

J. S. WHITWORTH.

Improvement in Brake Shoes.

No. 123,655.

Patented, Feb. 13, 1872.

Fig. 1.

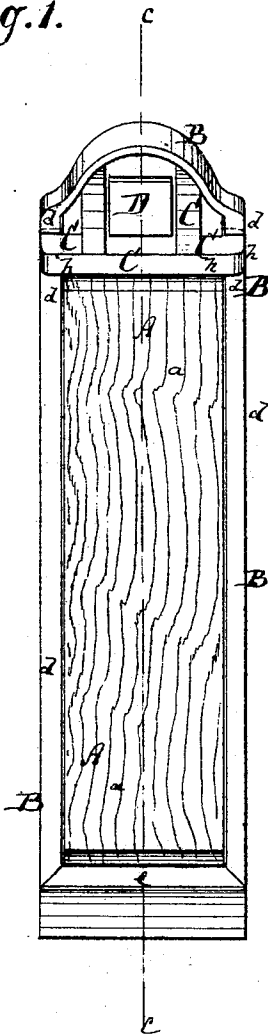


Fig. 2.

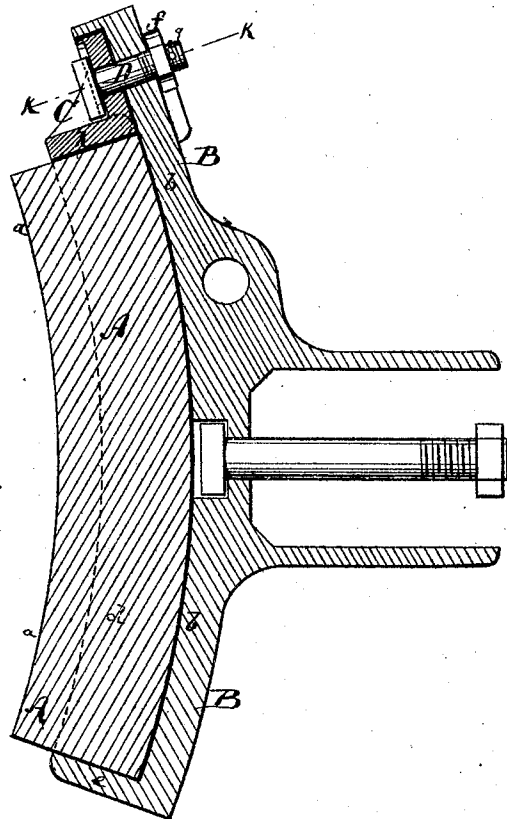
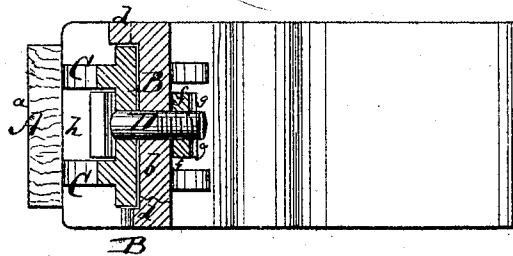


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN S. WHITWORTH, OF NORFOLK, VIRGINIA.

IMPROVEMENT IN BRAKE-SHOES.

Specification forming part of Letters Patent No. 123,655, dated February 13, 1872.

To all whom it may concern:

Be it known that I, JOHN S. WHITWORTH, of Norfolk, in the county of Norfolk and State of Virginia, have invented a new and Improved Car-Brake; 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 drawing forming part of this specification, in which—

Figure 1 represents a face view of my improved car-brake. Fig. 2 is a longitudinal section of the same taken on the plane of the line *c c*, Fig. 1. Fig. 3 is a transverse section of the same taken on the plane of the line *k k*, Fig. 2.

Similar letters of reference indicate corresponding parts.

This invention relates to a new manner of affixing the brake body or block in its retaining-shoe or box; and consists in the application to the same of a peculiar angle-iron, bearing against one end of the block, and fastened to the box to form the requisite connection.

A in the drawing represents the arched block or body of the brake. It is made of wood or other material, with a concave outer or brake surface, *a*, as shown. B is the cast-metal shoe for holding the block A. It is made with a back plate, *b*, curved to fit the convex

back of the block, and with projecting side flanges *d d*, which embrace the sides, and with a projecting lip, *e*, at the lower part, supporting the lower end of said block. The shoe B is in suitable manner fastened to a beam or other device. C is an angle-iron, as wide as the shoe B. It is fitted into the upper part of said shoe so as to be on the upper end of the block A, and is, by a bolt, D, fastened to the shoe. The nut *f*, which is applied to the bolt D for securing it, may be locked by a pin or ring, *g*, drawn through the end of said bolt, as shown. The flanges *d* at the sides of the shoe are recessed to admit the lower plate *h* of the angle-iron, and aid thus in holding the latter in place. By being thus fastened by means of the angle-iron C, the block is securely held to the shoe, but may be conveniently removed when worn and replaced.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The angle-iron C, applied to the shoe B, for securing the block A of a car-brake, substantially as herein shown and described.

JOHN S. WHITWORTH.

Witnesses:

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