

E. M. APPLEBAUGH & J. D. HOCKENBURY.

FULCRUM FOR BRAKE BEAMS.

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983,799.

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Fig. 1

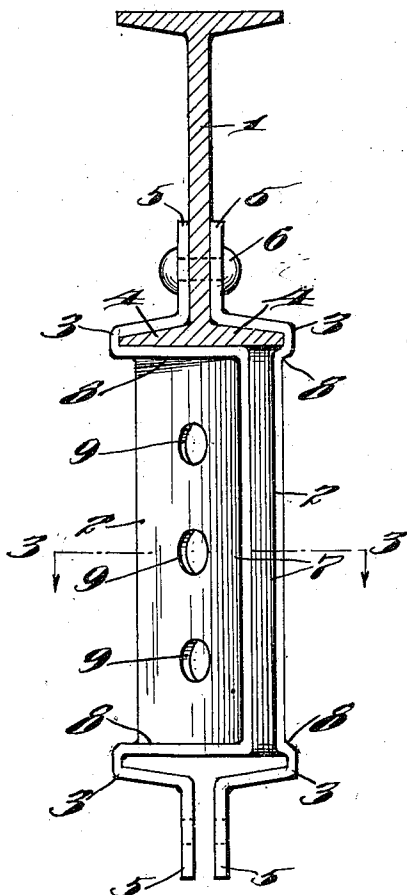


Fig. 2

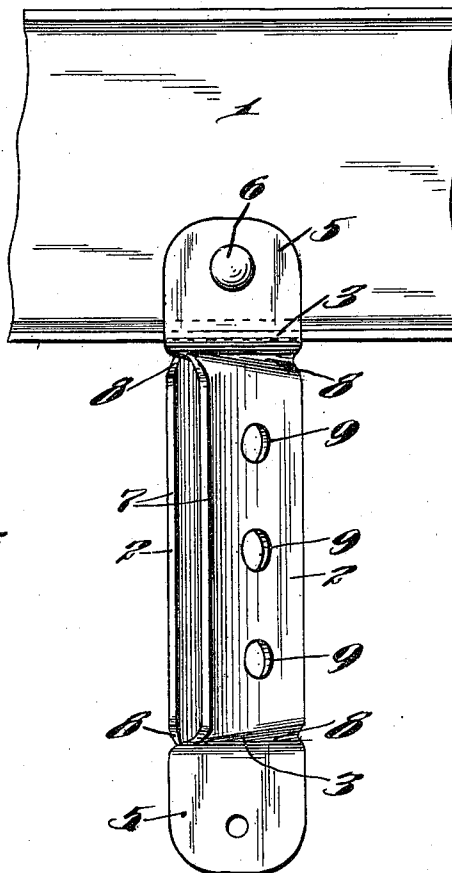
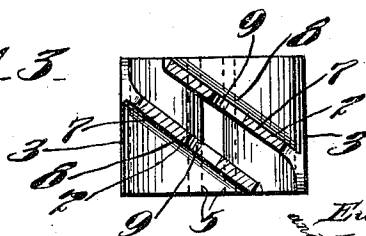


Fig. 3



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UNITED STATES PATENT OFFICE.

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FULCRUM FOR BRAKE-BEAMS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, EUGENE M. APPLEBAUGH and JONAS D. HOCKENBURY, citizens of the United States, residing at Danville, county of Montour, and State of Pennsylvania, have invented certain new and useful Improvements in Fulcrums for Brake-Beams, of which the following is a specification.

Our invention relates to improvements in fulcrums for brake beams, the object of the invention being to provide an improved combination reversible right and left hand fulcrum. In other words one that can be used either as a right or a left hand fulcrum by simply reversing the fulcrum end to end, both ends being constructed to be secured to a brake beam and having an intermediate portion adapted to receive and pivotally support a brake lever.

A further object is to provide an improved fulcrum of this character which is composed of two pieces of forged metal shaped precisely alike but in reverse position to each other.

With these and other objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings Figure 1 is an edge view of our improved fulcrum showing it in position on a beam the latter shown in section. Fig. 2 is a view in side elevation, and Fig. 3 is a view in section on the line 3—3 of Fig. 1.

1 represents an ordinary I-beam such as commonly used for brake beams and 2, 2, are the members of our improved fulcrum, which are precisely alike but disposed reversely and each composed of a single piece of forged metal.

The members 2, 2, are bent at both ends, as shown at 3, to conform to the shape of the base flanges 4, of the beam 1 and are provided with perforated extreme ends 5 to be located beside the web of the beam and adapted to be secured thereto by a rivet 6

which is passed through an opening in the web and through the perforated ends.

The intermediate portions 7 of the members 2, 2, are parallel and straight, and joined with the bends 3 by twists or bends 8 in the members, which bends position the intermediate portions of the members at an angle to the web of the beam and the perforated ends 5, said angle being preferably about forty degrees, which is the ordinary angle at which the brake lever (not shown) is positioned.

The intermediate portions 7, 7, are provided with a plurality of registering openings 9 to receive in any of them the lever fulcrum (not shown) and it will be seen that by constructing a fulcrum as above set forth, by reversing the fulcrum, the intermediate portions 7 will be located at opposite angles and hence form either a right or left hand fulcrum, thus obviating the necessity of providing separate right and left hand fulcrums, a single device such as above described answering both purposes.

A great many slight changes might be made in the general form and arrangement of parts described without departing from our invention, and hence we do not limit ourselves to the precise details set forth but consider ourselves at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

Having fully described our invention what we claim as new and desire to secure by Letters Patent is:—

1. As a new article of manufacture, an end for end reversible combination right and left hand brake beam fulcrum.

2. A brake beam fulcrum comprising two members, both members shaped at both ends to conform to the shape of one side of a brake beam, and the intermediate portion of both members positioned at an angle whereby an end for end reversible fulcrum is formed, substantially as described.

3. A brake beam fulcrum, comprising two members precisely alike but reversely positioned, each member composed of a single piece of forged metal, the ends of the mem-

bers bent to conform to the shape of the
base portion of a beam and constructed to
be secured to the web thereof, and the inter-
mediate portions of the members located
5 parallel to each other and bent at an angle
with relation to the end portions, substan-
tially as described.

In testimony whereof we have signed our

names to this specification in the presence
of two subscribing witnesses.

EUGENE M. APPLEBAUGH.
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Witnesses:

WM. KASELOISE,
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