

(No Model.)

H. C. HART.
ROLLER SKATE.

No. 324,377.

Patented Aug. 18, 1885.

Fig. 1.

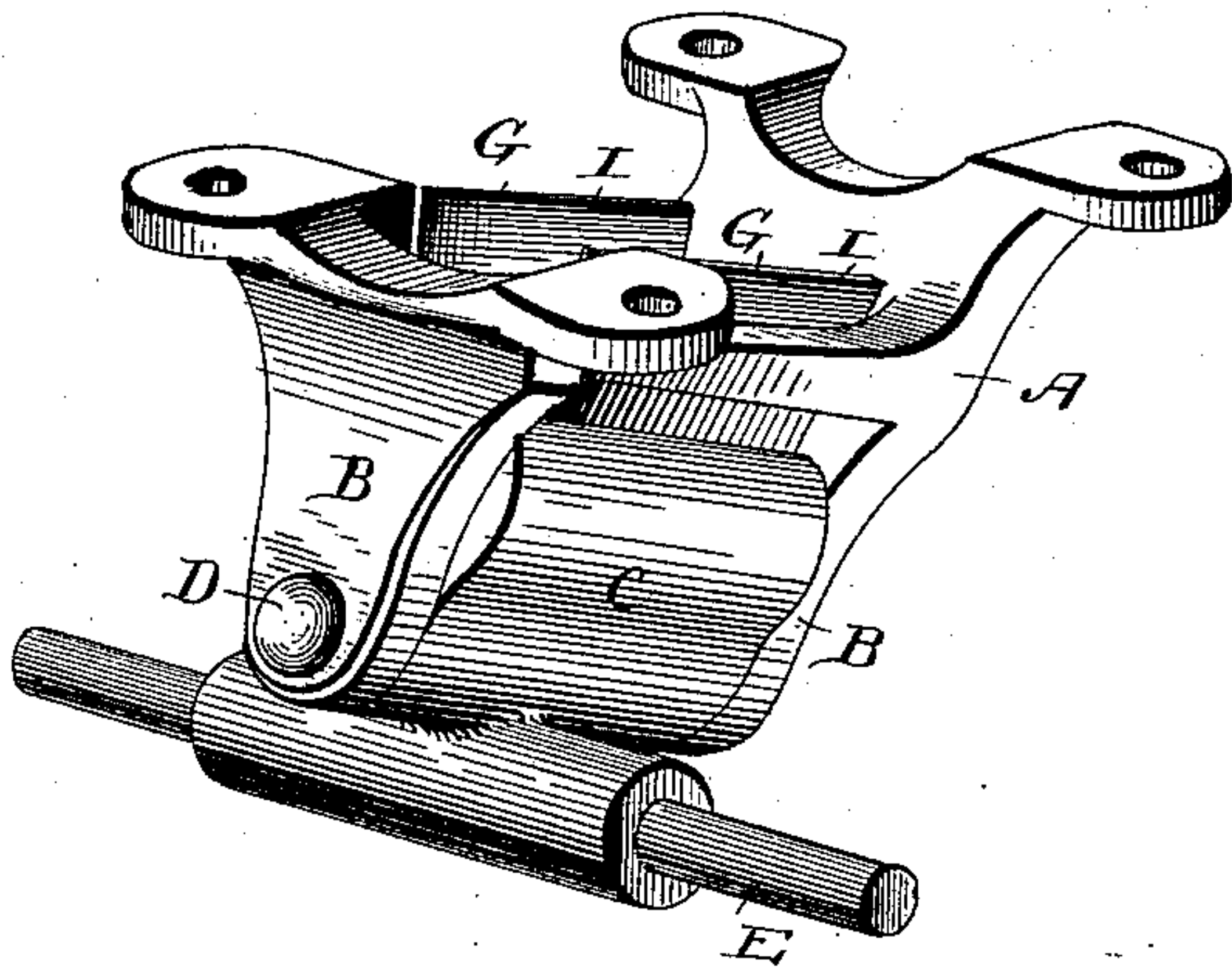


Fig. 4.

