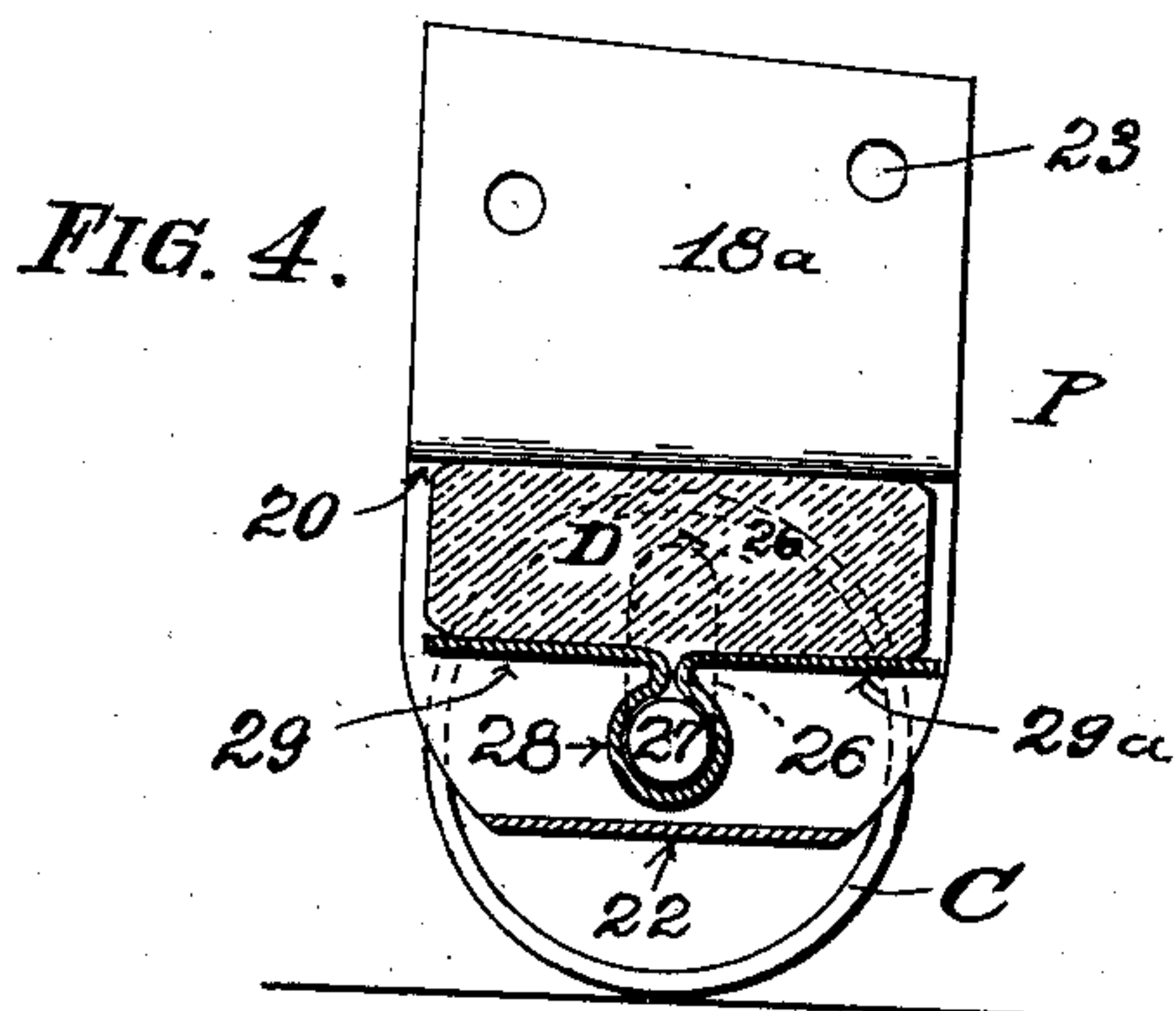
