

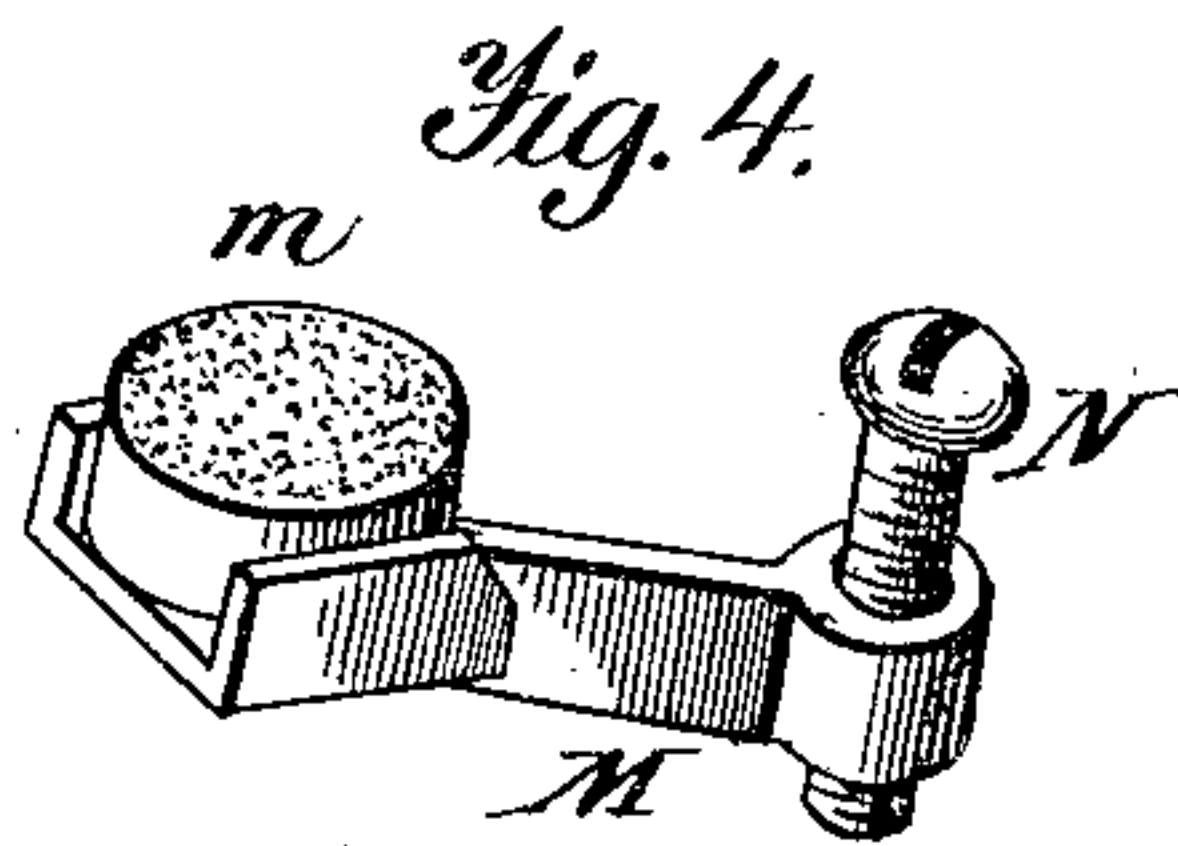
