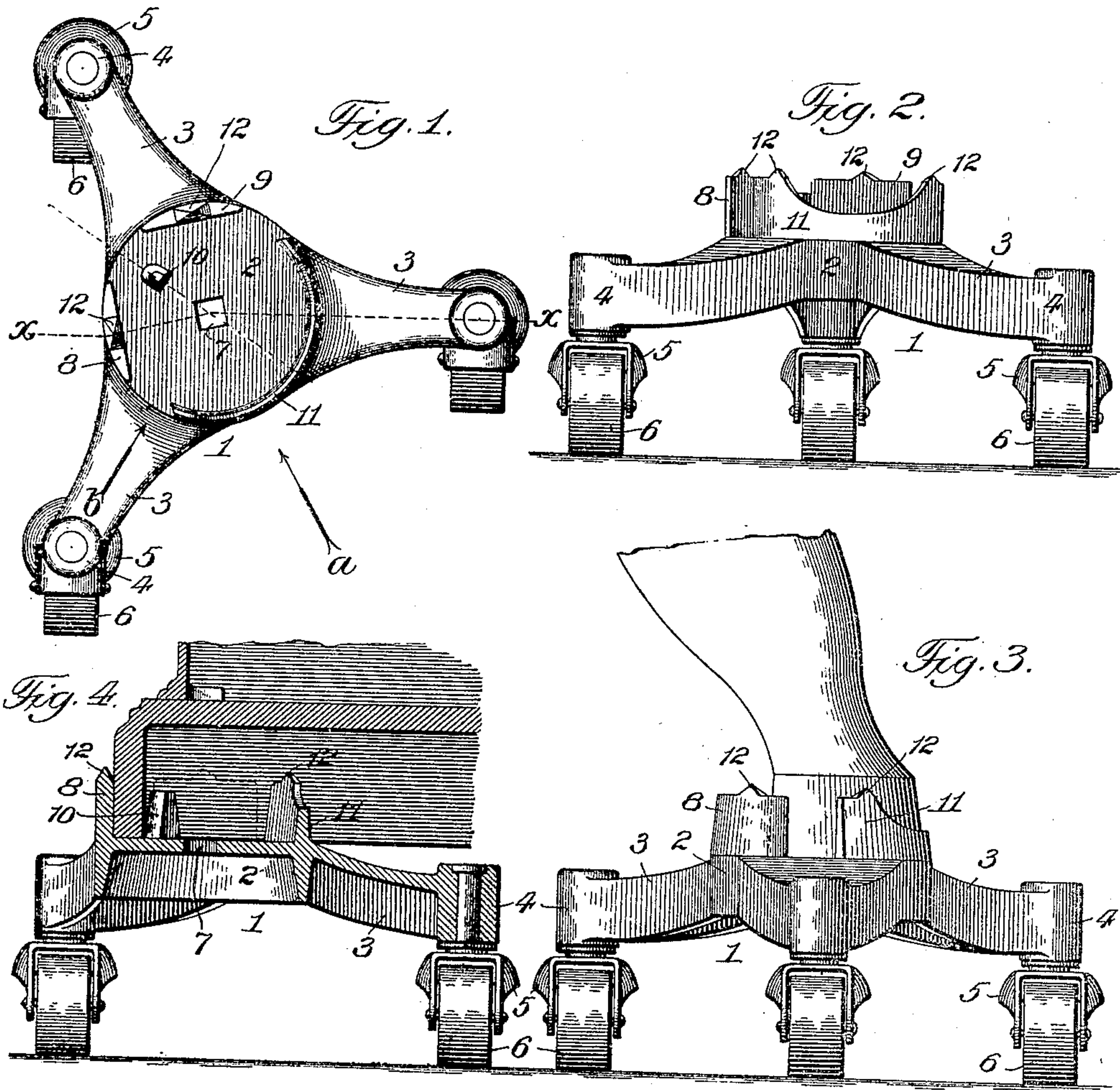
No. 824,422.

