

(No Model.)

J. T. HENDERSON.

ROLLER SKATE.

No. 321,968.

Patented July 14, 1885.

Fig. 1

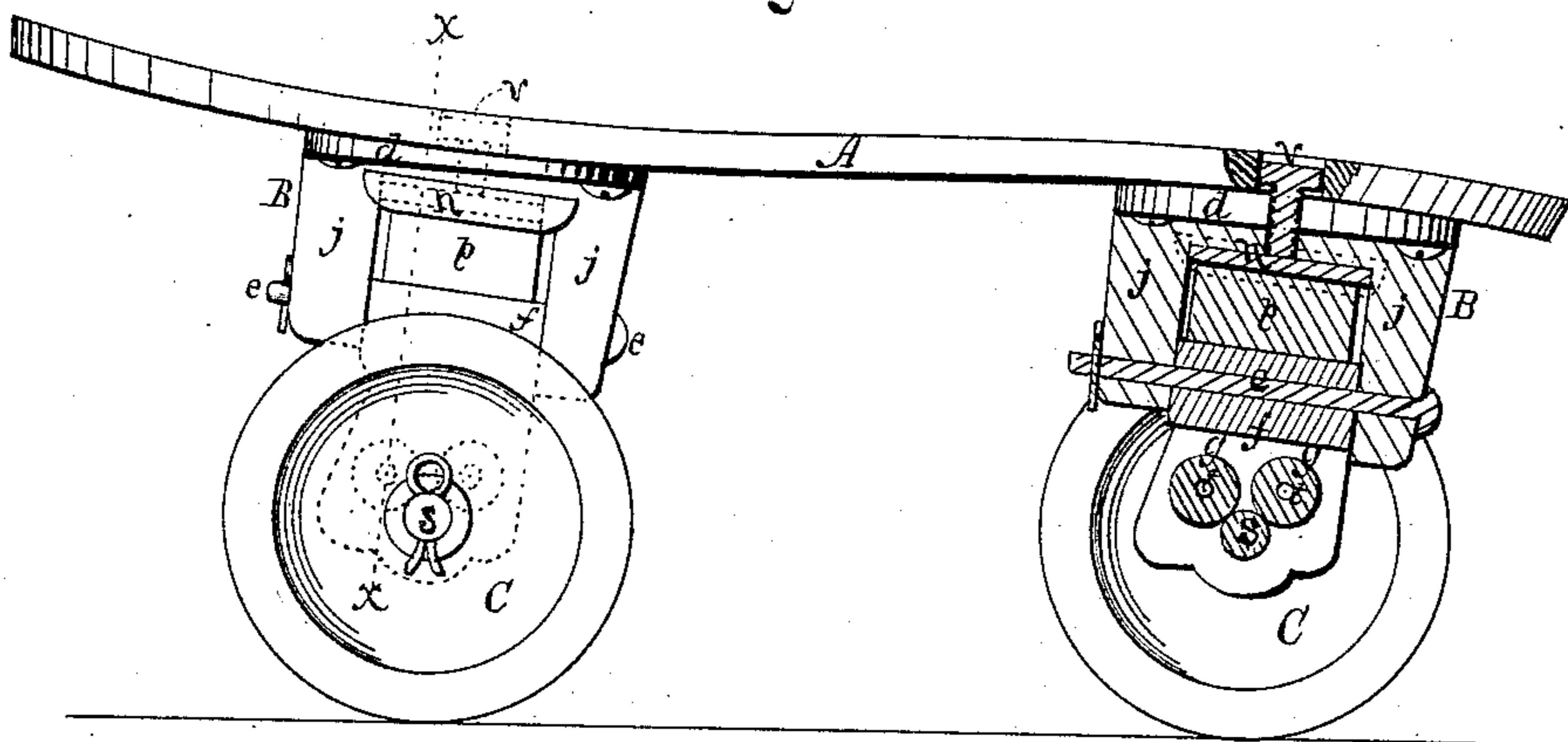


Fig. 2

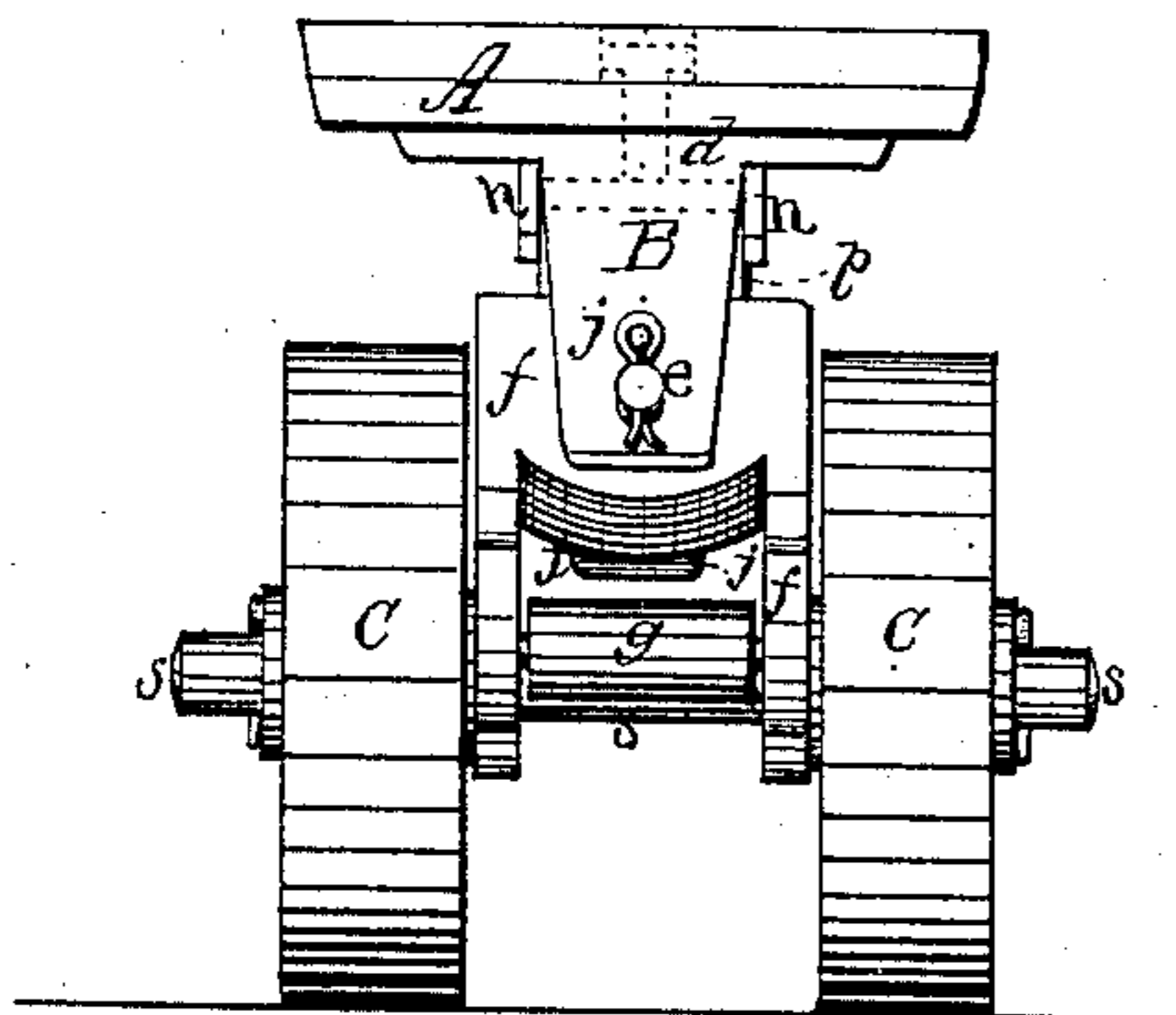
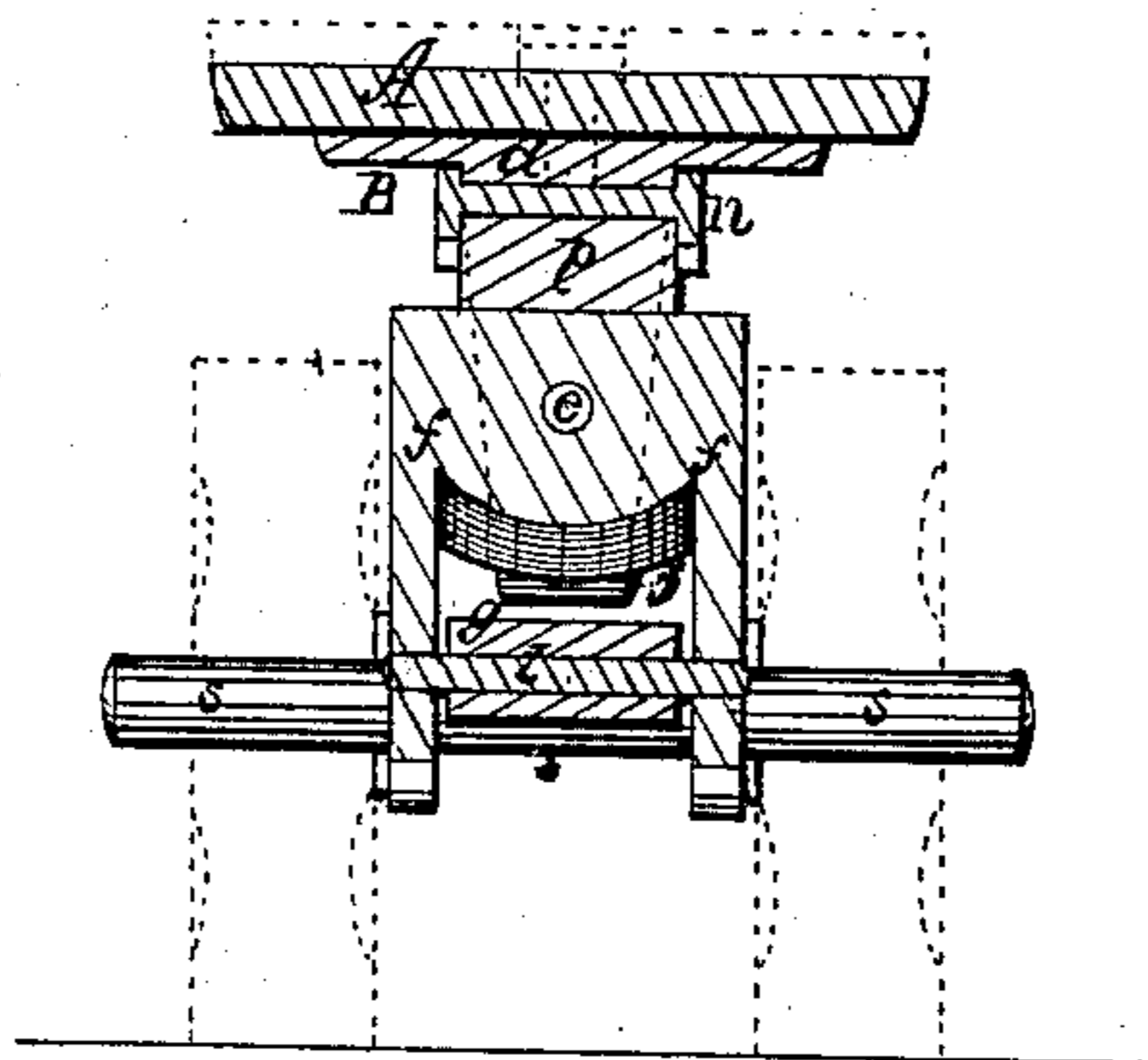


