

(No Model.)

G. B. PRICE & G. W. SMITH.

ROLLER SKATE.

No. 252,970.

Patented Jan. 31, 1882.

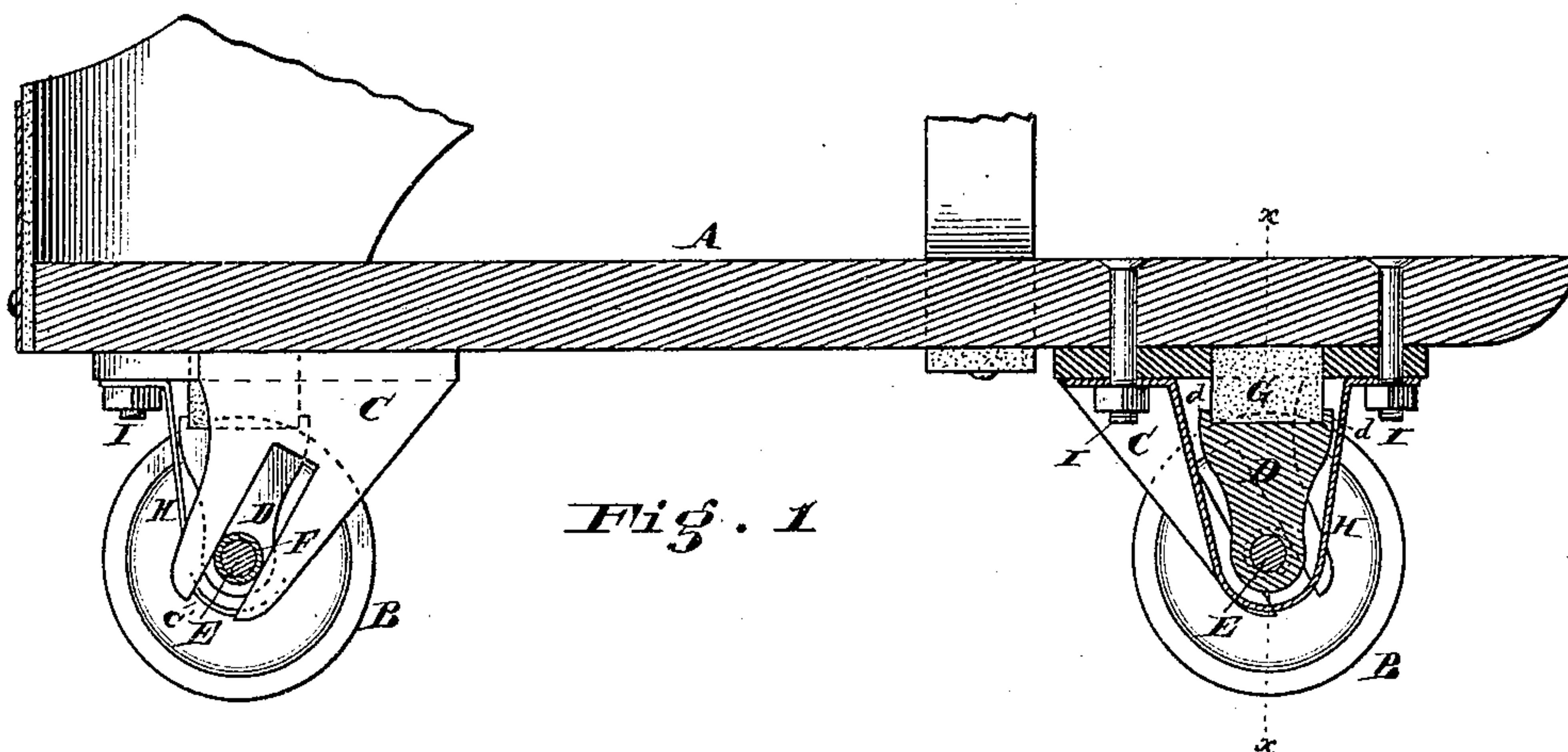


