

(No Model.)

B. H. NOELTING & U. FREDRICKSEN.
CASTER.

No. 538,342.

Patented Apr. 30, 1895.

Fig. 1.

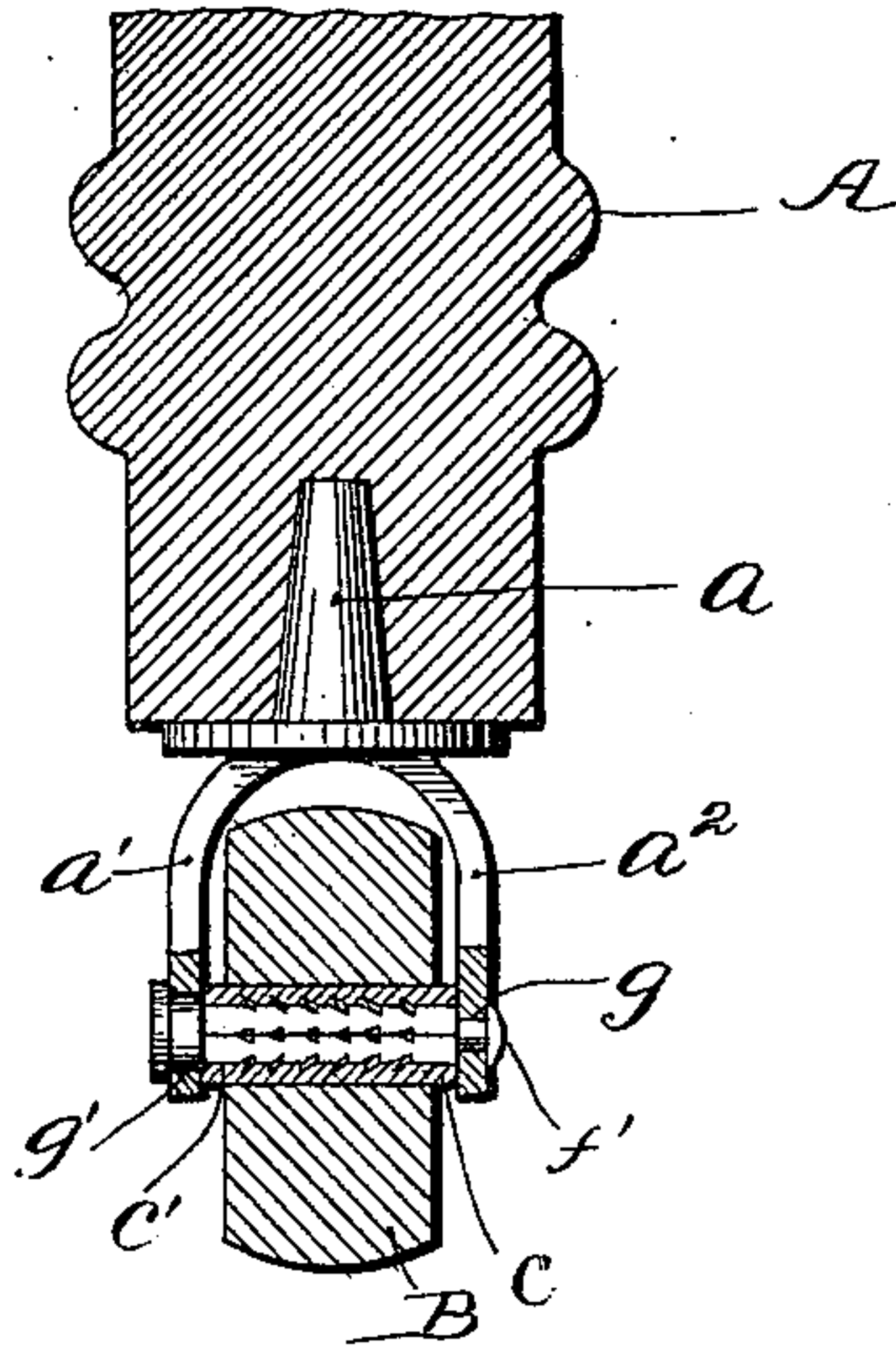


Fig. 2.