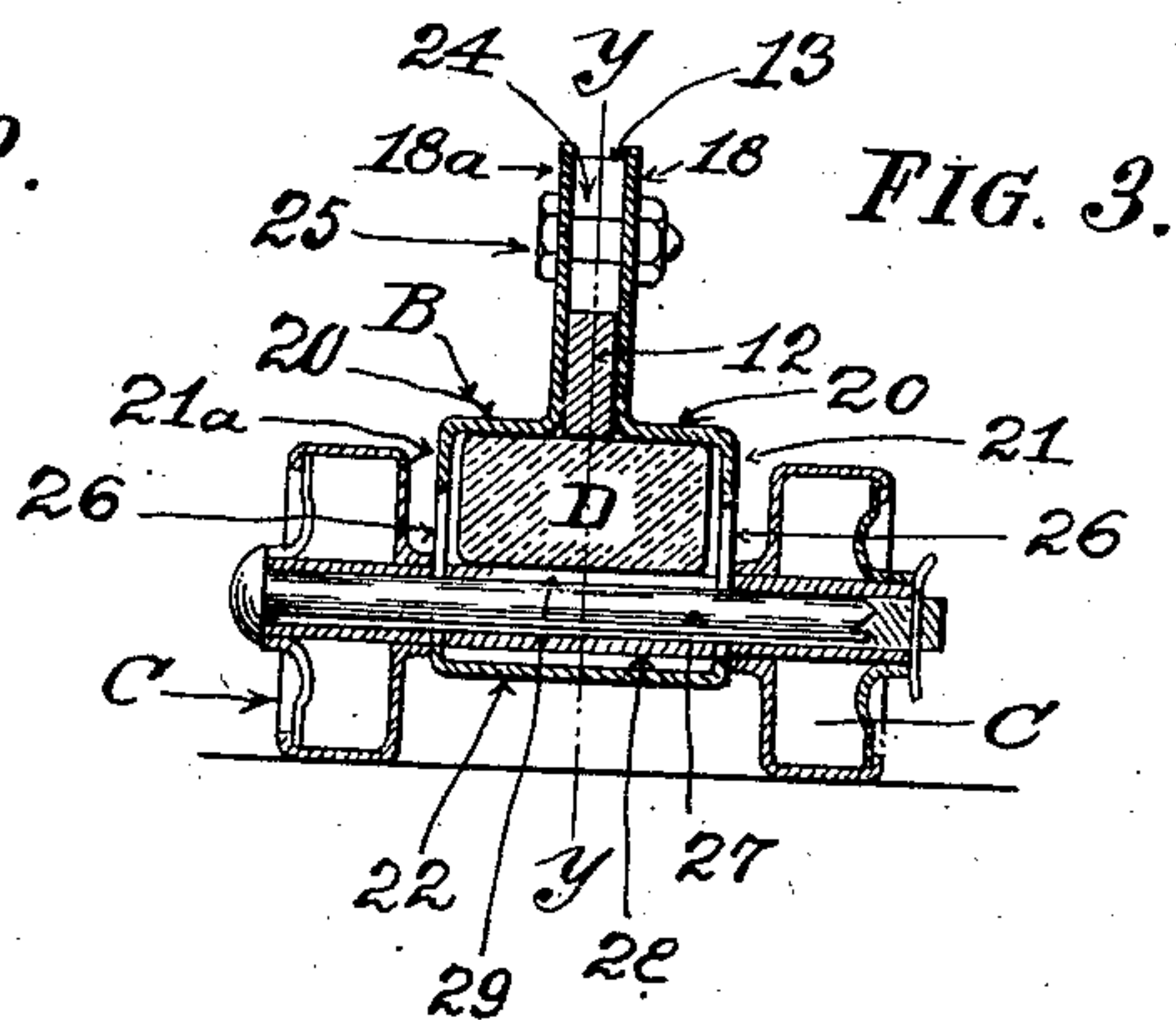
