

G. Brownlee.

Parlor Skate.

Nº 92,930.

Patented July 7, 1869.

Fig: 3.

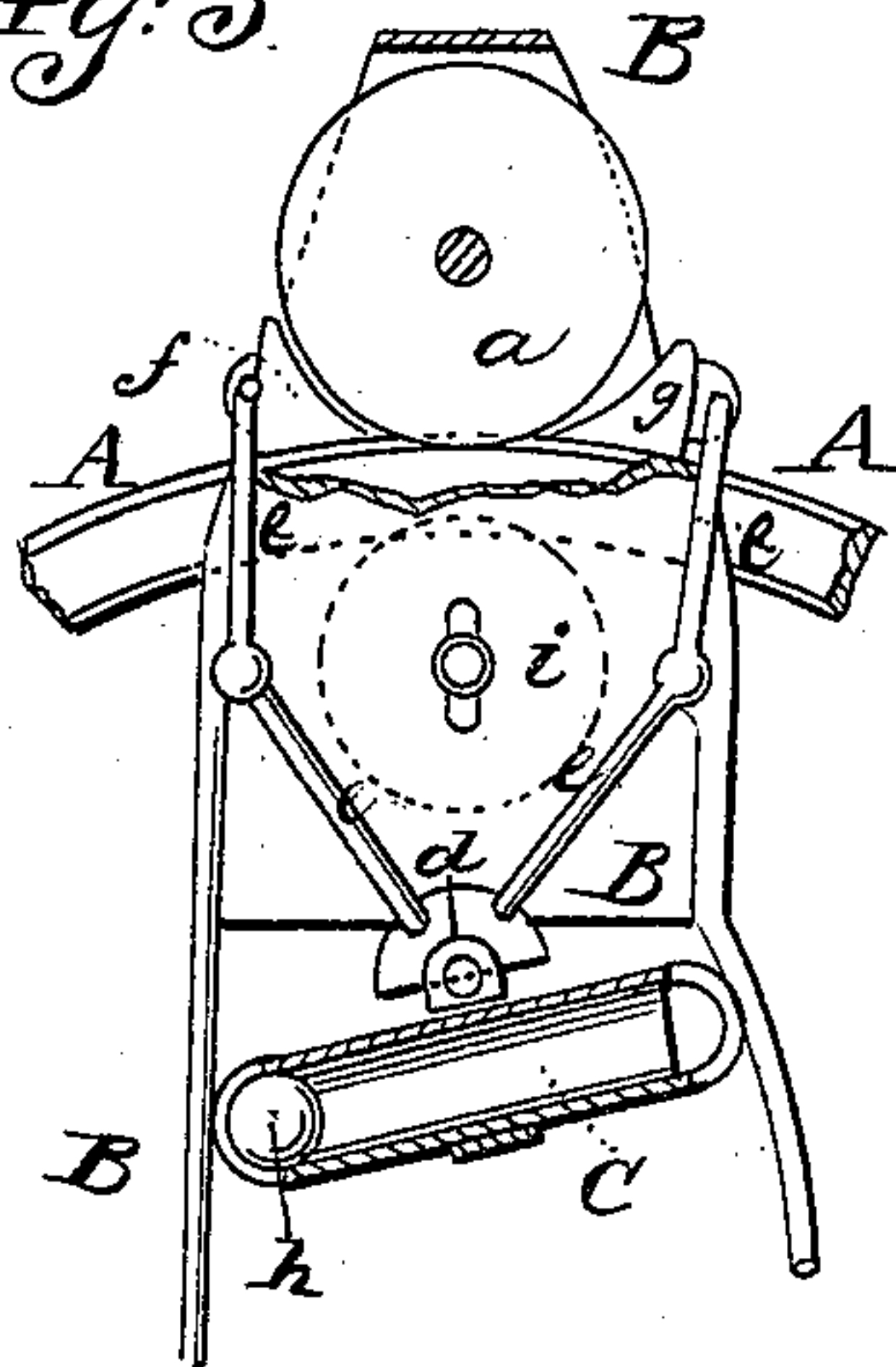


Fig: 2.

