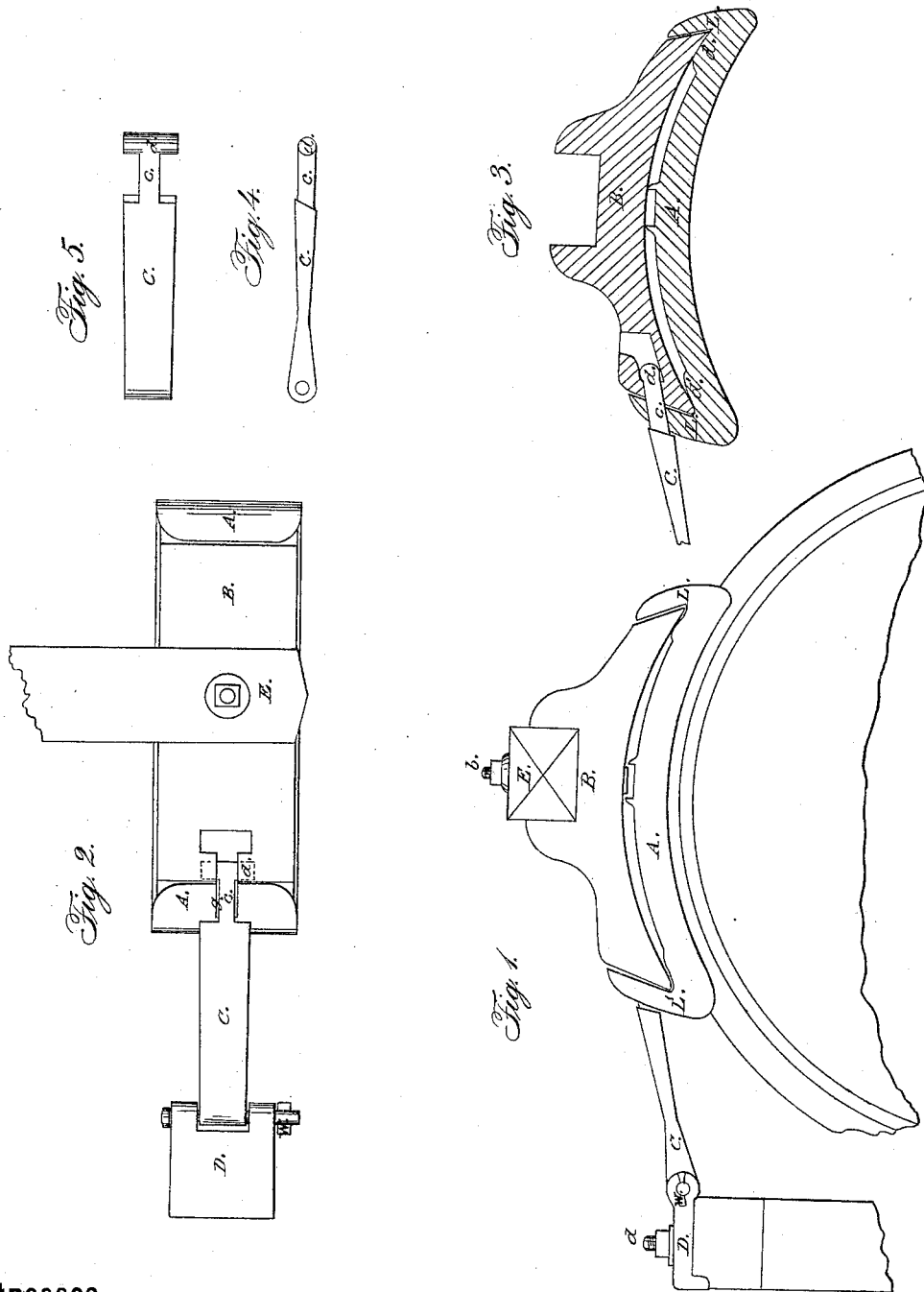


B. DE VOUT.
Car-Brake Shoe.

No. 51,298.

Patented Dec. 5, 1865.



Witnesses:

Thos. H. Montgomery
Wm. H. Hinks.

Inventor:

Bartholomew De Vout.

UNITED STATES PATENT OFFICE.

BARTHOLOMEW DE VOUT, OF HARRISBURG, PENNSYLVANIA.

IMPROVED BLOCK FOR CAR-BRAKES.

Specification forming part of Letters Patent No. **51,298**, dated December 15, 1865.

To all whom it may concern:

Be it known that I, BARTHOLOMEW DE VOUT, of the city of Harrisburg, county of Dauphin, State of Pennsylvania, have invented a new and useful Improvement for Brake-Blocks, Liners, and Hangers for Railroad-Cars; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure I is a side view showing it hung to the cross-piece of the car-truck. Fig. II is a back view of the same. Fig. III is a sectional view cut through the center of the block and liner. Figs. IV and V are the front and side views of the hanger.

The improvement consists of three parts, the hanger C and D, which is of wrought-iron, the brake-block B, and the liner A, both of cast-iron. The part D of the hanger is firmly secured upon the cross-piece of the car-truck. The part C is attached to D by means of a pin, P, secured with a key, which allows it to swing or move readily. The lower end of C is formed as shown in Figs. II and III. The liner A has ledges L and L' cast on the top and bottom made to fit the upper and lower ends of the

brake-block. In the upper ledge, L', a groove is made, as shown at *g*, as shown on Figs. II and III, into which the portion *c* of the hanger C works, thus securing the liner to the block and preventing the liner from coming off. The portions of the liner at the upper and lower end, *d* and *d'*, is cast full, so as to bear against the ends of the brake-block.

The liner is removed or attached by first removing the key of the pin P, and then withdrawing the pin P, which lets fall the part C of the hanger, which falls clear of the groove *g* in the liner. The liner is then removed or attached, the brake-blocks being held in position by stay-chains, with which most brakes are provided.

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

The form and construction of the brake-block and liner, together with the form of the hanger and the mode of securing the liner to prevent its coming off and to expedite its removal and replacement, as substantially set forth and described.

BARTHOLOMEW DE VOUT.

Witnesses:

JACOB SHELL,
S. M. SIMON.