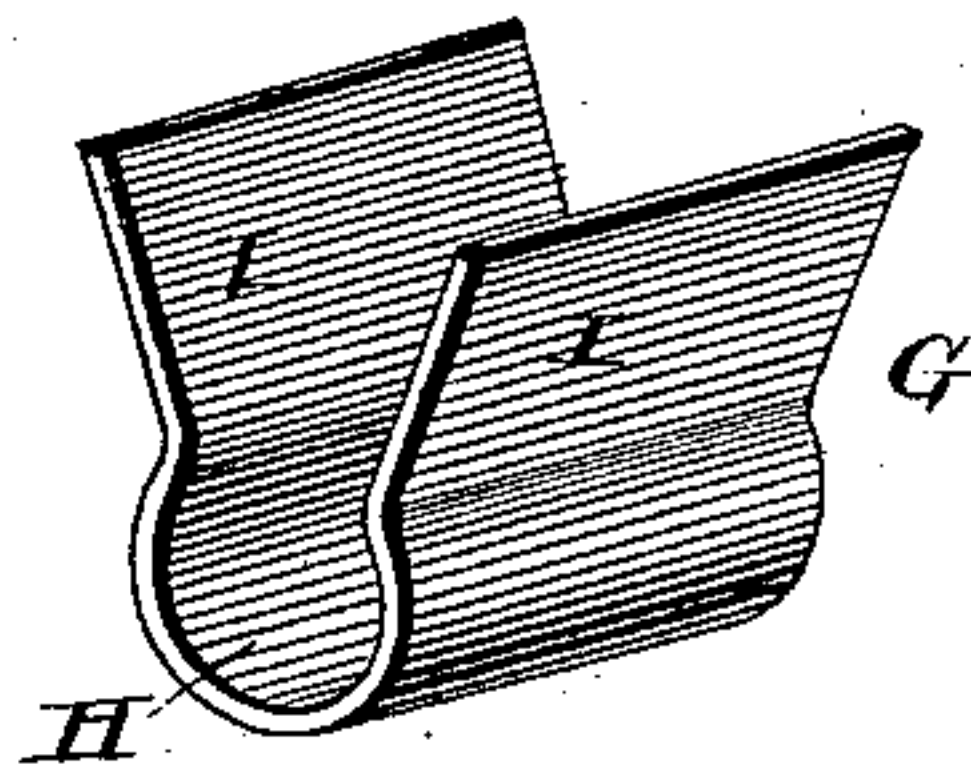


Fig. 2.