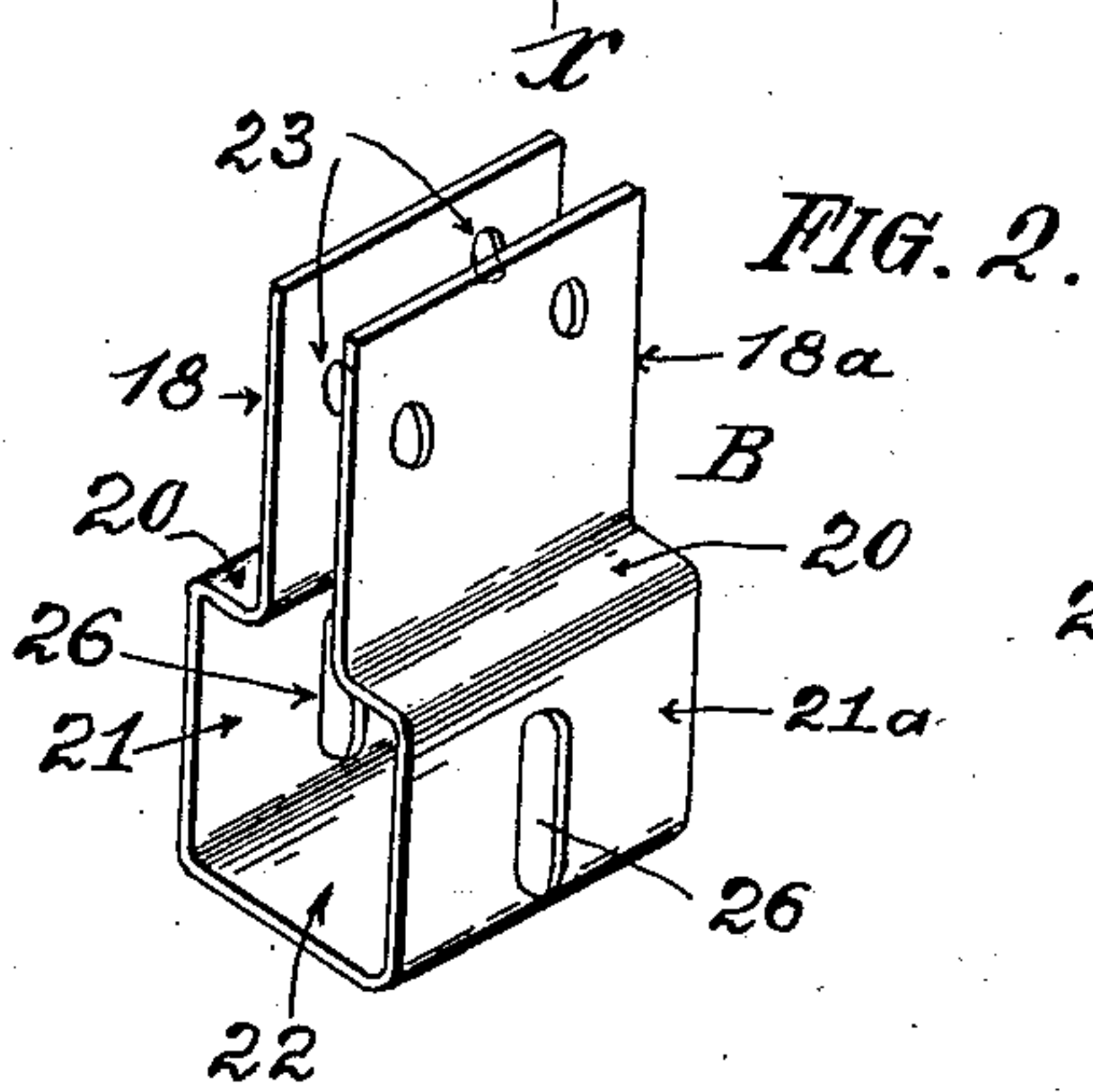