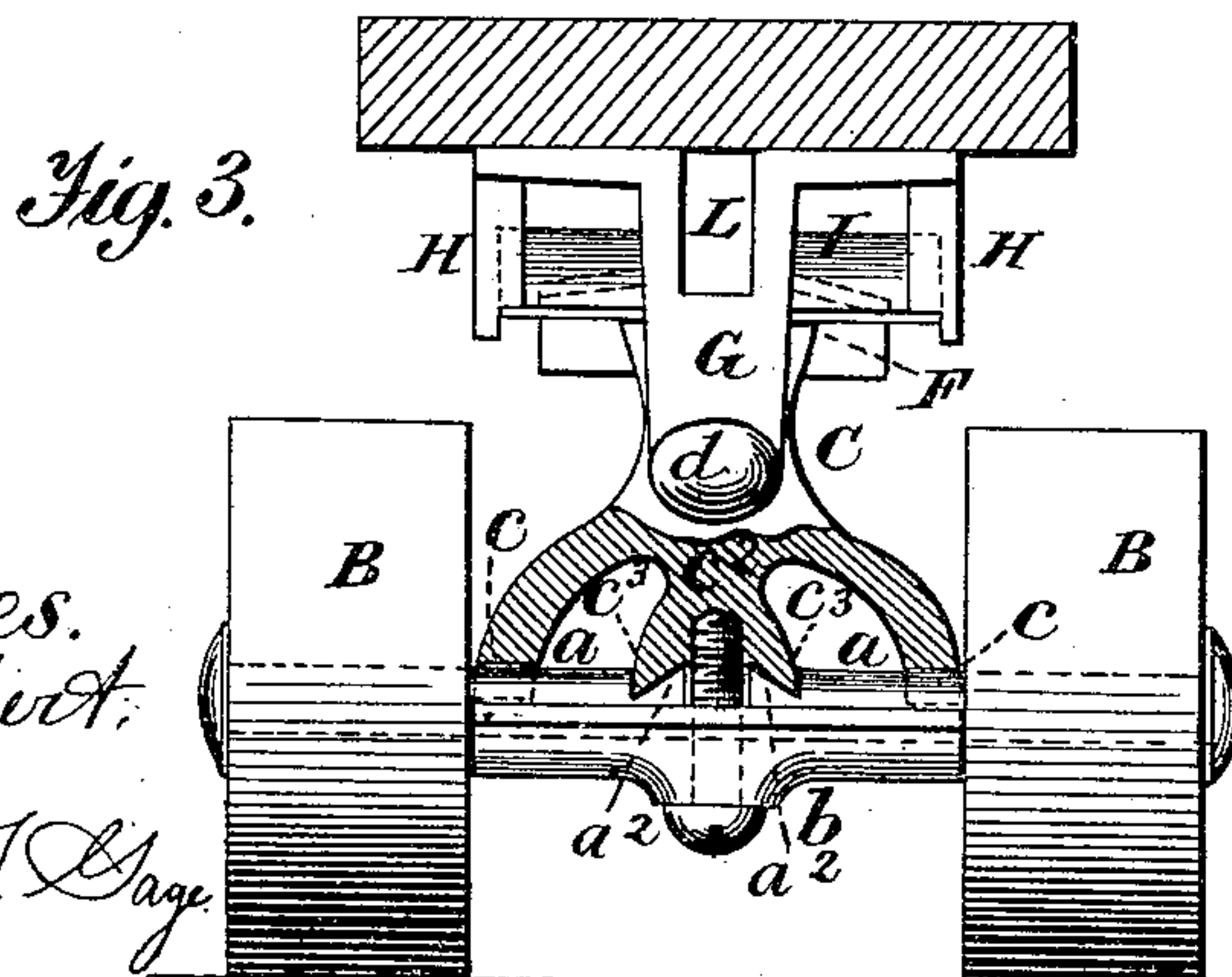