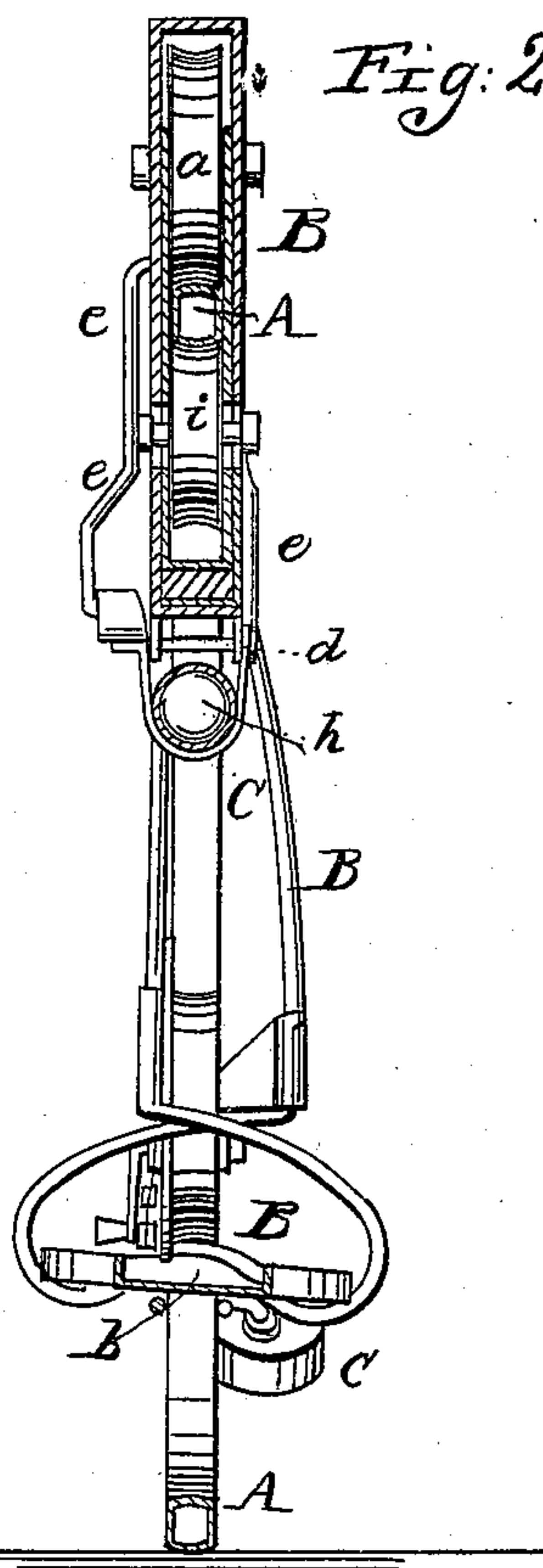
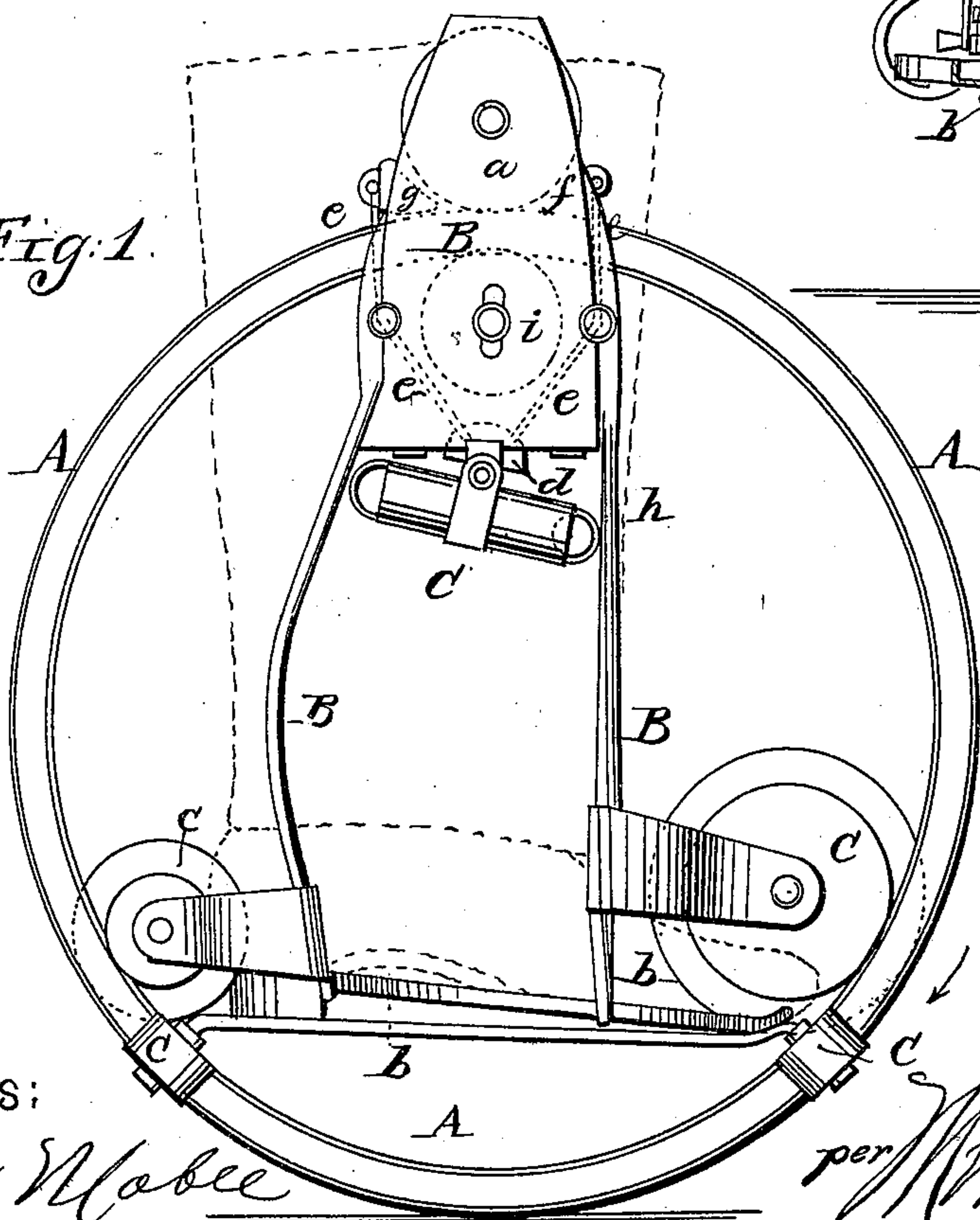


