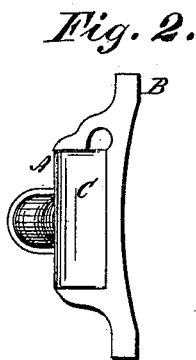
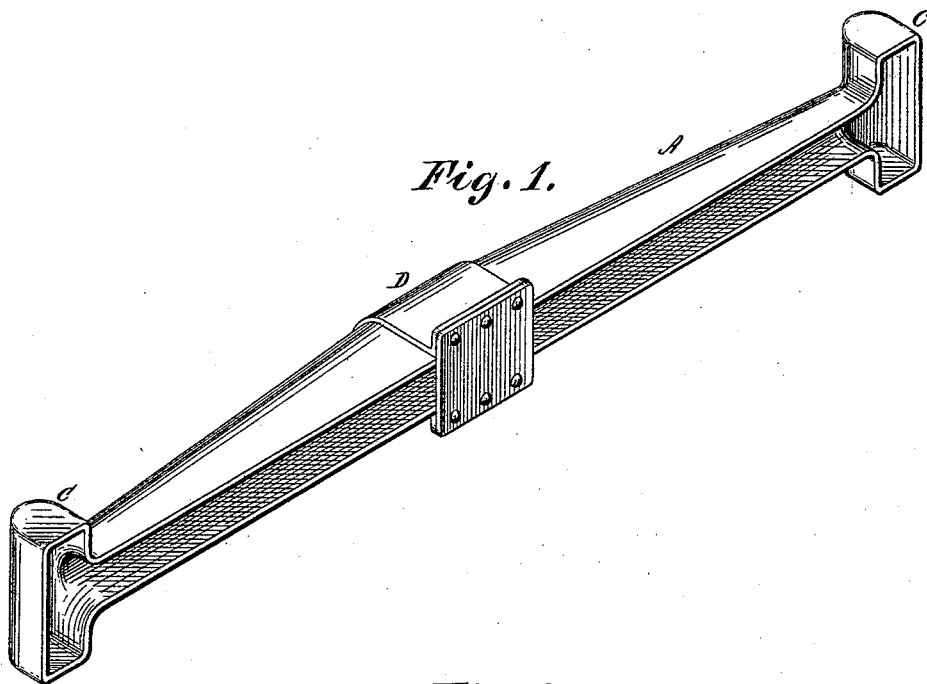


(No Model.)

S. FOX.
METALLIC BRAKE BEAM.

No. 419,603.

Patented Jan. 14, 1890.



Witnesses:

Geo. W. Miatt
D. W. Gardier

Inventor:

Samson Fox
By his Attorney,
E. N. Dickerson

UNITED STATES PATENT OFFICE.

SAMSON FOX, OF HARROGATE, COUNTY OF YORK, ENGLAND.

METALLIC BRAKE-BEAM.

SPECIFICATION forming part of Letters Patent No. 419,603, dated January 14, 1890.

Application filed May 20, 1889. Serial No. 311,478. (No model.)

To all whom it may concern:

Be it known that I, SAMSON FOX, a subject of the Queen of Great Britain, residing at Harrogate, in the county of York and Kingdom of Great Britain and Ireland, have invented certain new and useful Improvements in Metallic Brake-Beams, of which the following is a description.

This invention relates to a brake-beam of pressed steel of peculiar configuration, and adapted for the reception and support at the ends of the brake-shoe, as will be hereinafter more fully described.

My invention will be readily understood from the accompanying drawings, in which—

Figure 1 represents an elevation of my brake-beam, and Fig. 2 an end view showing the shoe attached.

My invention consists of a metallic box of the shape of the brake-beam, having T-shaped ends, all pressed from one piece of steel, the said T-shaped ends being constructed for the reception and support of the brake-shoe.

The brake-beam itself is represented at A, and consists of a plate of steel pressed into a hollow form, as indicated. At the ends the

blank of steel is sufficiently large to form, when pressed, the T-shaped heads C, which are adapted for the reception of the brake-shoe B. The brake-beam is drawn by a strap D, or by any other suitable mechanism. By the T-shaped heads C, formed integral with the body of the metal, the shoes are firmly held in position, and rigidity at that point is insured.

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

1. The brake-beam A, formed of pressed steel and having pressed therein the hollow T-shaped heads C, all formed from one plate of steel in the process of pressing, substantially as described.

2. The within-described improved brake-beam for rolling stock of pressed steel with terminal heads, as a new article of manufacture.

Leeds, April 25, 1889.

SAMSON FOX.

In presence of—

THOS. E. CRAVEN,

WILLIAM SADLER,

Both of Leeds.