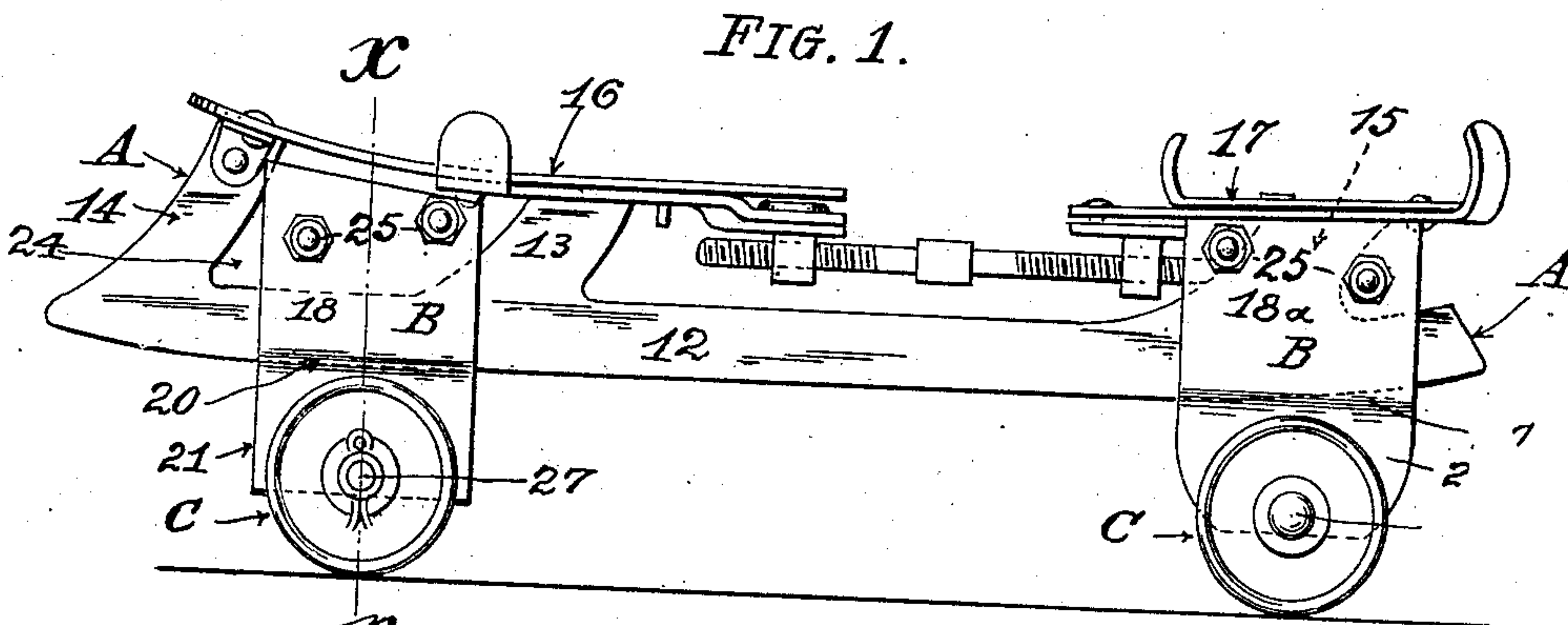