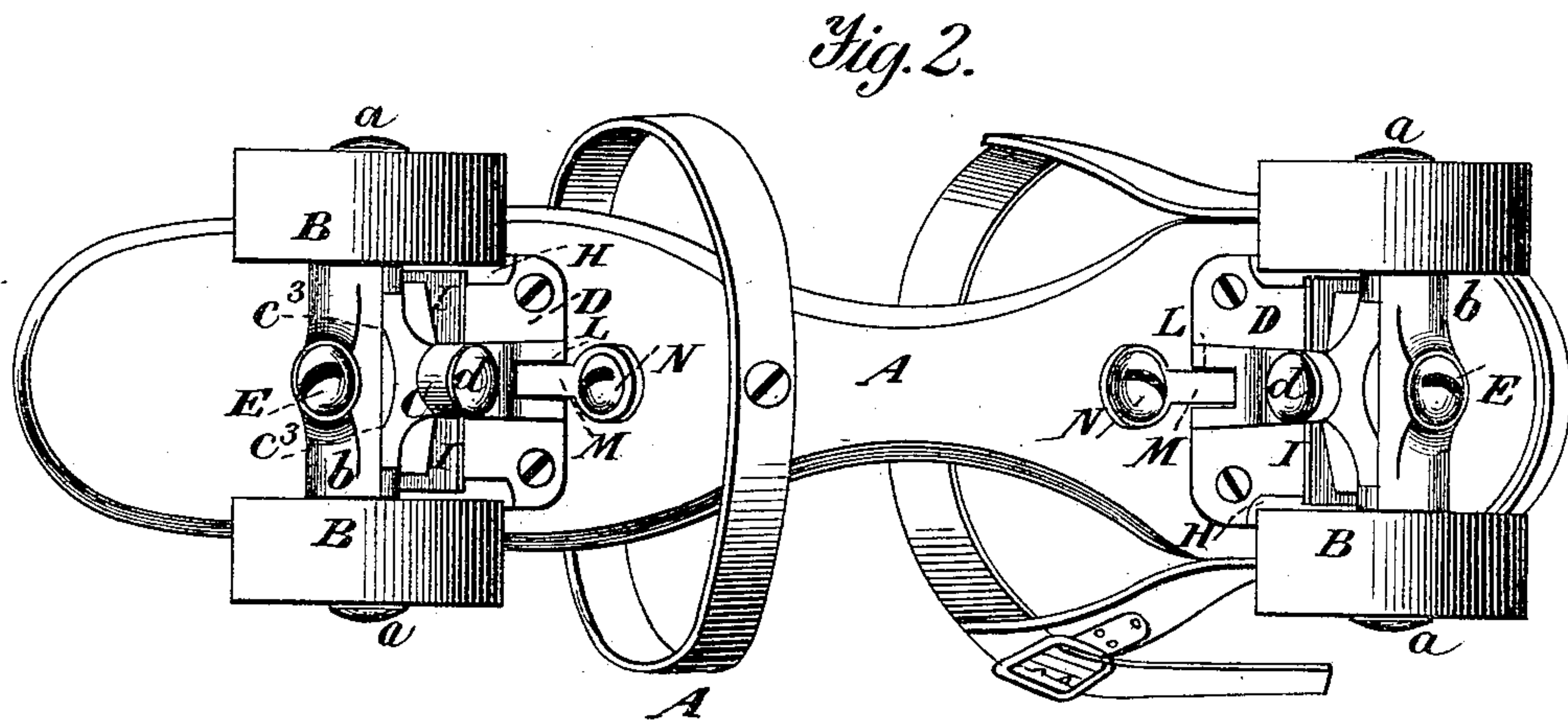