PATENTED JUNE 26, 1906.

J. M. HARPER.

CASTER.

APPLICATION FILED DEC. 15, 1902.



Attest:  
John Enders Jr.  
M. H. Holmes.

Inventor:  
James M. Harper,  
by Robert Burns  
Attorney.



# UNITED STATES PATENT OFFICE.

JAMES M. HARPER, OF CHICAGO, ILLINOIS, ASSIGNOR TO HARPER SUPPLY CO., OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

## CASTER.

No. 824,422.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed December 15, 1902. Serial No. 135,187.

*To all whom it may concern:*

Be it known that I, JAMES M. HARPER, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Casters, of which the following is a specification.

This invention relates to that class of stove-casters in which a cluster of caster-wheels is attached to a common connecting-frame, and has for its object to provide a simple and efficient structural formation of the frame whereby the same is adapted to receive and support a stove or range by means of the legs or bottom rim of such articles, all as will hereinafter more fully appear.

In the accompanying drawings, illustrative of the present invention, Figure 1 is a plan view of a frame for cluster-casters embodying the present invention; Fig. 2, a side elevation of the same in the direction of the arrow *a*, Fig. 1; Fig. 3, a similar view in the direction of the arrow *b*, Fig. 1, and illustrating the application of the present caster to the leg of a stove. Fig. 4 is a vertical sectional elevation at line *x x*, Fig. 1, and illustrating the application of the caster to the base of cooking-range.

Similar numerals of reference indicate like parts in the several views.

Referring to the drawings, 1 is the connecting-frame, which in the present improvement consists of a main central inverted-cup-shaped portion 2 and radially-extending arms 3, arranged symmetrically and preferably three in number, as shown. Each radial arm 3 is integral with the main cup portion 2 and is of a shell form comprising a horizontal top web and two vertical side webs, as illustrated in Figs. 4 and 5, and which special formation, in connection with the central cup formation, is adapted to afford a very light, strong, and substantial frame for the purposes of the present invention.

4 represents connecting-eyes at the respective outer ends of the radial arms 3, formed in any usual manner, which adapts them for the attachment of the carrying-housings 5 of the caster-wheels 6 of any usual and well-known form.

7 is a central orifice in the horizontal top web of the cup-shaped portion 2 of the frame for the passage of an attaching screw-bolt

when it is desired to make the present caster-frame a fixture on the article to which it is applied.

8 and 9 are marginal vertical extensions upon the upper end of the central portion 2 of the frame arranged at right angles to each other and in separate relation, as shown.

10 is a vertical post upon the upper end of the central portion 2 of the frame and arranged midway of the vertical extensions 8 and 9 aforesaid and a distance in from the margin of said central portion, so as to constitute, in connection with the vertical extensions aforesaid, a holding-pocket for the bottom rim of an ordinary range or other like article, as illustrated in Fig. 4, and afford a ready and substantial connection of the caster to such articles.

11 is a segmental-shaped vertical extension upon the upper end of the central portion 2 of the frame, arranged in opposed relation to the pair of vertical extensions 8 and 9 aforesaid and adapted, in connection with the same, to constitute a pocket for receiving and holding against horizontal disengagement the leg of an ordinary stove, as illustrated in Fig. 3.

12 represents a series of pointed projections or spurs upon the upper ends of the aforesaid extensions 8, 9, and 11 to afford an additional attaching means when the present caster is used beneath a wooden article.

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

A frame for stove-casters and the like, formed with an inverted-cup shape central portion, the rim of which is cut away to form a pair of vertical extensions in angular and separated relation, and said vertical portion having a vertical post arranged in from the margin of said central portion and midway of the vertical extensions in a manner which adapts the device to receive either a stove-leg or a bottom rim of an ordinary range, substantially as set forth.

Signed at Chicago, Illinois, this 8th day of December, 1902.

JAMES M. HARPER.

Witnesses:

ROBERT BURNS,  
M. H. HOLMES.