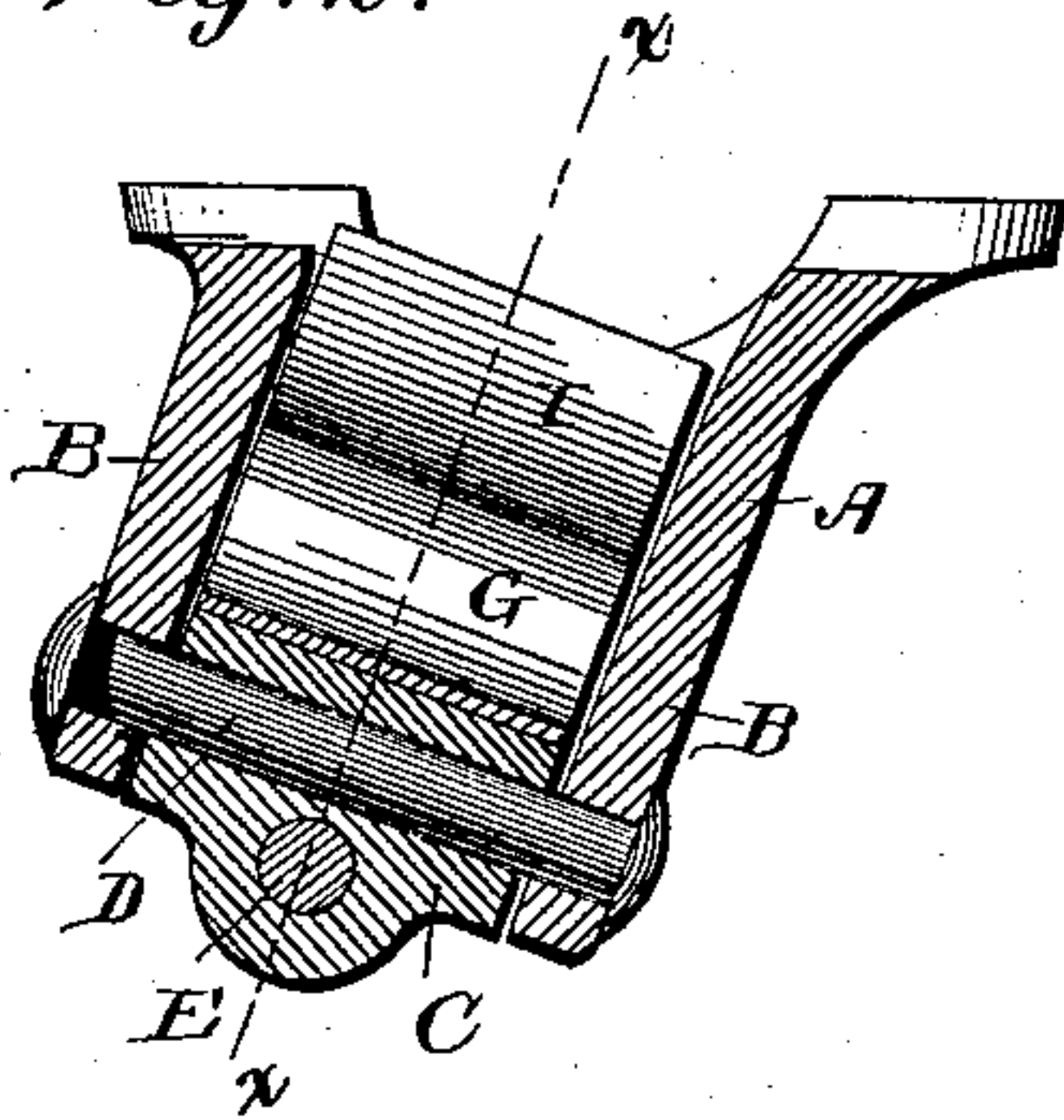


Fig. 3.