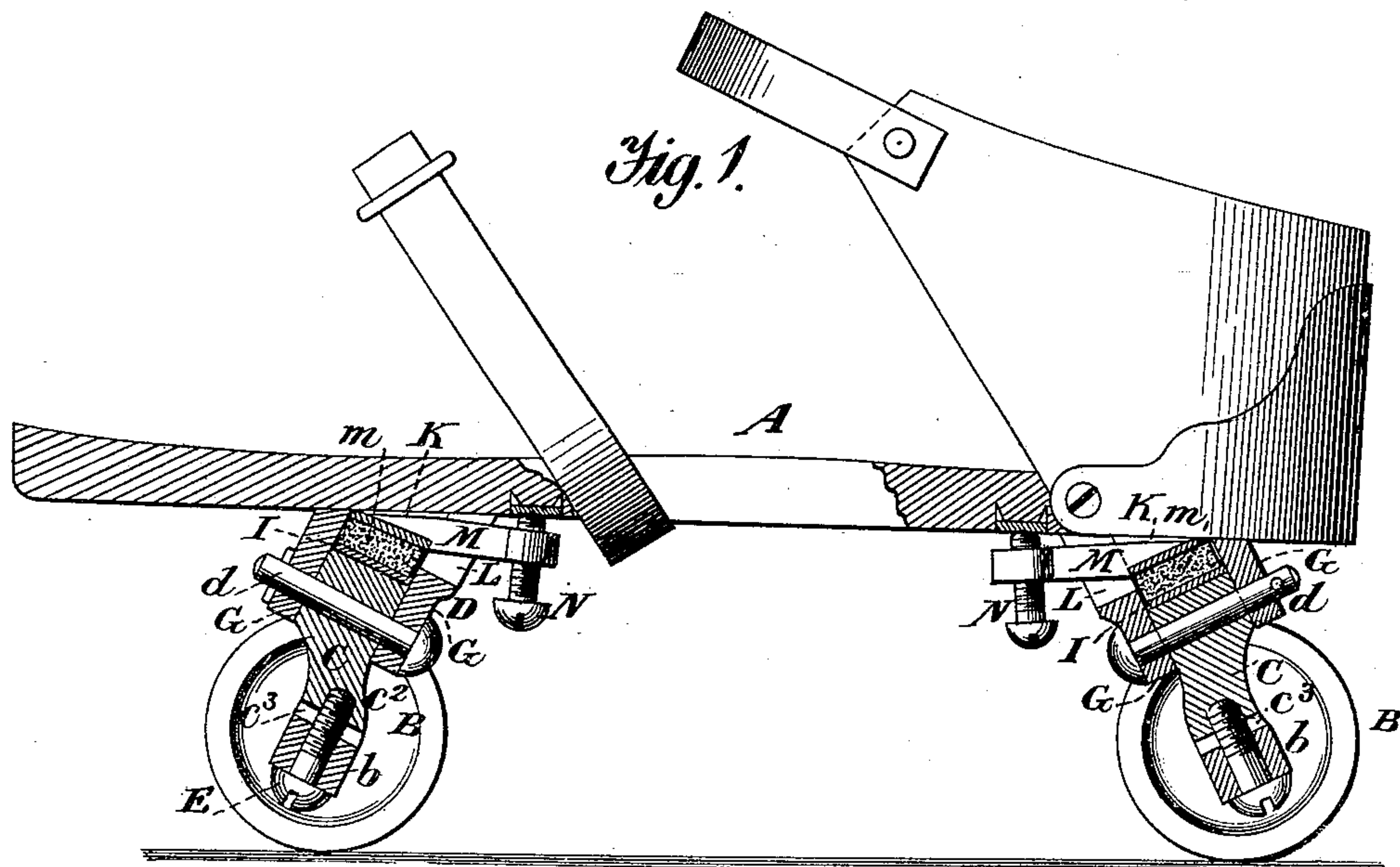
(No Model.)