A. HUBERTH
SKATE.
APPLICATION FILED AUG. 17, 1910.

973,786.

Patented Oct. 25, 1910.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALEXANDER HUBERTH, OF HAMMOND, INDIANA.

SKATE.

973,786.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed August 17, 1910. Serial No. 577,634.

To all whom it may concern:

Be it known that I, ALEXANDER HUBERTH, an Austrian subject, and resident of Hammond, in the county of Lake and State of Indiana, have invented certain new and useful Improvements in Skates; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which my said invention appertains to make and use the same.

This invention has general reference to improvements in skates, and its object is to provide means whereby a pair of ice-skates can be readily and cheaply converted into roller-skates.

In the drawings already mentioned, which serve to illustrate this invention more fully, Figure 1 is a side view of an ice-skate provided with my roller attachment. Fig. 2 is a perspective view of the casing or frame detached. Fig. 3 is a transverse sectional elevation on line *x x* of Fig. 1. Fig. 4 is a sectional elevation on line *y y* of Fig. 3.

Like parts are designated by corresponding symbols and characters of reference in all the figures.

A, in the drawings designates an ice skate of usual construction which is to be converted into a roller skate by the application of my invention. This skate, as shown, is of the usual metallic construction having the runner 12, median upright supporting member 13, forward upright support 14, and heel support 15, sustaining the foot plate 16, and the heel plate 17 in the usual manner. To convert this skate into a roller skate, I place at the forward, and the rear end of the runner 12, fixtures B, which are exact duplicates one of the other so that in describing these fixtures I shall do so in the singular number. It consists of a casing or frame formed, preferably, from a strip of steel of proper width and length to afford two approximately parallel members 18, 18^a, which are adapted to embrace between them, the runner 12, and a portion of the uprights 13, 14, and the rear support 15, respectively. Adjoining these two parallel members are outwardly projecting horizontal members 20, and at right angles thereto downwardly pending side members 21, 21^a, which are connected one to the other, by a bottom plate 22. In the members 18, 18^a, there are

screw holes 23, through which, and the space 24 between the upright supports 13, 14, or at the sides of the heel support 15, screw bolts 25, are passed by which the fixture B is securely but removably fastened to the skate. In the side members 21, 21^a, there are vertically disposed slots 26, through which the axle 27 for the wheels C, is passed. Upon this axle 27 there is located a sleeve 28, which sleeve has laterally projecting members 29, 29^a, upon which, and bearing against the inner surfaces of the horizontal members 20 and the bottom edge of the runner 12, is carried a, preferably rubber, cushion D, which cushion acts as a spring to the axle 27 to make the same resilient.

It will now be observed that by attaching a pair of the fixtures B described to an ice skate, the latter is quickly converted into a roller skate and vice versa, and that this fixture is simple in construction and that it can be produced at reasonable cost.

By forming the side members 21, 21^a, preferably integral, with the bottom member 22 to connect the same the entire fixture is self-contained so that when removed from the skate, no part thereof can be lost, while owing to the flexibility of the side members 18, 18^a, these members will readily adapt themselves to any reasonable variation in the thickness of the runner 12 and the supporting members 13, 14, and 15.

The screw holes in the parallel members 18, 18^a, are so located that the screws passing through the same, may also pass through the space 24 between the forward and the median supporting members and also on each side of the heel supporting member, but it is obvious that occasion may arise where these holes must be differently placed to accommodate existing conditions with reference to the specific construction of the runner and the supporting members.

I have shown in Fig. 1 at the forward end of the skate, and in Fig. 2, a fixture frame or casing in which the side members have parallel edges, while in the heel fixture shown in Fig. 1, and in Fig. 4, I have illustrated these side members slightly curved, which outline is probably the more pleasing and graceful one and somewhat lightens the fixture in weight. This, and other modifications of the details of construction may be resorted to by persons skilled in the art to which this invention appertains, without departing from the scope of the same.

Having thus fully described this invention, I claim as new and desire to secure to me by Letters Patent of the United States—

5 An attachment to an ice skate adapted to convert the same into a roller skate, said attachment comprising two fixtures adapted to be removably applied to said skate as described, each of said fixtures comprising a frame having parallel members constructed
10 to embrace the runner of said skate, outwardly projecting members on said parallel members, downwardly pending side members and a bottom member connecting the side members, the walls of the side members
15 being slotted, an axle passing through said slots and having its ends projecting from

said side members, a wheel on each end of said axle, a sleeve upon said axle said sleeve being located between said side members, laterally projecting carrying members on
20 said sleeve, and a cushion upon said laterally projecting carrying members and bearing against the inner surfaces of the outwardly projecting members.

In testimony that I claim the foregoing
25 as my invention, I have hereunto set my hand in the presence of two subscribing witnesses.

ALEXANDER HUBERTH.

Witnesses:

PAUL B. LIPINSKI,
LEOPOLD GUTT.