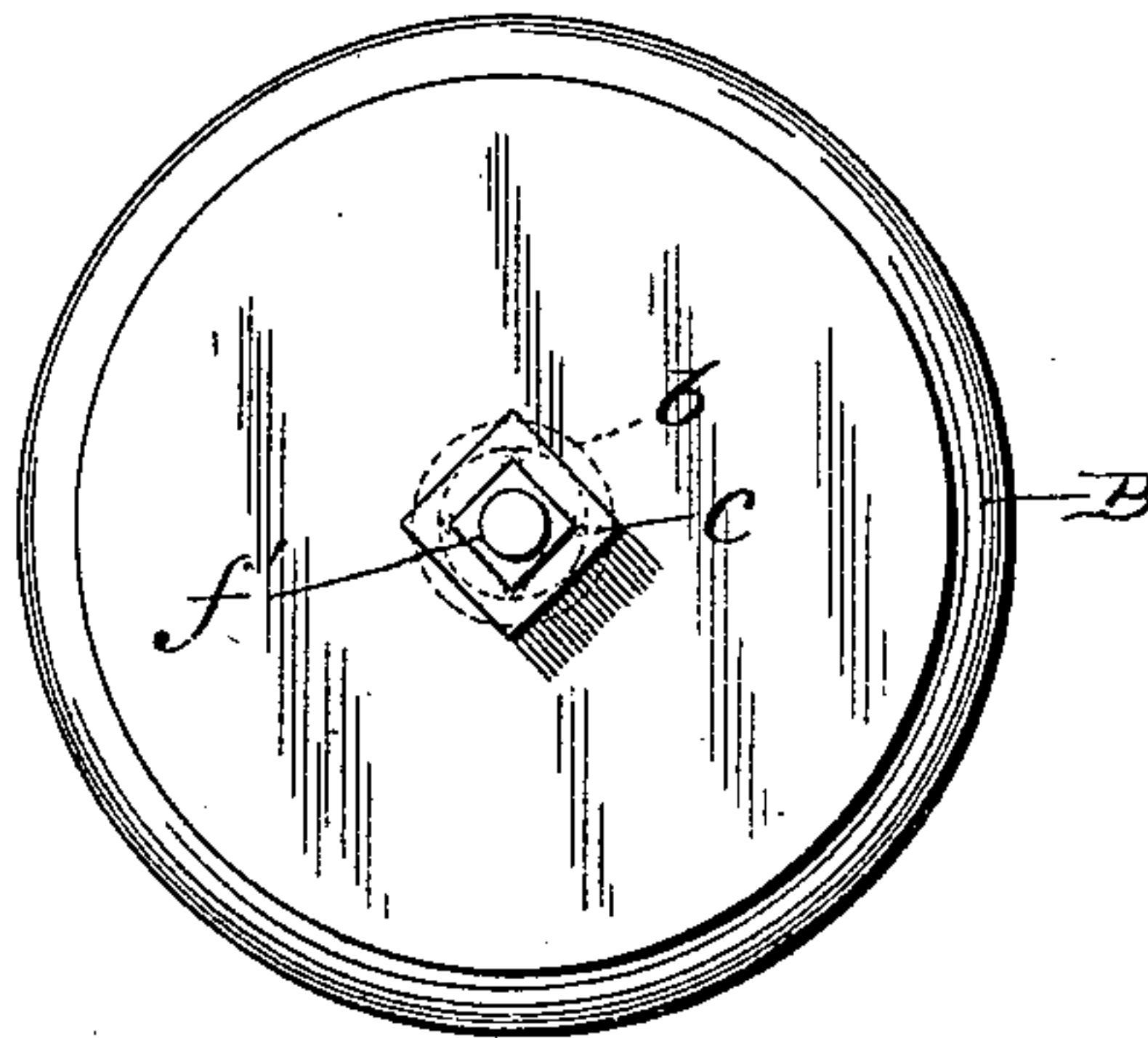


Fig. 4.