Fig: 1.



Witnesses:

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per

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GEORGE BROWNLEE, OF PRINCETON, INDIANA.

Letters Patent No. 92,936, dated July 27, 1869.

PEDECYCLE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE BROWNLEE, of Princeton, in the county of Gibson, and State of Indiana, have invented a new and improved Pedecycle; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side view of my improved pedecycle.

Figure 2 is a vertical transverse section of the same.

Figure 3 is a detail side view, partly in section, of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new device, which is to be used for skating on ordinary roads, to be attached to the feet and rolled over the ground.

The invention is also applicable to other vehicles, such as velocipedes and wheelbarrows; and

It consists chiefly in suspending the weight of the rider or load to be conveyed from the top of the wheel or hoop.

The invention consists also in a novel arrangement of self-acting brakes, as applied to the pedecycle aforesaid, and in the application of a balance-tube, containing a ball or other rolling weight for operating said brake.

A, in the drawing, represents a hoop of suitable size, and made of sheet-metal or other suitable material, either solid or hollow, as in fig. 2.

From the top of this hoop is suspended a frame, B, which carries a small wheel or roller, *a*, that rests on the edge of the hoop on top of the same, as shown.

The lower part of the frame B carries a foot-support, *b*, within the hoop, and some side-guard rollers, *c c*, that fit against the faces of the hoop, to prevent lateral displacement of the frame.

C is a tube suspended at its middle by a pin, *d*, from the upper part of the frame, in such manner that it can swing on its pivot. It is, by means of levers *e e* that are pivoted to the frame, connected with two brake-shoes *f g*, respectively, which are in front and rear of the roller *a*, as shown.

The tube, which is closed at its ends, contains a ball, *h*, which can freely roll from end to end of the tube.

The end of the tube containing the ball will be

lowered, and thereby the brake, connected with such lowered end, will be applied to the roller *a*.

One such device is to be applied to each foot of a person, in the manner indicated in fig. 1, and the feet are to be moved in a manner similar to skating.

When the foot is moved forward, to more or less incline forward, the foot C will also be inclined in the same direction, and the front brake *f* will thereby be applied, which will act against *a*, so as to prevent the hoop from rolling backward. When the foot is placed so as to be lower at the heel, it will cause the tube C to swing and apply the rear brake *g*. The hoop is then prevented from turning backward. Thus, when the foot has been pushed forward as far as necessary, it will be so inclined as to apply the brake *g*, whereby it is prevented from slipping further forward.

When the skater strikes back to propel the body forward, the toe is lowered and the front brake applied, whereby the foot is prevented from slipping further back.

By leaving off the brakes, making the hoop of larger size, and arranging a seat within it, in the frame B, the device may be used for a one-wheeled velocipede, to be propelled by hands or feet, in suitable manner, or it may, if desired, be provided with two or more such hoops. The same device may be used for transporting goods on the frame B.

The weight being suspended from the top of the wheel, greater leverage is obtained.

A small roller, *i*, may be arranged within the hoop on the frame B, to fit against the inner edge of the hoop, opposite to *a*, as shown.

Having thus described my invention,

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

1. A pedecycle, made and operating substantially as herein shown and described.

2. A vehicle, in which the weight to be conveyed is suspended from the top of the wheel or wheels, substantially as herein shown and described.

3. The brakes *f g*, applied automatically to the bearing-roller *a*, to prevent either backward or forward motion of the hoop, substantially as herein shown and described.

4. The pivoted tube C, containing the ball *h*, to operate the brakes *f g*, automatically, substantially as herein shown and described.

Witnesses: GEORGE BROWNLEE.

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