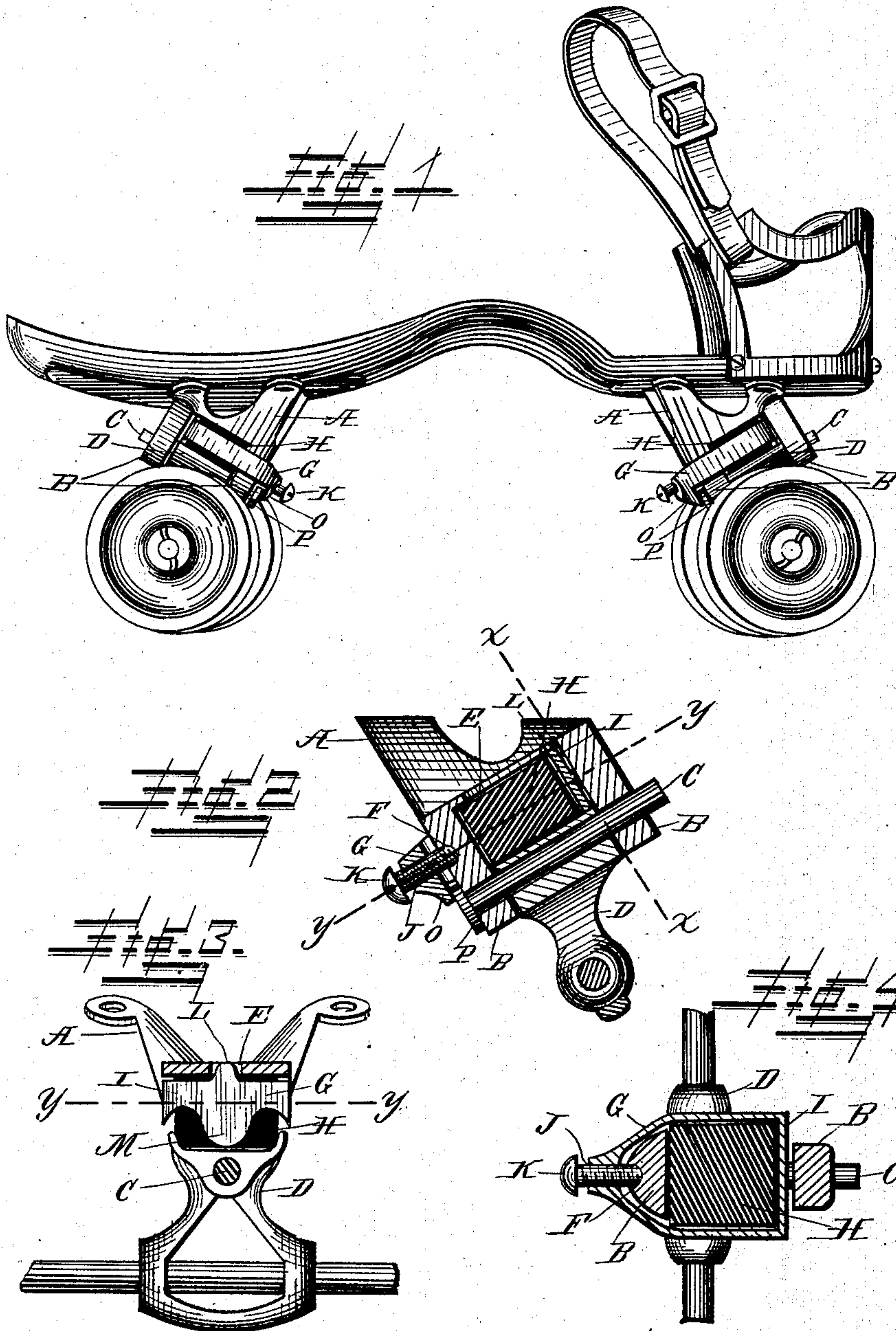


(No Model.)

THOMPSON M. & THEODORE M. CONNER.
ROLLER SKATE.

No. 322,350.

Patented July 14, 1885.



WITNESSES
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UNITED STATES PATENT OFFICE.

THOMPSON M. CONNER AND THEODORE M. CONNER, OF RICHMOND, INDIANA,
ASSIGNORS TO THE CONNER AND MATHER MANUFACTURING COMPANY,
OF SAME PLACE.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 322,350, dated July 14, 1885.

Application filed March 20, 1885. (No model.)