Fig. 1

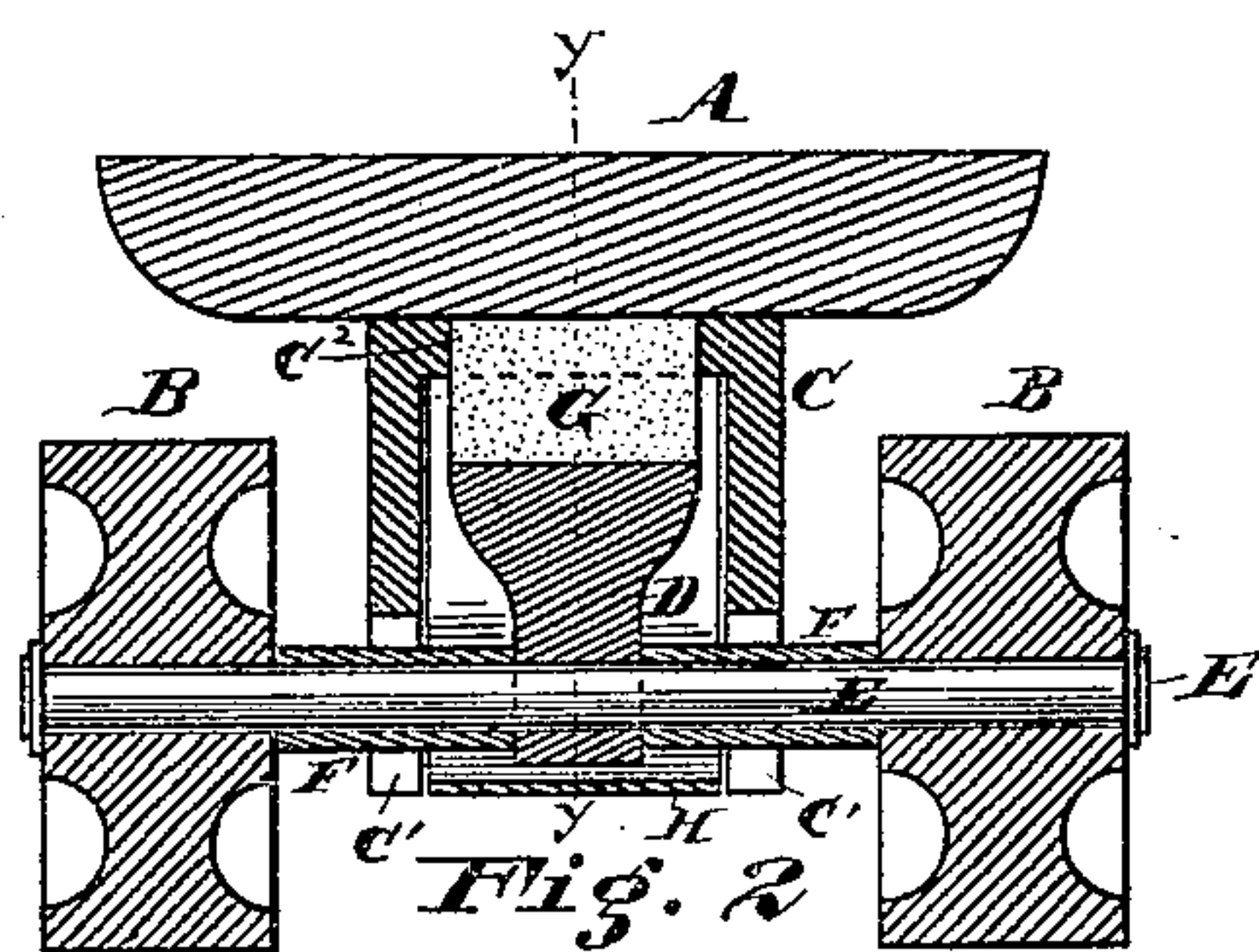


Fig. 2

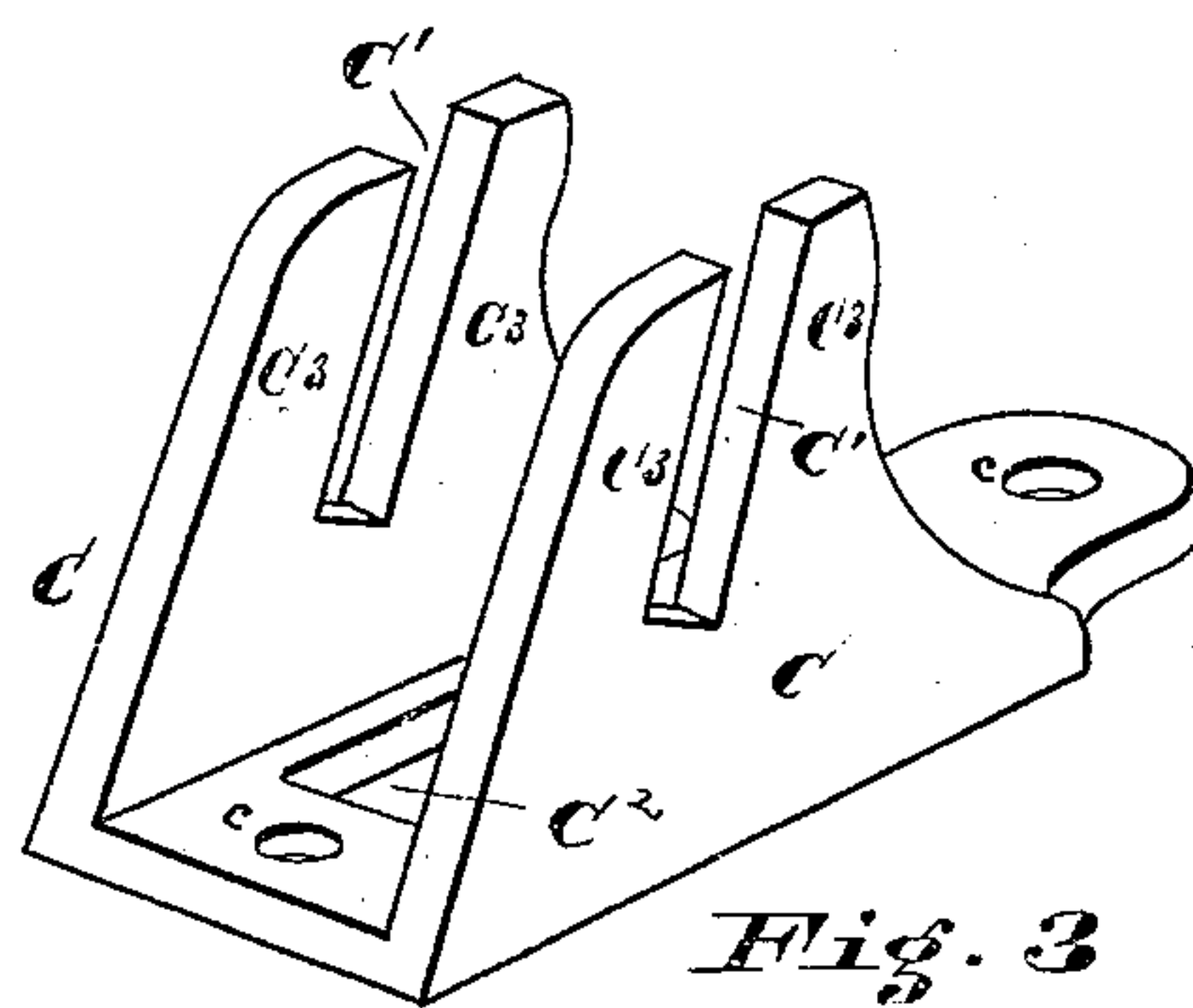


Fig. 3

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L. J. Matos.
Marie

Inventors
George B. Price
George W. Smith
By their atty.
J. B. Smith

UNITED STATES PATENT OFFICE.