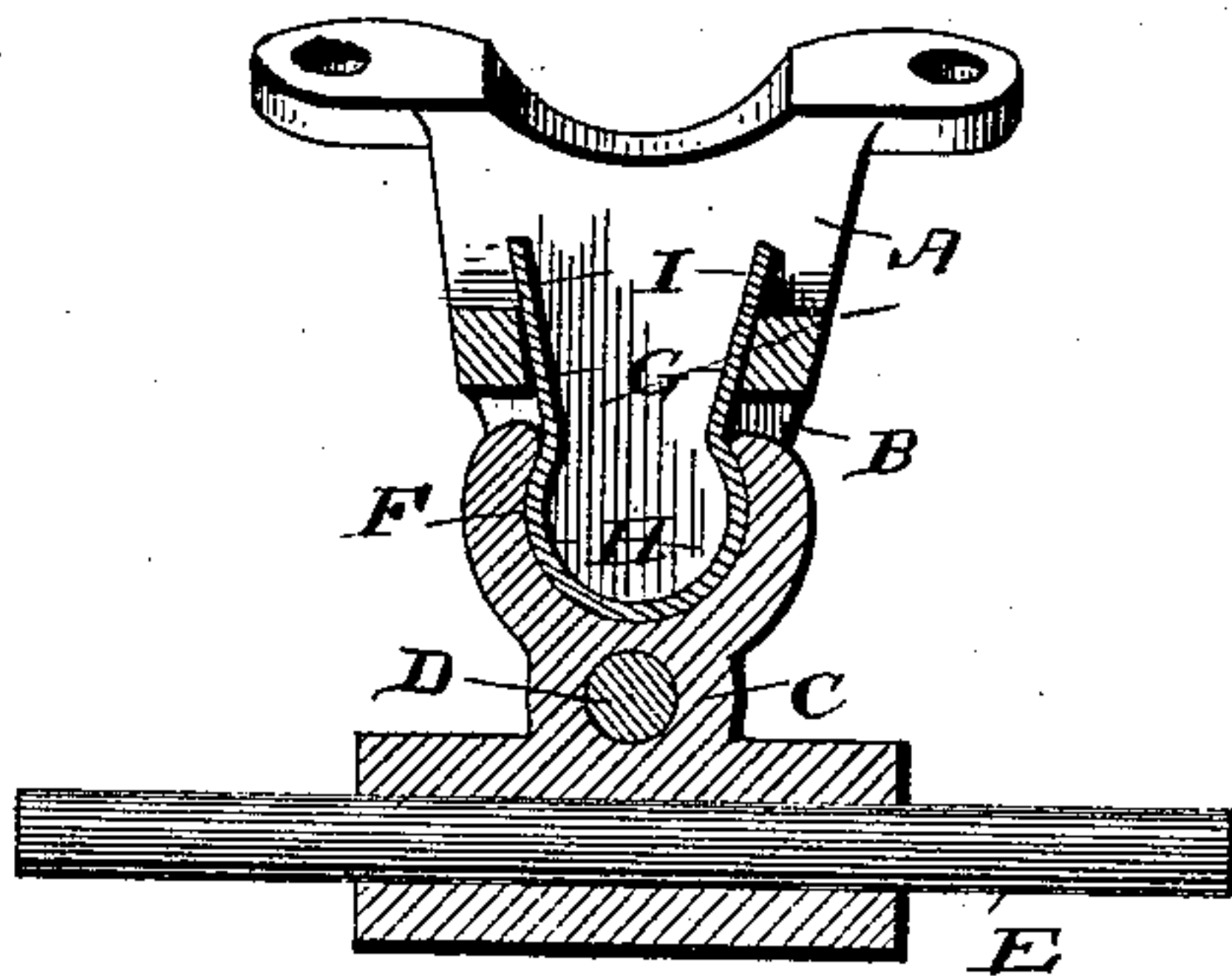


Fig. 5.

