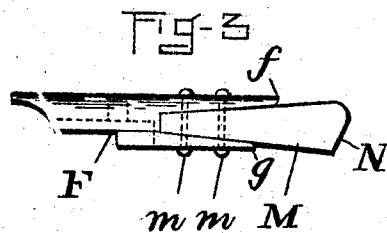
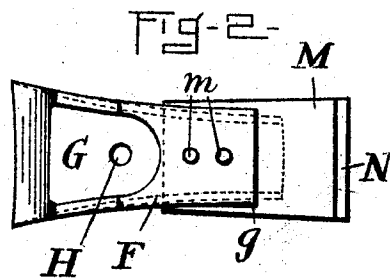
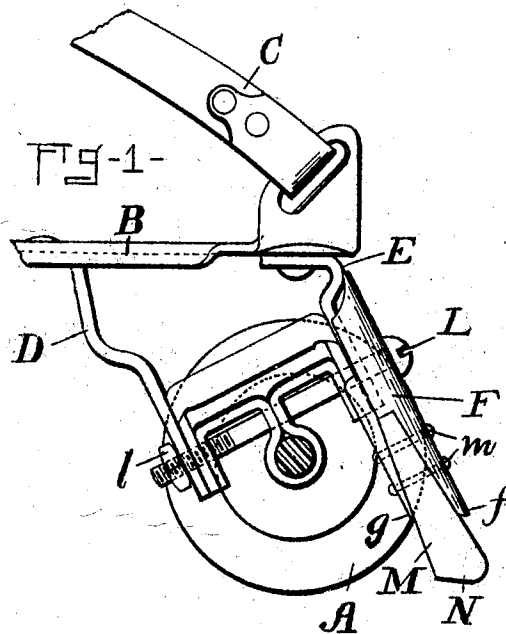


No. 805,942,

PATENTED NOV. 28, 1905.

G. M. BEALS.
ROLLER SKATE BRAKE.
APPLICATION FILED APR. 20, 1905.



WITNESSES:

WITNESSES:
Thos. G. Robbins
Wm W. [unclear]

INVENTOR

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GEORGE M. BEALS, OF LOWELL, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO HAYWARD M. BARTLETT, OF LOWELL, MASSACHUSETTS.

ROLLER-SKATE BRAKE.

No. 805,942.

Specification of Letters Patent.

Patented Nov. 28, 1905.

Application filed April 20, 1905. Serial No. 256,551.

To all whom it may concern:

Be it known that I, GEORGE M. BEALS, a citizen of the United States, and a resident of Lowell, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Roller-Skate Brakes, of which the following is a specification.

My invention relates to roller-skates; and it consists of a brake for the purpose of allowing the wearer to stop readily whenever he so desires and without injury to the skates.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 shows my device as attached between the rear rollers of a pair of roller-skates, one roller only being shown. Fig. 2 shows a bottom view of my device detached. Fig. 3 shows a side view of the device detached.

The present usual method of stopping by the skater is to turn the toe of one foot outward and by allowing the rollers to drag sidewise on the floor to create friction enough to allow him to stop. This injures the skate and is not effective.

Fig. 1 shows a side view of the heel portion of a roller-skate. A represents one of the rear rollers. B is the base-plate. C is the heel-strap. D and E are the supports for the rear axle, and F is the holder portion of my device.

Holder F consists of a piece of metal cut away at G to fit over the end of support E and to rest firmly at all points of contact with E. This holder F is cleft between *f* and *g*, and in this cleft is inserted a wedge-shaped pad M N, of rubber, leather, felt, cloth, or other suitable material of such elasticity and softness as not to injure the floor. This pad is held in place in the holder by glue and also, preferably, by means of rivets or pins *m m*, which may be readily pulled out when it is desired to replace an old pad with a new one.

The holder F is pierced by the hole H, and through this hole is passed the bolt L. This bolt L takes the place of the pin which is generally used to hold the axle and its bearings in place with supports D and E. A nut *l*, screwed on the said bolt L, holds my brake firmly in place, while the portion cut away at

G prevents it from swiveling on nut L. This construction allows my brake to be readily attached to or detached from a skate without boring or otherwise modifying the framework thereof.

The pad M N is preferably beveled at N in order to present a nearly flat surface to the floor, and holder F is rounded at *f*, so that as the pad is pressed backward and upward by contact with the floor it will not be cut by a sharp edge of the holder.

The operation of my device is as follows: Ordinarily in skating the pad M N is above and out of contact with the floor. When it is desired to stop, the skater has only to raise the toe of either foot, leaving the rear rollers on the floor, and this brings the pad of my brake in contact with the floor, and the friction quickly stops the skater. In case one starts to fall backward the toes are naturally lifted, the brakes depressed, and the momentum of the feet is stopped to such an extent that the body is thrown forward and the skater readily regains his equilibrium.

What I claim as my invention, and desire to cover by Letters Patent, is—

1. In a detachable roller-skate brake, a friction-pad, a metal holder so formed at one end as to fit the rear-axle supports and so cleft at its other end as to receive said pad, axle-bearings, and supports therefor, combined with a bolt and nut adapted to pass through and hold in place the rear-axle bearings, its supports and said holder.

2. In a detachable roller-skate brake, a metal holder so formed at one end as to fit the rear-axle supports, a friction-pad carried by said holder, and a bolt and nut adapted to pass through and hold in place, the rear-axle bearings, its supports and said holder together with said rear-axle bearings, and its supports as described.

3. In a roller-skate brake, a wedge-shaped friction-pad, combined with a metal holder so cut away at one end as to fit the rear-axle supports and so cleft at its other end as to carry said pad and to present a rounding surface between the end of its top member and said pad and rear-axle supports, as described.

4. In a roller-skate brake, a wedge-shaped

friction-pad, a metal holder adapted at one
end to fit the rear-axle supports and so cleft
at its other end as to carry said pad, a bolt
and nut adapted to hold said holder to the
5 frame of the skate, and pins adapted to hold
the pad and holder together combined with
rear-axle supports, as described.

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

GEORGE M. BEALS.

Witnesses:

JOHN G. GORDON,
GARDNER W. PEARSON.