

T. Beach,
Furniture Caster.

N^o 57,036.

Patented Aug. 7, 1866

Fig. 1.

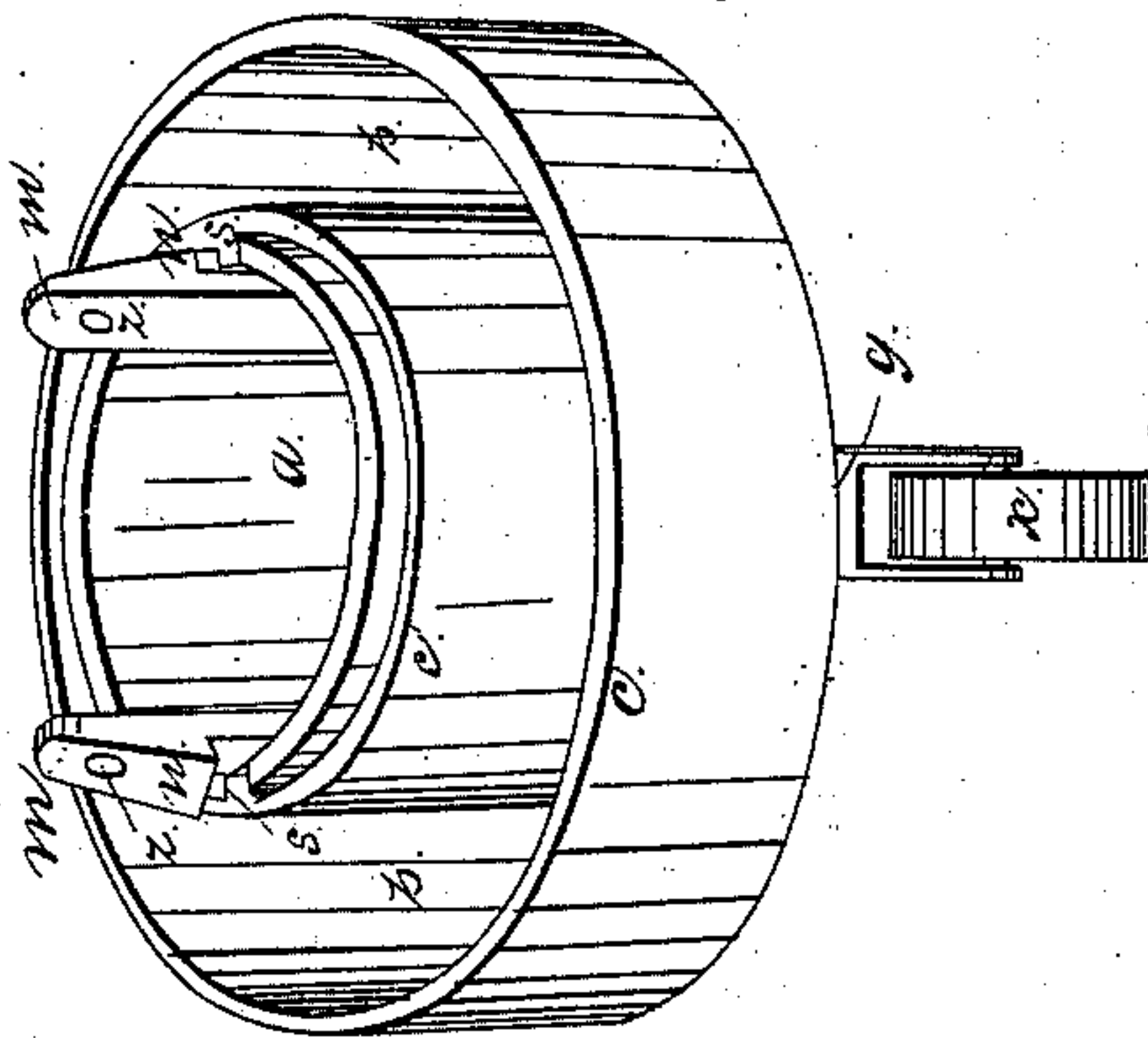


Fig. 2.