R. CHESNUT.

ROLLER SKATE.

No. 329,534.

Patented Nov. 3, 1885.



Witnesses.
A. Ruppert.
Alfred T. Sage.

Inventor.
Robert Chesnut
by
Charles M. Hye.
Atty

UNITED STATES PATENT OFFICE.

ROBERT CHESNUT, OF RICHMOND, INDIANA.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 329,534, dated November 3, 1885.

Application filed March 9, 1885. Serial No. 158,278. (No model.)

To all whom it may concern:

Be it known that I, ROBERT CHESNUT, a citizen of the United States, residing in Richmond, in the county of Wayne, in the State of Indiana, have invented certain new and useful Improvements upon Roller-Skates, of which the following is a full, clear, and exact description.

In the drawings, Figure 1 represents an elevation, partly in section. Fig. 2 is a bottom view. Fig. 3 is a front elevation in section. Fig. 4 is an inverted perspective of the tension-adjuster.

The novel features of this invention are, first, the manner of securing the divided axle; second, a metal spring plate to throw the foot-board instantly into its level or natural position; third, curved arms at the top of the hanger to bend the spring-plate and to arrest the deflection of the foot-board; fourth, a rubber block within an adjusting-arm, in combination with the plate, for the purpose of regulating its tension; fifth, a hollow stand, for economy of space, to contain the spring plate and its tension device.

The letters upon the drawings represent the following parts: A, foot-board; B, rollers; C, arched hanger; D, hollow standard; d , pivot for standard to rock upon; a a , divided axle; a^2 a^2 , axle-notch; b , cap to hold the axle; c c , axle-bearings; c^2 , the center of the hanger; c^3 c^3 , fasteners for the axle-notches; E, screw for securing all disjointed parts of axle; F, curved arms to bend the spring-metal plate and to limit the depression of the foot-board; G G, posts for the pivot; H H, ears recessed to receive the spring-metal plate; I, metal plate; K, recess for tension device; L, slot for adjusting-arm; M, tension device or adjusting-arm; m , rubber block; N, adjusting set-screw.

The axle is a divided axle. There are two separate independent axles, a a , one for each roller. The axles never turn. The head of the axle makes a fine finish upon the roller, and does away with any use of linchpins. The bearings for the axles comprise underneath a half-cylindrical cap, b , and overhead the arched hanger C. The hanger has two arms cut out upon the ends into a half-circle,

c c , to fit over the axles and to meet the cap. The center piece, c^2 , has two uses. It has axle-fasteners c^3 c^3 , which fit into V-shaped notches a^2 a^2 at the inner end of each axle for holding the axles stationary, and it has sufficient body to receive the large screw E, which secures all these parts together. By loosening the screw the axles can be easily and quickly removed. The foot-board A is rocked upon the pivot-posts G G and the pivot d . It is thrown back and kept in a level position by the spring-plate I. If the skater rocks the foot-board to either side, the curved arms F will bend the plate, as shown in dotted lines, Fig. 3, and allow a deflection of the foot-board until the plate rests flat upon one of the curved arms, when the deflection is arrested. The plate may be recessed into the ears H, thereby hiding the ends of the plate from sight, or the plate, which is not attached to anything, may be inserted into place without any recess. The standard D has a recess, K, to receive the rubber block m . Upon one side of the standard is a slot, L, in which the adjusting-arm M may be moved by the set-screw N, which will compress or loosen the rubber block, and thus increase or lessen the tension of the metal plate.

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

1. The axle-fasteners c^3 c^3 , in combination with V-shaped notches a^2 a^2 , for holding the divided axle a a stationary.

2. The combination, with the divided axle a a , of the rollers B B, cap b , bearings c c , fasteners c^3 c^3 , and screw E, substantially as described.

3. The hollow standard D, containing an independent spring-metal pressure-plate, I, rubber block m , and adjusting-lever M.

4. The tension device consisting of the spring-metal plate I, arm M, and rubber block m , operated within the hollow standard D, through the slot L, by means of the set-screw N, as described.

5. The combination, with the hanger C, by means of a pivot, d , of the hollow standard D, arranged above the pivot and containing a spring-metal pressure-plate and a tension device, constructed and operating as described.

6. The arms F F over the hanger C, for arresting the action of the spring-metal plate I and limiting the deflection of the foot-board A, as described.

5 7. The combination, with the hanger C, by means of the pivot *d*, of the hollow standard D, spring-plate I, and arms F F, as described.

In testimony whereof I hereunto set my

hand, in presence of two witnesses, at the city of Washington, this 5th day of March, A. D. 1885.

ROBERT CHESNUT.

Witnesses:

JAMES H. MANDEVILLE,
D. K. APPLE.