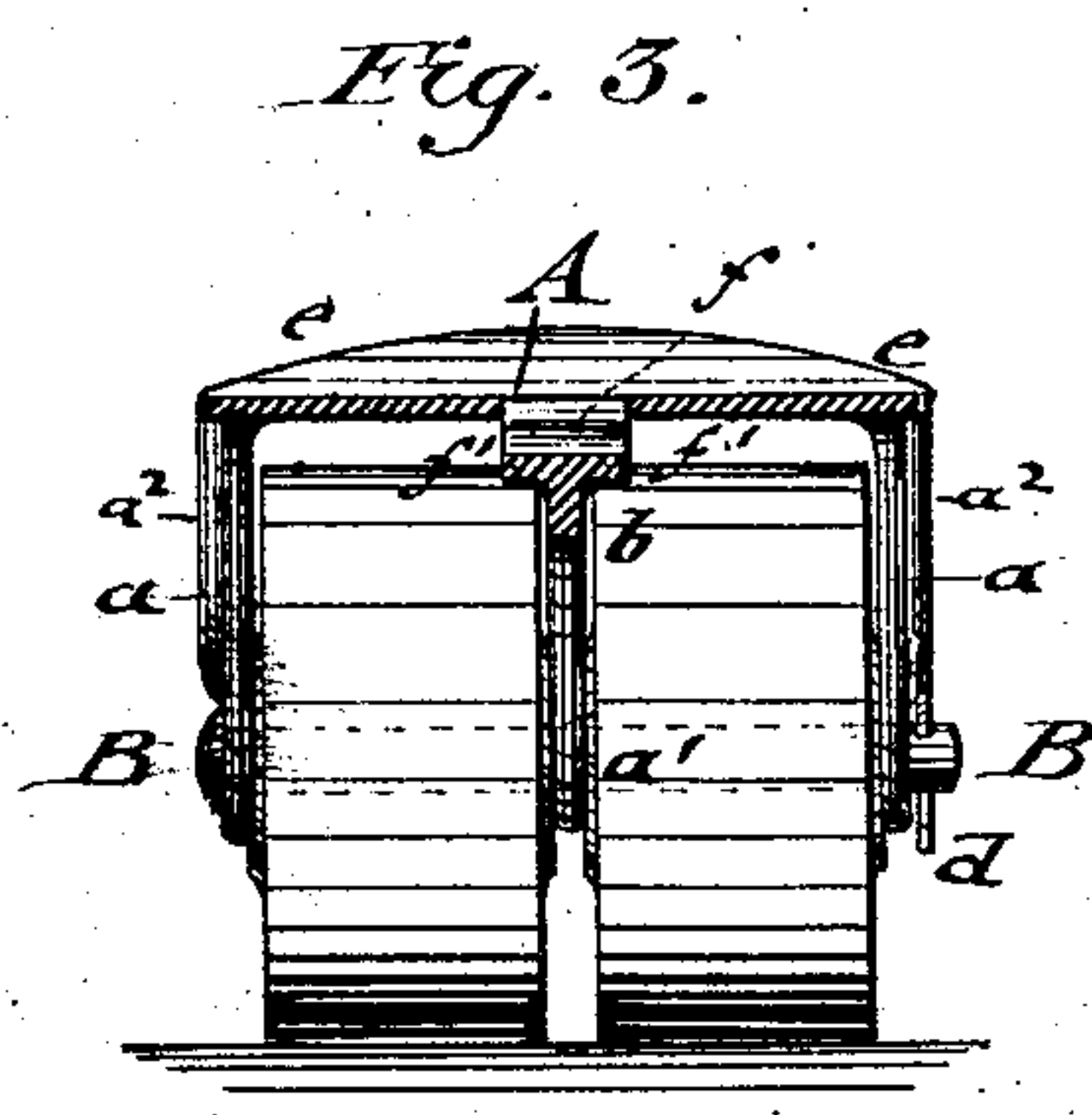