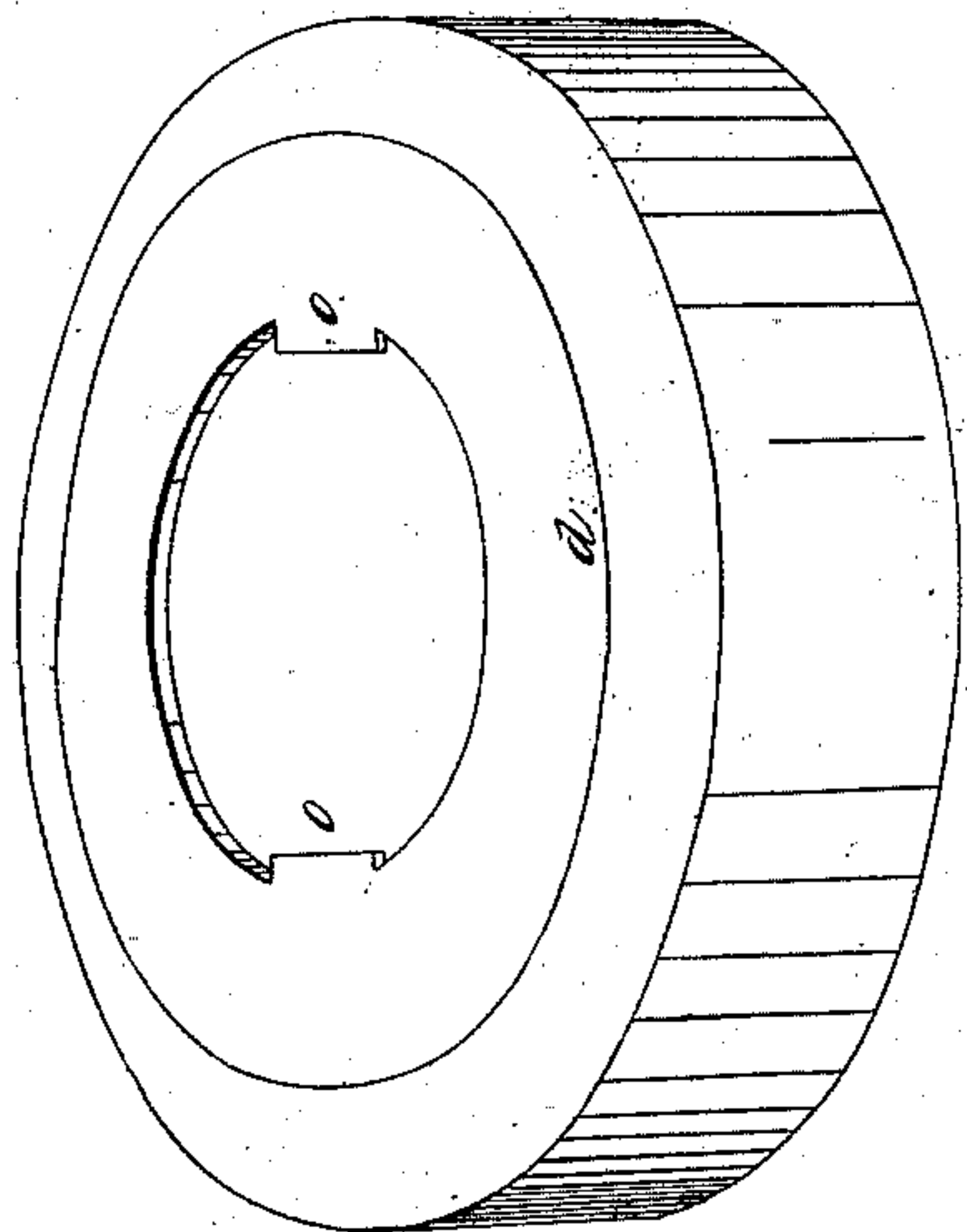