Fig. 3



Witnesses.

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JOHAN T. HENDERSON, OF COUNCIL BLUFFS, IOWA.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 321,968, dated July 14, 1885.

Application filed September 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHAN T. HENDERSON, a citizen of the United States of America, residing at Council Bluffs, in the county of Pottawattamie and State of Iowa, have invented certain new and useful Improvements in Roller-Skates, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention is an improved roller-skate; and it consists in the construction and combination of parts, as hereinafter described, and pointed out in the claim, and illustrated by the accompanying drawings, in which like letters designate identical parts of my invention in the different figures, respectively.

Figure 1 is a side elevation of my device. Fig. 2 is a front elevation of the same; and Fig. 3 is a similar view of the same in section, the oblique plane of which is shown by the dotted line *x x* in Fig. 1.

The letter A represents said foot-rest, of the general shape shown. Suitably attached underneath the said foot-rest are the hangers B of the front and rear skate-rollers, C. Said hangers are made of suitable metal, and provided with suitable plates, *d*, by which they are firmly fastened to the foot-rest above, as shown, and also with the vertically-depending jaws *j*, within which to inclose, front and rear, and horizontally couple and pivot by the bolt *e*, the rocking carrier *f* of the skate-rollers C. Said carriers each consist of a flat top or coupling plate and a pair of vertically-dependent side posts, said plate having a suitable hole horizontally and longitudinally pierced through it to receive the coupling and pivot bolt *e*, upon which the roller-carrier laterally rocks and swings between the hanger-jaws, and said posts each being suitably provided with bearing-holes, in which are suitably journaled the shaft *s* and spindles *t* of the skate-rollers C and said bearing-rollers *g*, respectively, as shown.

Immediately underneath the bottom of the hanger-attaching plate *d*, and held by fitting vertical double flanges between the front and

rear jaws, *j*, of said hangers, is fitted the H-shaped presser-plate *n*, as shown, which vertically slides within said jaws, and, while clasping the top of said elastic cushion *p* within the lower pair of side flanges of the plate, serves to compress and tighten said cushion upon the top of said coupling-plate of the carrier *f* whenever said presser-plate is adjustably and forcibly depressed by the adjusting-screw *v*, suitably made, arranged, and fitted to turn through the foot-rest A and the plate *d*, as shown. The cushion *p* consists of an elastic block of fitting size and shape, of any suitable elastic material, and serves, when forcibly depressed, as aforesaid, to adjustably limit and lessen the lateral oscillation, rock, or swing of the roller-carriers *f* whenever reciprocally moved by the swaying counterpressures of the said foot-rest above while strapped upon the foot of a skater, and also to effectively spring the foot-rest back to its normal level above the rollers when the skater resumes a vertical position.

Immediately above the middle portion of the skate-roller shaft *s* are placed the bearing-rollers *g*, which consist of a pair of suitable metallic rollers of fitting size, and so mounted upon suitable spindles, *t*, which are suitably journaled in the same posts with the roller-shaft, as shown, as to engage with said rotary shaft, and thereby divide the weight-pressure of the skater among the respective spindles and materially reduce the friction of the journal-bearings. Therefore,

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

In combination with a roller-skate, the rocking roller carrier or hanger *f*, bifurcated as shown, and having the wheel-axle *s* and rollers *g*, the latter bearing upon the said wheel-axle, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHAN T. HENDERSON.

Witnesses:

N. M. PUSEY,
ALEX. GLEN.