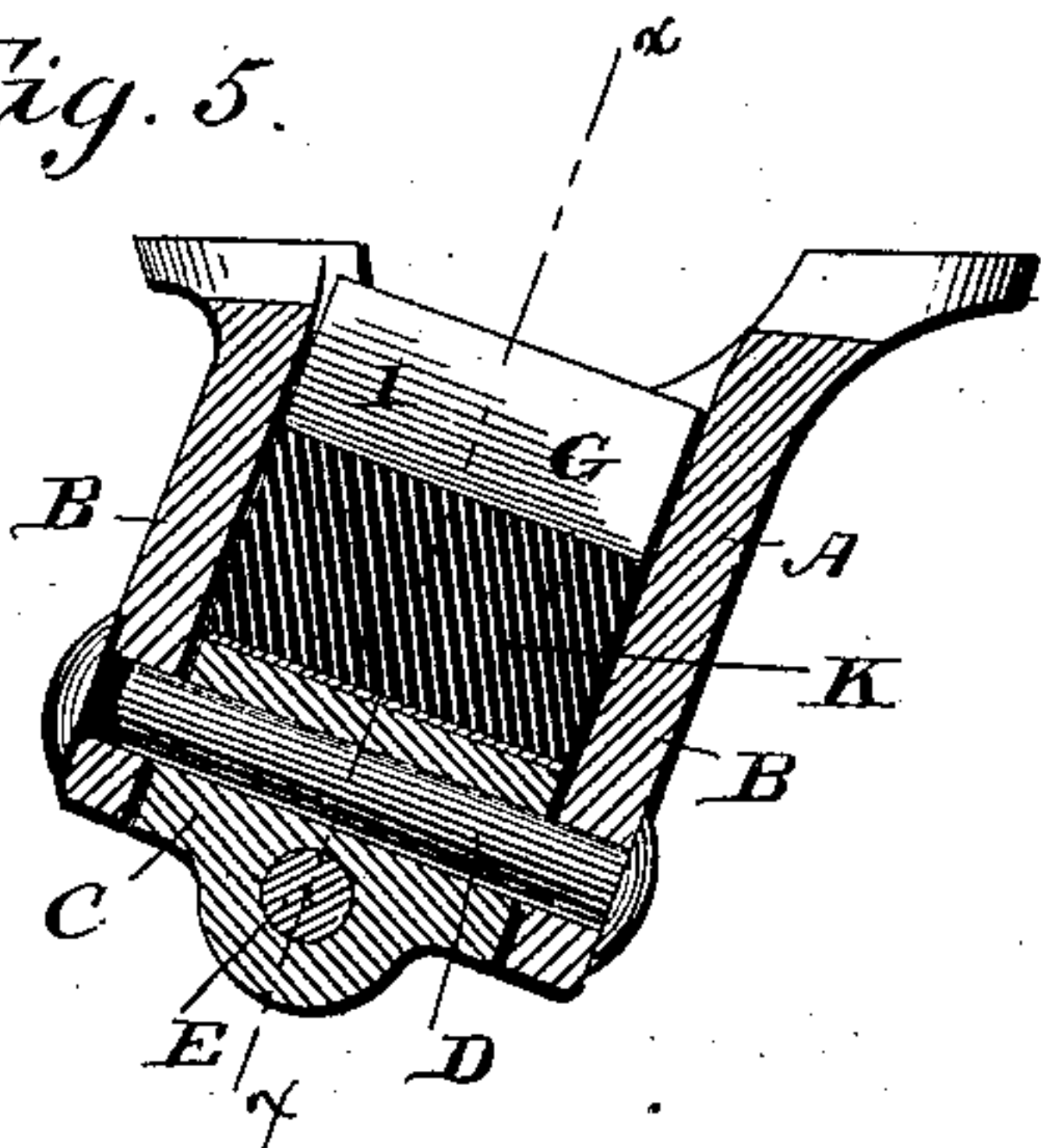
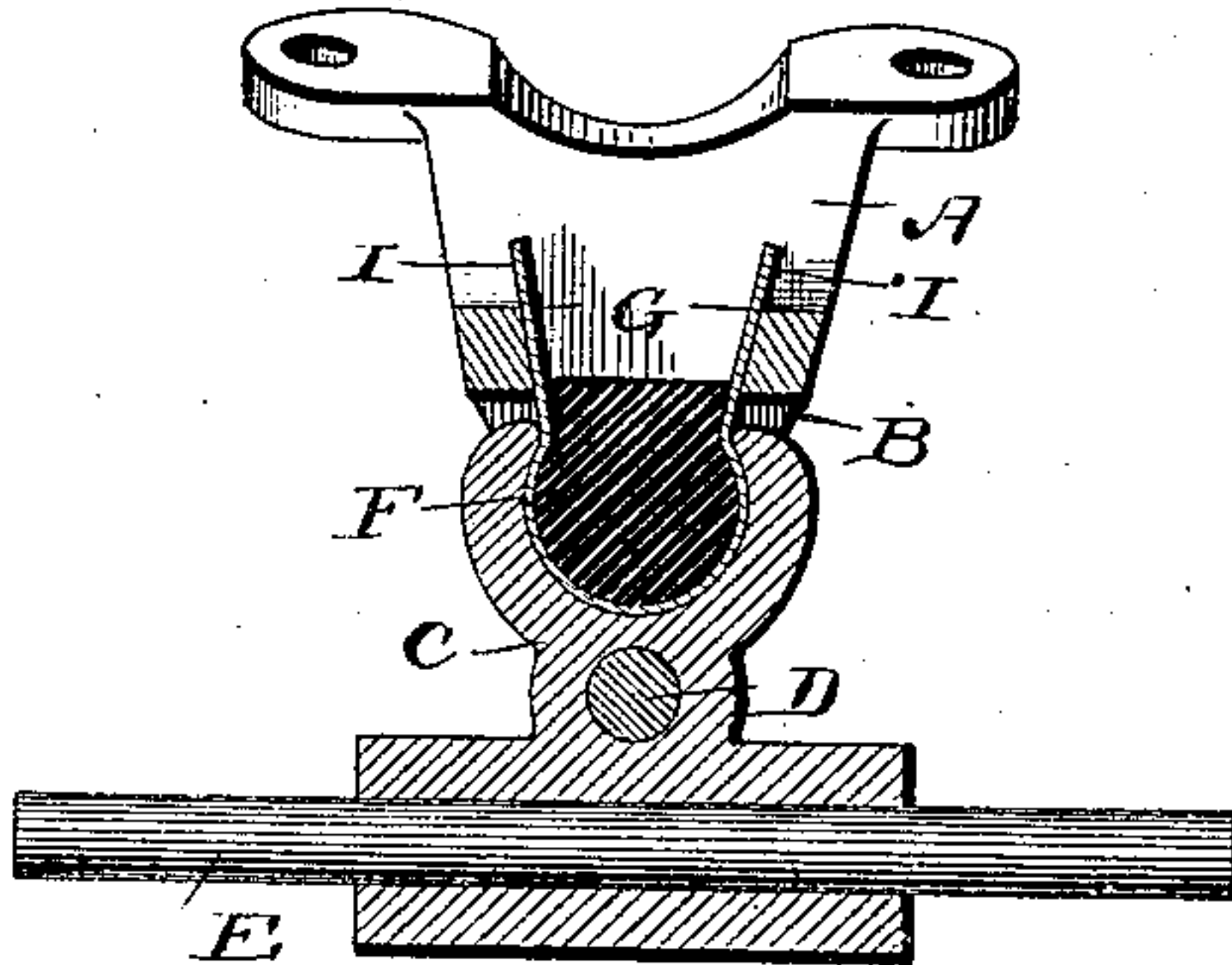