To all whom it may concern:

Be it known that we, THOMPSON M. CONNER and THEODORE M. CONNER, both residents of Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Roller-Skates; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a roller-skate provided with our improvement. Fig. 2 is a longitudinal vertical section through one of the brackets. Fig. 3 is a vertical cross-section of the same on line *x x*, Fig. 2; and Fig. 4 is a horizontal section on lines *y y*, Figs. 2 and 3.

Similar letters of reference indicate corresponding parts in all the figures.

Our invention has relation to that class of roller-skates having a yielding cushion interposed between the bracket secured to the bottom of the board and the bracket having the rollers; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the bracket secured to the board, which bracket has the two perforated lips, B B, through which extends the pin C, upon which the upper flat end of the roller-supporting bracket D is pivoted, and the said upper bracket, A, is formed with a longitudinal slot, E, in its upper plate, and with a recess, F, in its long lip above the perforation.

G is a stirrup-shaped frame, which fits around the yielding block H, having its inner end piece, I, bearing against the block inside of the short lip of the upper bracket, and having its side pieces bearing against the sides of the block, while its outer end piece is formed with a screw-threaded perforation, J, which accommodates a set-screw, K, fitting with its inner end in the recess F.

The inner end piece, I, of the stirrup-shaped frame is provided with an upwardly-projecting lug, L, which slides in the slot E in the upper bracket, and with a downwardly-projecting lip, M, which bears against the end of the elastic block, and the outer end piece, N, is provided with a downwardly-projecting lip, O, which bears against the outer side of the head P of the pin C when the frame is adjusted in its proper position, holding the pin and securing it.

It will be seen that the upwardly-projecting lug upon the inner end piece will guide the frame as it is drawn against the elastic block by means of the screw, and drawing the frame against the block will increase its tension, the side pieces of the frame confining the block. The downwardly-projecting lip upon the inner end piece of the stirrup-shaped frame will raise the said end piece by bearing against the top of the lower bracket, so as to hold the outer end piece of the frame down, thus causing the downwardly-projecting lip upon the outer end piece to project down over the head of the pivotal pin, keeping it in its place.

When it is desired to withdraw the said pin, the set-screw is screwed out, when the outer end of the frame may be raised, and thus allow the pin to be withdrawn; and it will be seen that by tightening the set-screw the inner end piece of the frame will compress the rubber laterally, so as to increase its vertical tension.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

1. In a roller-skate, the combination of the upper bracket having the lips confining the elastic block endwise, the elastic block, the lower bracket confining the elastic block from below, and a stirrup-shaped frame surrounding the elastic block bearing against one end and the sides of the same, and having means, substantially as shown, for tightening its inner end piece against the end of the block, as and for the purpose shown and set forth.

2. In a roller-skate, the combination of the elastic block, the upper bracket having the downwardly-projecting lips, the lower bracket

pivoted with its upper flat end between the said lips, a stirrup-shaped frame bearing with its inner end and with its side pieces against the end and sides of the block, and a screw 5 passing through the outer end piece of the frame and bearing with its inner end against the lip of the upper bracket, as and for the purpose shown and set forth.

3. The combination of the upper bracket, A, 10 having the lips B B, and formed with the longitudinal slot E, the elastic block, the lower bracket pivoted between the lips of the upper bracket, and the stirrup-shaped frame having the upwardly-projecting lug L and 15 the set-screw K, as and for the purpose shown and set forth.

4. The combination, in a roller-skate, of the upper bracket, A, having the lips B B, the 20 recess F, the elastic block, the lower bracket fitting between the lips B, the pivotal pin C, passing through the perforated lips B and having head P, and the stirrup-shaped frame G, having its inner end piece bearing against 25 the elastic block, and having the lip O, projecting downward from its outer end piece,

and the screw K, passing through the said end piece and fitting into the recess F, as and for the purpose shown and set forth.

5. In a roller-skate, the combination of the 30 upper bracket having the perforated lips B B, the longer one of which has the recess F above the perforation, the elastic block, the lower bracket pivoted between the perforated lips, the pivotal pin C, having head P and passing 35 through the perforated lips and through the upper end of the lower bracket, and the stirrup-shaped frame formed with the downwardly-projecting lip M upon its inner end piece and with the downwardly-projecting lip O 40 upon its outer end piece, and having the set-screw K, fitting with its inner end into the recess F, as and for the purpose shown and set forth.

In testimony that we claim the foregoing as 45 our own we have hereunto affixed our signatures in presence of two witnesses.

THOMPSON M. CONNER.
THEODORE M. CONNER.

Witnesses:

JOSEPH H. KIBBEY,
ADA LEWIS.