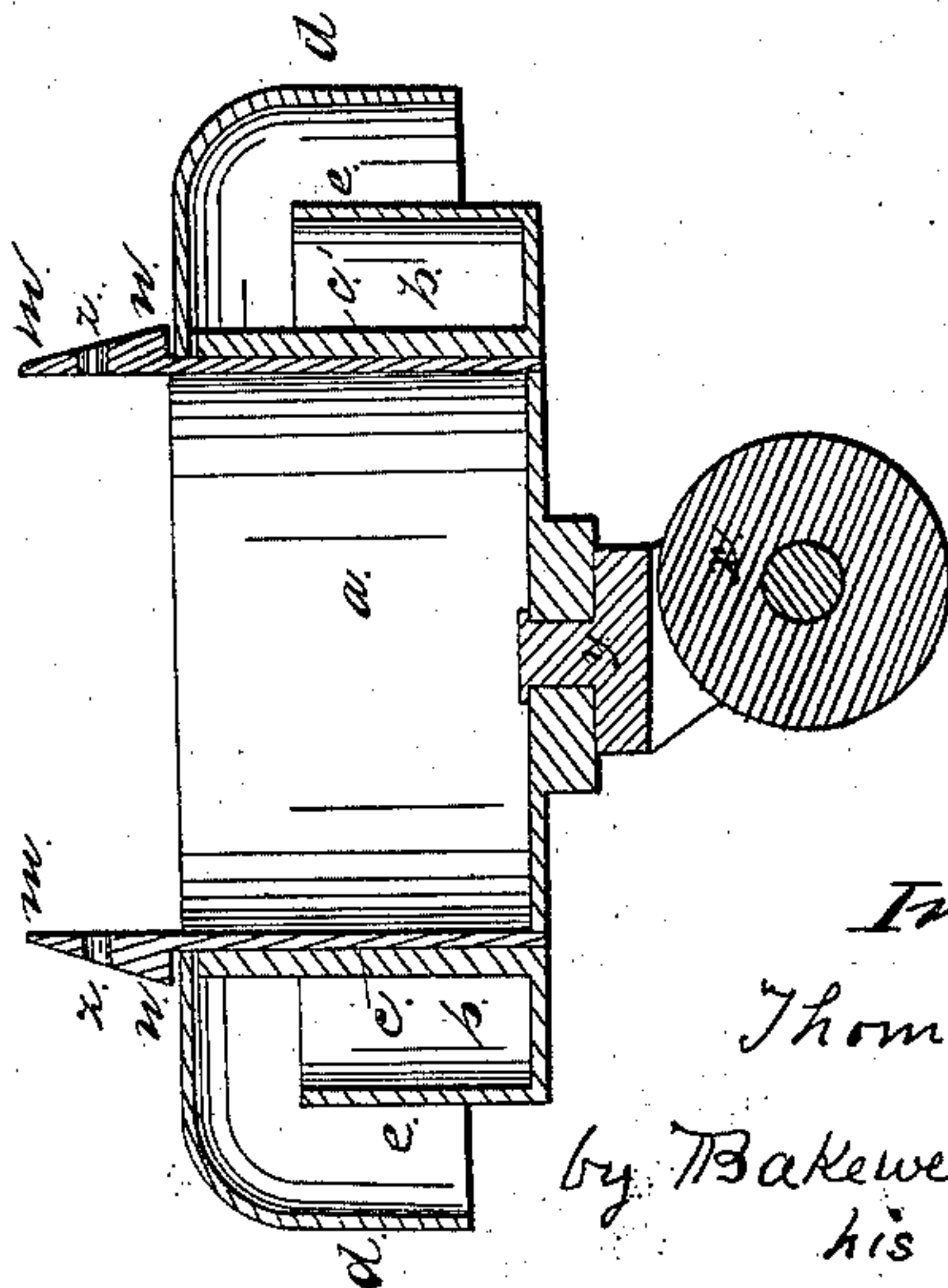


