

C. B. SHELDON.
Furniture-Casters.

No. 139,619.

Patented June 3, 1873.

Fig: 1.

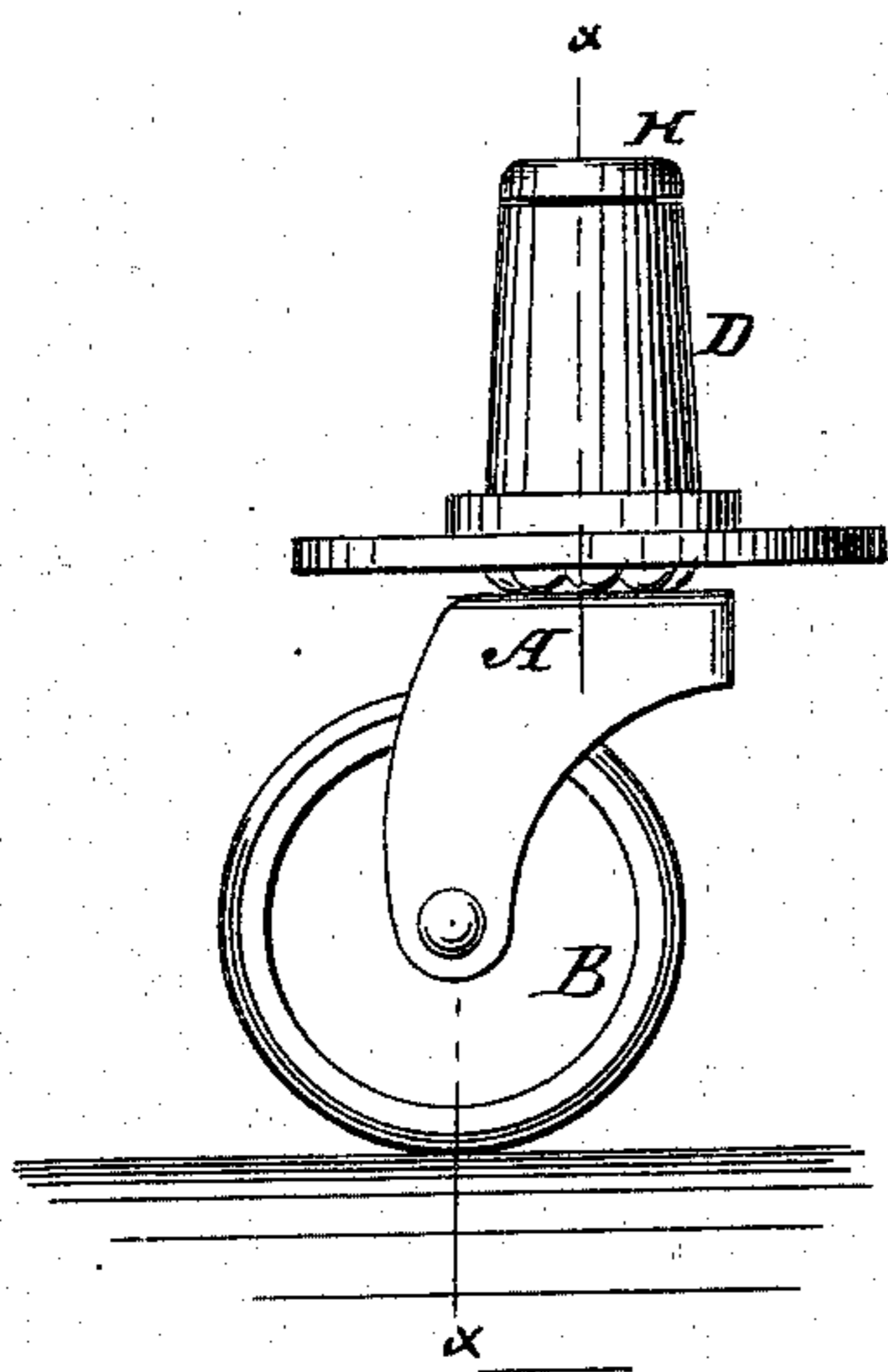
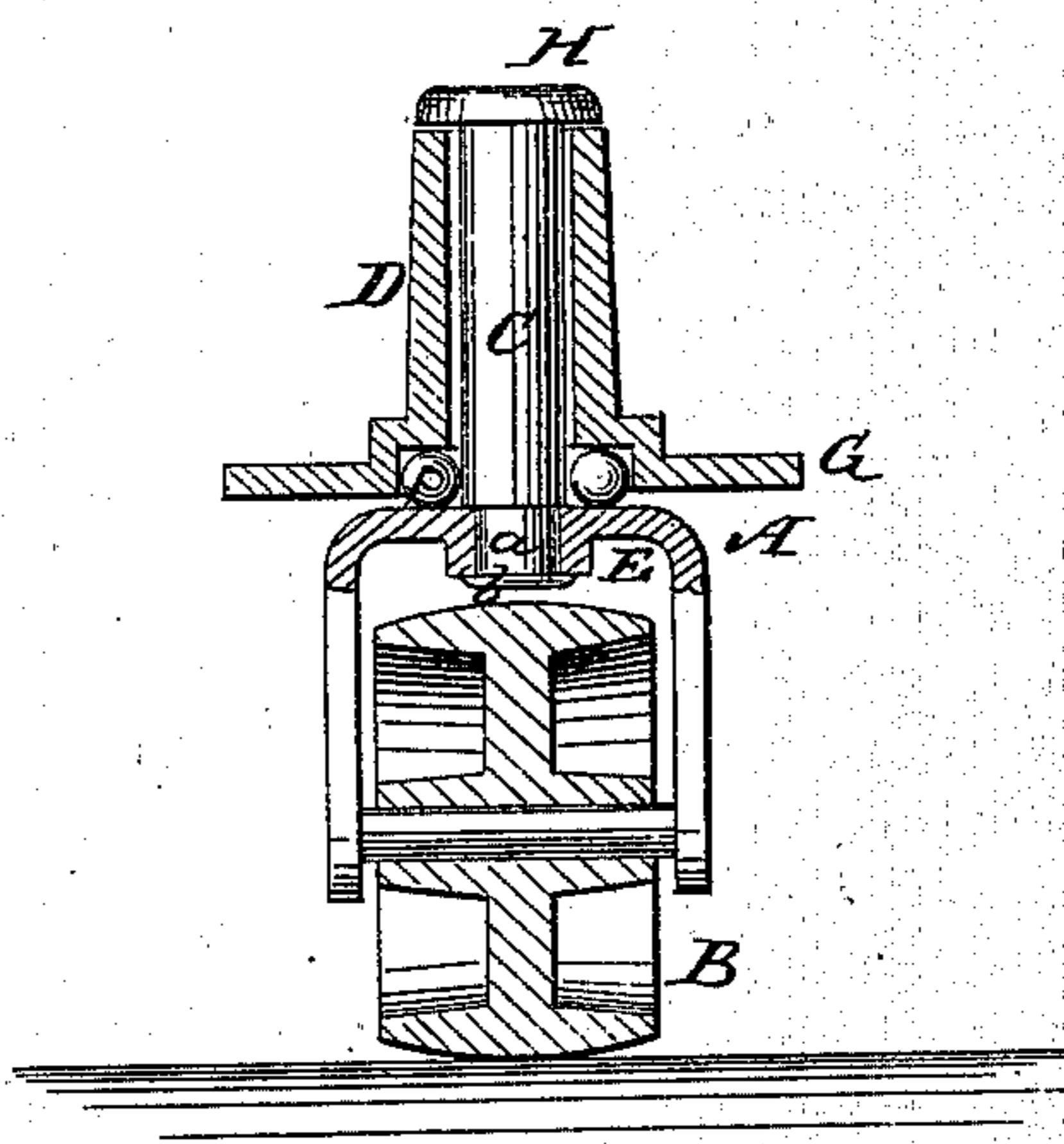