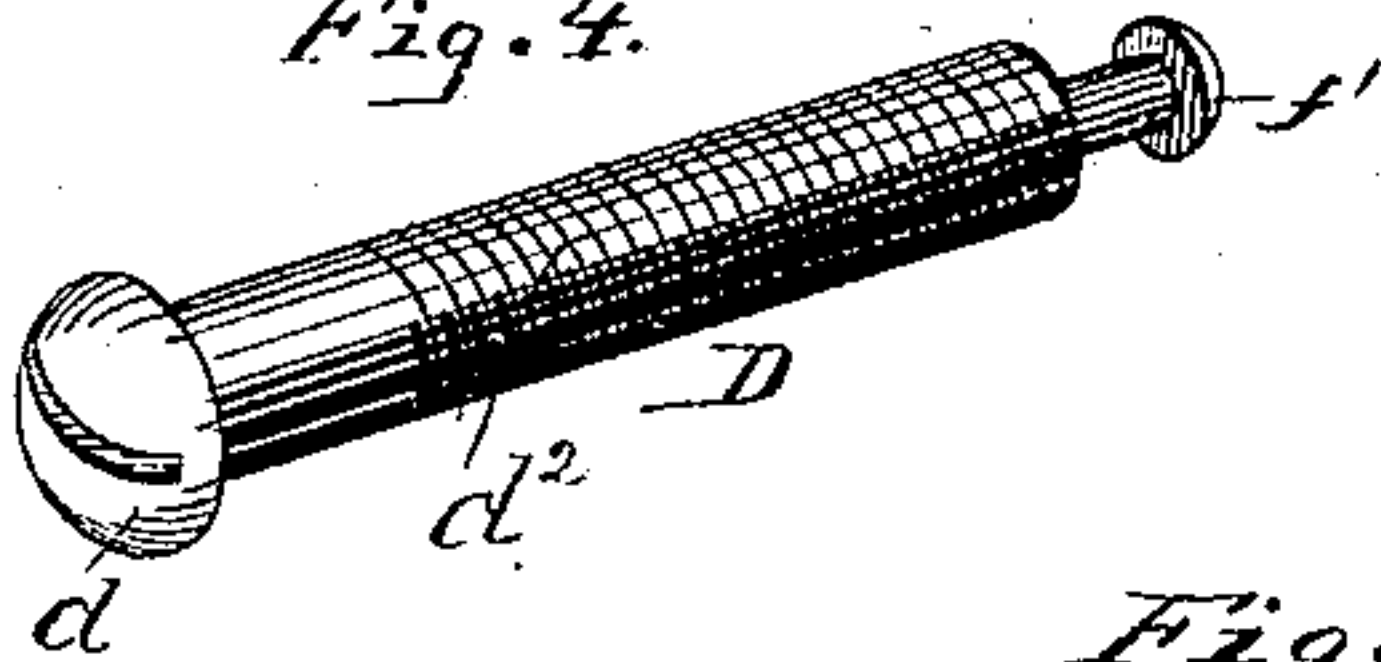