Fig. 6.



WITNESSES

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HUBERT C. HART, OF UNIONVILLE, CONNECTICUT.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 324,377, dated August 18, 1885.

Application filed June 12, 1885. (No model.)

To all whom it may concern:

Be it known that I, HUBERT C. HART, a citizen of the United States, and a resident of Unionville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Roller-Skates; and I 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 truck equipped with my improved spring and detached from the foot-board of the skate. Fig. 2 is a longitudinal vertical sectional view of the same. Fig. 3 is a vertical transverse sectional view taken on the line *xx* in Fig. 2. Fig. 4 is a perspective view of the spring detached from the roller-truck. Fig. 5 is a longitudinal vertical sectional view illustrating a modification of the invention, and Fig. 6 is a vertical transverse sectional view taken on the line *xx* in Fig. 5.

The same letters refer to the same parts in all the figures.

This invention relates to roller-skates; and it consists in the combination, with the roller-truck, of an improved spring, whereby simplicity, durability, and inexpensiveness shall be promoted.

The invention consists, specifically, in the improved construction and arrangement of the said spring, as will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A designates the bracket or hanger, which is to be secured in the usual manner to the underside of the foot-board of the skate, and which is provided with the downwardly-extending arms B B, between which the roller-carrier C is hinged or pivoted upon a longitudinal pin or bolt, D. The said roller-carrier is provided with the transversely-located axle E, the ends of which carry the rollers, which are of ordinary construction, and mounted upon the ends of the axle in the usual manner.

The roller-carrier, or "body-piece," as it is sometimes called, is provided with a longi-

tudinal recess, F, in which is seated a flat spring, G, which is bent to an approximate U shape, so as to fit in the said recess, the lower end or head of the said spring being, however, somewhat enlarged, as shown at H, so as to cause it to be retained securely in the said recess.

The ends of the leaves I I of the spring G are arranged to bear against the sides of the yoke or bracket A, as shown in the drawings hereto annexed, thereby serving to retain the body-piece or roller-carrier in its proper position with relation to the said yoke or hanger, and at the same time allow it to tilt in operation, thus forming a connection which combines the necessary elements of rigidity and elasticity to form a useful and efficient device for the purposes intended.

In Figs. 5 and 6 of the drawings I have illustrated a modification of the invention, which simply consists in placing a rubber block or cushion, K, in the lower portion or head of the U-shaped spring, which latter is thereby rendered stiffer and more rigid, and hence more effective, although thinner material may be employed in the manufacture of the spring. I would have it understood that while I reserve to myself the right to this rubber block or cushion, it is no absolutely necessary or indispensable element of the invention.

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

1. In a truck for roller-skates, the combination of the yoke or hanger, the pivoted body-piece or roller-carrier having a suitable socket, and a bent flat spring seated in the said socket with its wings or leaves bearing against the sides of the yoke or hanger, substantially as and for the purpose herein set forth.

2. In a truck for roller-skates, the combination, with the yoke or hanger, of the pivoted body-piece or roller-carrier having a suitable longitudinal socket, and a flat bent or approximately U-shaped spring seated in the said socket, and having an enlarged lower portion or head, substantially as herein described, for the purpose set forth.

3. In a truck for roller-skates, the combi-

5 nation of a yoke or hanger, a pivoted body-piece or roller-carrier having a longitudinal socket, a bent flat spring seated in said socket with its wings or leaves bearing against the sides of the yoke or carrier, and a rubber block or cushion seated in the said spring, substantially as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

HUBERT C. HART.

Witnesses:

CARLOS L. MASON,
EMMETT C. KING.