Fig: 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN FURNITURE-CASTERS.

Specification forming part of Letters Patent No. **139,619**, dated June 3, 1873; application filed May 19, 1873.

To all whom it may concern:

Be it known that I, CEVEDRA B. SHELDON, of the city, county, and State of New York, have invented a new and useful Improvement in Furniture-Casters, of which the following is a specification:

The brackets or horns of ordinary furniture-casters are made of cast metal, and are consequently heavy and expensive. The socket or box is also usually cast, turned, and bored with the weight of the furniture bearing upon the end of the pin. My present invention consists of a collar on the under side of the horn which is formed in punching the pin-hole, which gives the requisite thickness and strength to the horn at that point, and enables me to stamp or strike out the horn from sheet metal. It also consists in a flanged socket, stamped or struck up.

In the drawing, Figure 1 is a side view of the castor. Fig. 2 is a vertical section of Fig. 1 on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the horn or bracket. B is the caster-pulley. C is the pin. D is the socket or box, and E is the collar formed in punching the hole for the pin. The socket D rests on friction-balls F, and is attached to the piece of furniture by means of screws through holes in the flange G. The pin C is provided with a head, H, which prevents the caster from dropping from the socket when the furniture is raised from the floor. The other end of this pin, shouldered at *a*, is riveted onto the collar E at *b*, as seen in Fig. 2. By means of the

collar E sufficient thickness is given to allow the pin to be rigidly and durably attached to the horn, and it enables me to cut or stamp the horn from sheet metal of suitable thickness. When this horn is made in the usual way (that is, of cast metal) the horizontal or top part is necessarily twice as thick as the rest of it, and it is all much heavier, and consequently more expensive than when it is made of sheet or wrought metal. The socket D is struck up in dies by which the expense of boring and turning is avoided. In the manufacture of furniture-casters cheapness and durability are objects of the first importance. By stamping out the horn and the flanged socket, and combining them with the headed pin in the manner described, these objects are secured.

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

1. The socket D and flange G made in one piece of struck-up sheet metal, as and for the purpose specified.

2. The horn A and collar E made in one piece of struck-up sheet metal, as and for the purpose specified.

3. The struck-up sheet-metal socket and flange D G combined with the struck-up sheet-metal horn A with collar E, by means of the wrought-iron pin C, substantially as described.

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Witnesses:

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