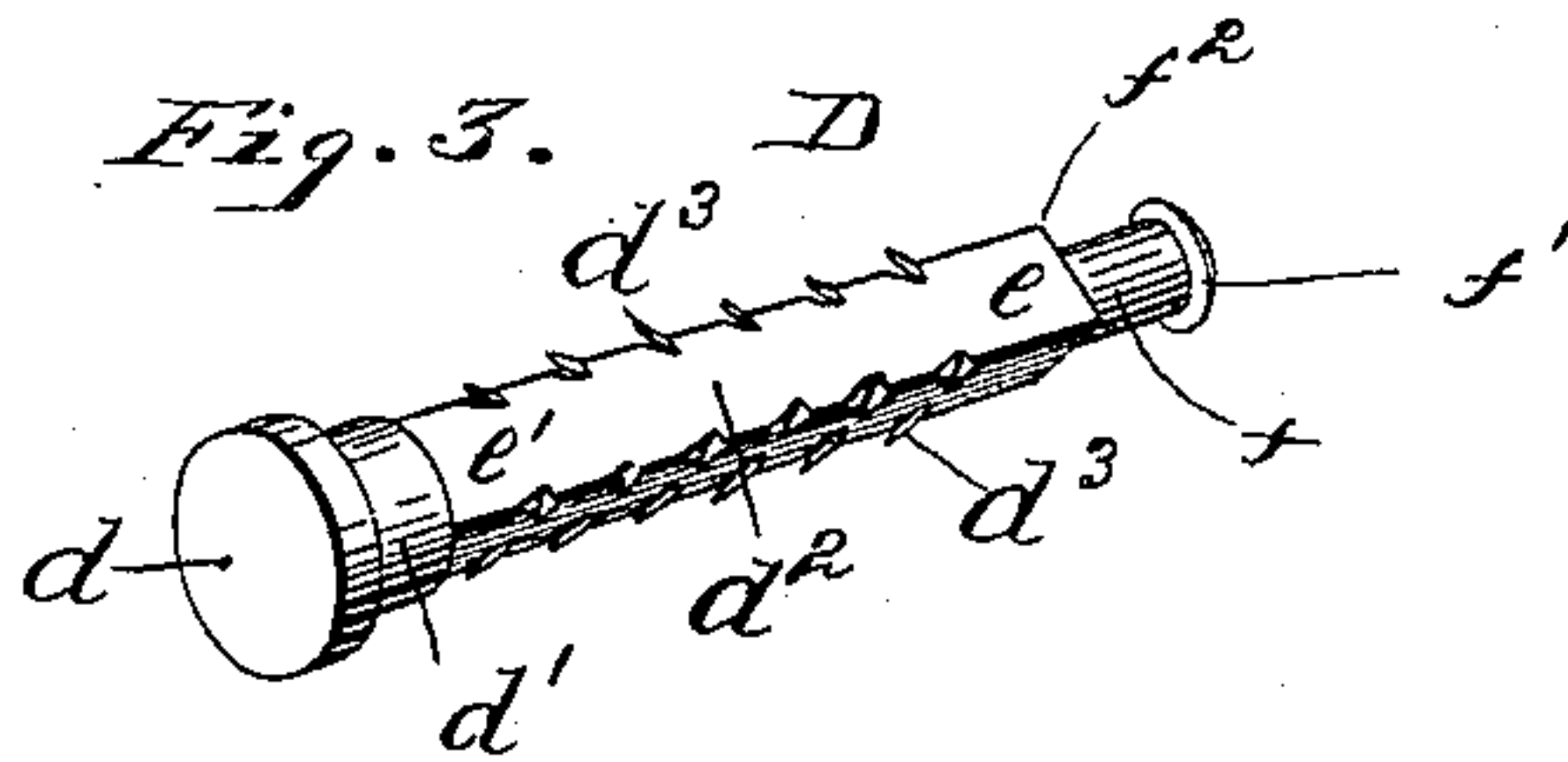