Fig. 3.



Witnesses:
W. D. Lewis
A. S. Nicholson

Inventor:
Thomas Beach
by Bakewell & Phistey
his Attorneys—

UNITED STATES PATENT OFFICE.

THOMAS BEACH, OF FREEPORT, PENNSYLVANIA, ASSIGNOR TO HIMSELF
AND STANLEY R. MOORHEAD.

IMPROVED CASTER.

Specification forming part of Letters Patent No. 57,036, dated August 7, 1866.

To all whom it may concern:

Be it known that I, THOMAS BEACH, of Freeport, in the county of Armstrong and State of Pennsylvania, have invented a new and useful Improvement in Casters for Bedsteads and other Articles of Furniture; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon, like letters referring to like parts of each, in which—

Figure 1 is a perspective view of the caster with the cap removed; Fig. 2, a perspective view of the cap, and Fig. 3 a vertical section with the cap in its place.

The nature of my invention consists in attaching to the common caster a socket surrounded with an annular metallic cup and cap, the cap being flanged downward over the cup at its outer edge, and at a sufficient distance from it to accomplish the objects hereinafter set forth.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

The wheel *x* and shank *y* of the caster I make of the ordinary form and of any known material. For the socket *a*, cup *b*, and cap *d*, &c., I employ any known fusible sheet or wrought metal adapted for the purpose.

I make the socket *a* large enough to receive the foot of the bedstead or other article of furniture, and of sufficient depth to be fastened firmly thereto. This socket *a* I encircle with an annular cup, *b*, of such width and depth as may be necessary to prevent insects or vermin from passing from its outer, *c*, to its inner, *c'*, cylinder, or to the cap *d*, hereinafter to be described. This annular ring or cup I partially fill with liquid, either poisonous or otherwise. The cap *d* is made to fit firmly on to the top of the socket by a shoulder, *e*, Fig. 1, and is flanged downward, as represented in Figs. 2 and 3, over and outside of the outer barrel of the annular cup, in order to keep bed-furniture or other articles, and the fingers of children also, from contact with the liquid in the cup, especially when, as is often the case, the cup contains a poisonous liquid.

Springs *m* are attached either to the bottom or the sides of the socket *a* to hold the cap *d*

firmly to its place, which they do by the shoulders *n n* projecting over the lips *o o* on the inner edge of the cap *d*, which lips *o o* fit into notches cut in the upper edge of the socket-barrel, as at *s s*, Fig. 1, or by projecting entirely over the edge of the socket-barrel and catching on the inner edge of the cap when such lips are not constructed.

I usually fasten the caster to the foot of the bed-post or other furniture by screws, nails, or bolts passing through the heads of the springs, as at *z z*, though I do not limit myself to this mode of fastening. For this purpose I employ any known mechanical device. Nor do I limit myself to the use of liquid in the annular cup *b*, as certain powders for some purposes are equally noxious, and equally a protection against the depredations of insects or vermin.

This device I apply to all articles of house-furniture or kitchen-furniture which need the protection referred to—to refrigerators, meat-safes, &c., as well as to wardrobes and bedsteads. I also thus secure the use of poisonous substances or compositions in the manner and for the purposes set forth without incurring the least danger. A child cannot get into the annular cup, nor articles of bed-furniture or wearing apparel, while vermin or wingless insects cannot get over it. It is free from dust and dirt, and can be readily taken off to be cleaned or to have the liquid or other contents renewed.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The cap *d*, secured to the socket-barrel by the shoulders *n n* or other equivalent device, and the annular cup *b*, the two being constructed, arranged, and combined substantially in the manner and for the purposes above set forth.

2. A furniture-caster having a socket, *a*, an annular cup, *b*, a cap, *d*, and springs *m m*, arranged and combined substantially in the manner and for the purposes above set forth.

In testimony whereof I, the said THOMAS BEACH, have hereunto set my hand.

THOMAS BEACH.

Witnesses:

W. D. LEWIS,
A. S. NICHOLSON.