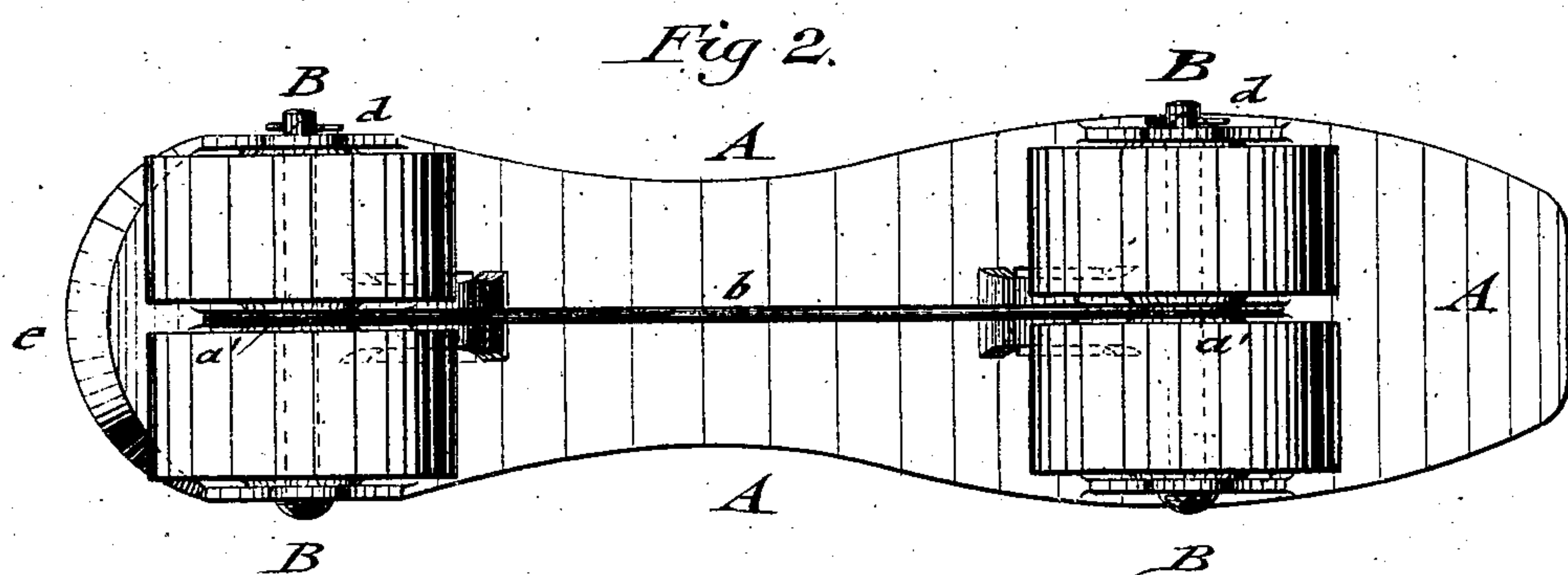