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE

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CITY, NEBRASKA.

CASTER.

SPECIFICATION forming part of Letters Patent No. 538,342, dated April 30, 1895.

Application filed July 2, 1894. Serial No. 516,300. (No model.)

To all whom it may concern:

Be it known that we, BERNHARD HENRY NOELTING and ULRICH FREDRICKSEN, citizens of the United States, residing at Nebraska City, in the county of Otoe and State of Nebraska, have invented certain new and useful Improvements in Casters; and we 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.

Our invention is a new "caster;" and consists in the novel construction and arrangement of its parts.

In the accompanying drawings, Figure 1 is a vertical sectional view of the caster. Fig. 2 is a side elevation of the wheel. Fig. 3 is a perspective view of the pin or axle. Fig. 4 is a modified form of our pin or axle.

Our invention is described as follows:

A, is a foot piece of a piece of furniture.

a , is the shank of the caster.

a' , represents one arm and a^2 , the other arm of the bearings.

B, is the caster-wheel having an opening represented by the dotted lines b . c , represents a plug which fits in said opening b . Said plug is provided with a central opening c' .

D, is the caster axle or pin, having on its large end a circular head d , and just inside of said head a cylindrical neck d' , and still inside of said head a body d^2 , provided with spurs d^3 , that point back in the direction of the head d . The front end e , of said body is slightly smaller than its rear end e' , so that it may be entered and easily driven into the opening c' , and when so in, it is firmly held in place by the said spurs d^3 .

The modified form of the axle or pin D, is exactly like the form shown in Fig. 3 except the body d^2 , is cylindrical instead of square and is provided with screw threads instead of spurs. The smaller end of said axle is provided with a cylindrical neck f , leaving a shoulder f^2 , and on the extreme end of said neck is hammered a head f' , after the axle has been put in place.

The opening b , in the caster may be circular or square, and the plug c , that fits in the same, may be circular or square, as shown by the square and circular (dotted) lines in the

center of Fig. 2 and the body d^2 , of the axle, may be cylindrical or rectangular, the point of the invention being, that the wheel may have a central opening and that said central opening may be filled with a perforated plug and that the axle D, may fit in the perforation of said plug and be held therein by spurs of said axle and the construction is such that the bearing g , in the arm a^2 , is much smaller than the bearing g' , in the arm a' . The bearing g' , is large enough to allow the body d^2 , with its spurs d^3 , to freely pass through the same, and the circumference of the neck d' , is greater than the greatest distance between the opposite spurs of the body, and the said neck exactly fits in the bearing g' , of the arm a' , and the neck f , exactly fits in the bearing g , of the arm a^2 .

In putting the invention together we put the perforated plug c , in place, then we put the wheel B, in between the arms a' , a^2 ; then we put the axle D, through the bearing g' , then through the opening c' , and drive it in tightly, until the wheel stands exactly equidistant from the inner faces of said arms, the neck f , being through the bearing g ; then we beat a head f' , on the outer end of said neck the shoulder f^2 , bearing against the inner face of the arm a^2 , and the inner face of the head f' , bearing against the outer face of said arm, keeps the wheel exactly in position, and prevents it from rubbing against the inner face of either of said arms.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination of the shank a , provided with the arm a' , having a large bearing g' ; an arm a^2 , having a small bearing g ; caster-wheel B, provided with a central opening b ; plug c , filling said opening and provided with a central opening c' ; axle D, provided at its larger end with a head d , inside of said head a neck d' ; a body d^2 , having spurs d^3 , the greatest distance between the points of said spurs being less than the diameter of the neck d' , and on the small end of said axle a smaller neck f , leaving the shoulder f^2 ; and the head f' , on the extreme end of said neck, substantially as shown and described and for the purposes set forth.

2. The combination of the shank a , provided
with the arm a' , having a large bearing g ; an
arm a^2 , having a small bearing g ; caster-wheel
B, provided with a central opening b , plug c ,
5 filling said opening and provided with a cen-
tral opening c' ; axle D, provided at its larger
end with a head d , inside of said head a neck
 d' ; a body d^2 , adapted to fit in opening c' ,
and on the small end of said axle a small neck
10 f , leaving the shoulder f^2 , and the head f' , on

the extreme end of said neck, substantially
as shown and described and for the purposes
set forth.

In testimony whereof we affix our signa-
tures, in presence of two witnesses.

BERNHARD HENRY NOELTING.
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Witnesses:

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