GEORGE B. PRICE AND GEORGE W. SMITH, OF PHILADELPHIA, PA.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 252,970, dated January 31, 1882.

Application filed November 10, 1881. (No model.)

To all whom it may concern:

Be it known that we, GEORGE B. PRICE and GEORGE W. SMITH, both of the city and county of Philadelphia, and State of Pennsylvania, have invented an Improvement in Roller-Skates, of which the following is a specification.

Our invention has reference to roller-skates; and it consists in providing the frame with two plates, having downwardly-projecting sides, furnished with oblique slots, the slots at each end of the skate having their obliquity in opposite directions; further, in securing to an axle carrying on its ends the rollers a cast-iron or other metallic hub, which rests upon an elastic cushion or spring located between said hub and skate; further, in locating said axle in the slots, so that it may be guided therein, to the end that by pressing on one side of the skate-frame the rollers on one side of said frame will converge, as would be required, to turn a corner or make a curve; and, finally, in minor details of construction, all of which are fully set out in the following specification, and shown in the accompanying drawings, which form part thereof.

Heretofore roller-skates have been made with the axle pivoted to an oblique surface, and provided with springs to give the springing action; but this construction is both expensive and liable to get out of order. The state of the art is further shown in the patent to Leggo and Ireland, No. 191,350, and English Patents Nos. 3,318 and 2,226 of 1876, and 1,507 of 1876, and 3,948 of 1875.

By our improved construction the skate is stronger and more durable, is as sensitive in its action, and is much cheaper in its construction.

In the drawings, Figure 1 is a longitudinal sectional elevation on line *y y* of a roller-skate embodying in it our improvements. Fig. 2 is a cross-section of same on line *x x*; and Fig. 3 is a perspective view of one of the slotted plates.

A is the frame of the skate, and may be made of wood or other material, as metal.

C are metallic plates secured to the frame A by bolts I, or cast solid with it. These

plates C are provided on each side with projections C^3 , which are furnished with oblique slots C' , parallel to each other, but at about an angle of sixty degrees with the base of the plate. These plates are provided on the bases with apertures C^2 , to receive the springs of rubber G or other material.

The axle E is made of a rod of uniform diameter, secured in the middle to the hub D, which rests upon the spring-rubber G, as shown, and has lugs *d*, to prevent its slipping off the rubber. The rollers B are loose upon each end of the axle E, and are kept from moving toward the hub by sections of brass or other pipe F, which inclose the rod E, and the rollers cannot come off the axle, as they are riveted on over a washer, as shown. These axles and rollers are prevented from coming off and out of the slots C' by a band, H, which is held in place by bolts I. These devices are located one at each end of the skate, and in opposite directions, or having their slots pointing toward the middle and at an angle of about sixty degrees.

We do not limit ourselves to the particular kind of axle shown, as any other might be substituted therefor.

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

1. In a roller-skate, the combination of the frame A, carrying the parallel plates or projections C^3 , provided with parallel oblique slots C' , open on the bottom, spring G, perpendicularly arranged above the axle, hub D, axle E, loose sleeves F, and wheels or rollers B, substantially as and for the purpose specified.

2. In a roller-skate, the plate C, having projections C^3 , arranged parallel to each other, and provided with parallel slots C' , arranged obliquely thereon and open on the bottom, said plate being further provided with an aperture, C^2 , to support the rubber-spring cushion, substantially as shown.

3. In a roller-skate, the combination of the frame A, plates C, having projections C^3 , furnished with oblique parallel slots C' , open on the bottom, spring G, hub D, axle E, rollers

B, and band H, substantially as and for the purpose specified.

4. In a roller-skate, the combination of the frame A, plates C, having projections C³, furnished with oblique parallel slots C', open on the bottom, springs G, hub D, axle E, loose sleeves F, rollers B, and band H, substantially as and for the purpose specified.

In testimony of which invention we hereunto set our hands.

GEORGE B. PRICE.
GEO. W. SMITH.

Witnesses:

R. M. HUNTER,
JOHN W. STEWARD.