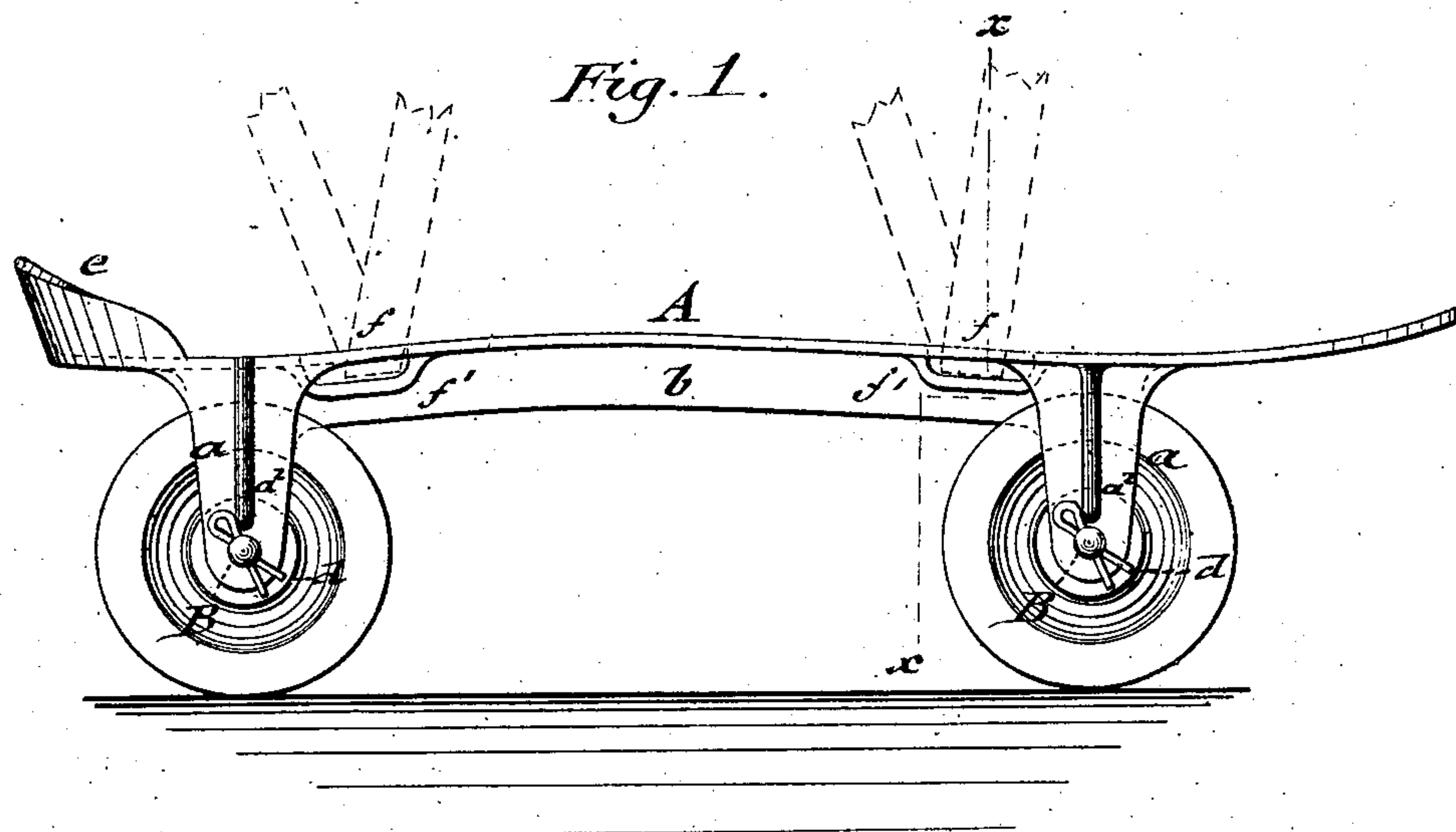


(No Model.)

W. A. SUTTON.  
Roller Skate.

No. 243,323.

Patented June 21, 1881.



WITNESSES:

*Carl Klug*  
*Otto Risch*

INVENTOR

*William A. Sutton*  
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ATTORNEY

# UNITED STATES PATENT OFFICE.

WILLIAM A. SUTTON, OF NEW YORK, N. Y.

## ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 243,323, dated June 21, 1881.

Application filed May 6, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM A. SUTTON, of New York, in the county and State of New York, have invented certain new and useful  
5 Improvements in Roller-Skates, of which the following is a specification.

The object of this invention is to furnish a cheap yet strong and effective roller-skate for boys and girls, which has the advantage that  
10 it is composed of very few pieces, which can be assembled quickly, so as to reduce thereby the expense of the skate.

The invention consists of a roller-skate the sole-plate of which is provided at the under  
15 side with a longitudinal central rib, from the ends of which extend in downward direction central and side lugs for the support for the roller-shafts. The sole-plate has central recesses and the central rib flanged recesses  
20 below the same for the passage of the straps. The hind part of the sole-plate is provided with a heel-rest, cast in one piece therewith, and the side lugs with exterior central ribs, which serve as stops for the locking-keys of the roller-shafts, so as to prevent the turning of the same  
25 with the rollers.

In the accompanying drawings, Figure 1 represents a side elevation; Fig. 2, a bottom view; and Fig. 3, a vertical transverse section of my  
30 improved roller-skate on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the sole-plate of my improved roller-skate, which  
35 is cast in one piece with downwardly-extending side lugs, *a*, near the front and rear ends of the sole-plate, which lugs carry the roller-shafts B. At the under side of the sole-plate A is cast a longitudinal central rib, *b*, from the  
40 ends of which extend in downward direction and in line with the side lugs, *a*, intermediate lugs, *a'*, through which the shafts of the rollers pass, they serving to separate the rollers at the front and hind part of the skate from each  
45 other. The shaft B is provided at one side with an enlarged head and at the other side with a diametrical hole, through which a spring-key, *d*, or other fastening for retaining the shaft, is passed. The outer side lugs, *a*, are provided  
50 with raised center ribs or other equivalent stop

devices, *a*<sup>2</sup>, for the purpose of arresting the spring-keys *d*, and preventing thereby the roller-shafts B from turning with the rollers.

At the rear end of the sole-plate A is arranged an inclined heel-support, *e*, of segmental  
55 shape, which is cast, like the bottom rib and side lugs, in one piece with the sole-plate, and which extends along the rear edge of the sole-plate from one side lug to the other.

The straps are applied to the sole-plate by  
60 providing the same with central recesses, *f*, one in front of the hind rollers and the other somewhat back of the front rollers, and casting the longitudinal bottom rib with depressed side flanges, *f'*, between which and the sole-  
65 plate are formed transverse guide-slots for the straps, as shown clearly in Figs. 1 and 3.

As the sole-plate is cast in one piece with the roller-supporting lugs and the strap-holding devices, all that is necessary to complete  
70 the skate is to apply the rollers, roller-shafts, spring-keys, and straps thereto, the whole forming a roller-skate of cheap and simple construction, yet of considerable durability and strength.

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

1. In a roller-skate, the combination of a sole-plate, having side lugs and intermediate lugs cast in one piece therewith, with front  
80 and rear rollers, and transverse roller-shafts secured to the side lugs, substantially as and for the purpose set forth.

2. In a roller-skate, a sole-plate having roller-supporting side and center lugs cast in one  
85 piece therewith, substantially as described.

3. In a roller-skate, a sole-plate cast in one piece with downwardly-extending side and central lugs, and with a longitudinal bottom rib that connects the center lugs, substantially  
90 as set forth.

4. In a roller-skate, a sole-plate having a longitudinal bottom rib at the under side, central recesses, and transverse slots formed below the sole-plate by depressed sidewise-  
95 extending flanges of the bottom rib, substantially as set forth.

5. In a roller-skate, a cast-metal sole-plate having side and central lugs, strengthening bottom rib, and a segmental heel-plate which  
100



extends along the rear edge of the sole-plate from one side lug to the other, substantially as set forth.

6. In a roller-skate, the combination of the  
5 sole-plate having side and central roller-supporting lugs cast in one piece therewith, the side lugs having raised exterior ribs or stops, with front and rear rollers, and transverse shafts secured by spring-keys, the spring-keys being  
10 stopped by the raised ribs of the side lugs, so

as to prevent the turning of the shafts with the rollers, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 14th day of April, 15 1881.

WILLIAM A. SUTTON.

Witnesses:

PAUL GOEPEL,  
CARL KARP.