

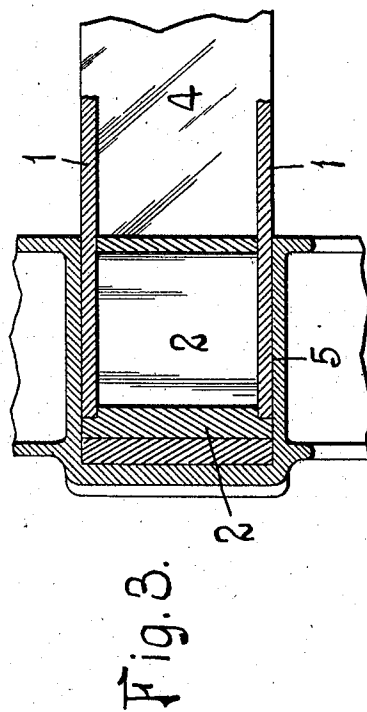
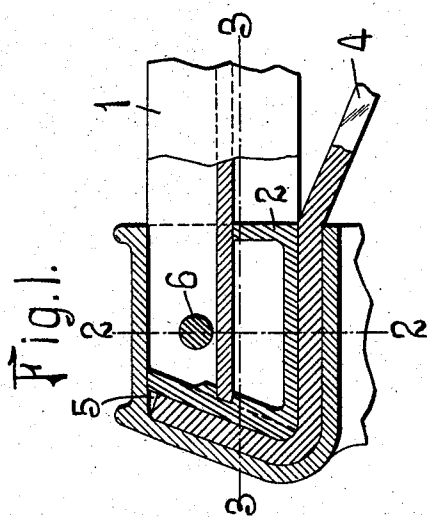
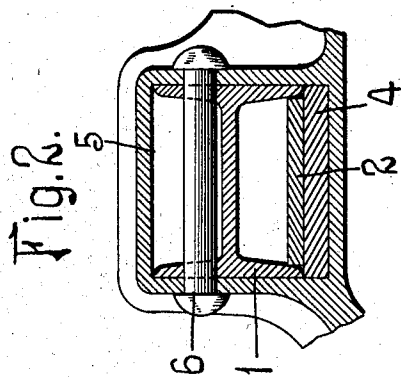
No. 823,602.

PATENTED JUNE 19, 1906.

C. F. HUNTOON.

BRAKE BEAM.

APPLICATION FILED FEB. 26, 1906.



Witnesses
A. J. McCauley.
Edgar T. Farmer

Inventor:
Charles F. Huntoon
by *Rakewell Cornwall*
Atty's.

UNITED STATES PATENT OFFICE.

CHARLES FRANCIS HUNTOON, OF CHICAGO, ILLINOIS, ASSIGNOR TO
CHICAGO RAILWAY EQUIPMENT COMPANY, OF CHICAGO, ILLI-
NOIS, A CORPORATION OF ILLINOIS.

BRAKE-BEAM.

No. 823,802.

Specification of Letters Patent.

Patented June 19, 1906.

Application filed February 26, 1906. Serial No. 303,043.

To all whom it may concern:

Be it known that I, CHARLES FRANCIS HUNTOON, a citizen of the United States, residing at Chicago, Illinois, have invented a certain new and useful Improvement in Brake-Beams, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a sectional view through the end of the brake-beam, showing my improved filler-block in position. Fig. 2 is a sectional view on the line 2 2 of Fig. 1, and Fig. 3 is a sectional view on the line 3 3 of Fig. 1.

This invention relates to a new and useful improvement in brake-beams, the object being to utilize a flanged compression member and a flat plate tension member, the end of the flanged compression member containing a thrust-block in the form of a filler which provides a seat for the compression member, and around which thrust-block the end of the tension member may be bent in a gentle curve, so as to avoid abrupt or sharp corners at the end of the tension member.

In the drawings, 1 indicates the compression member of a brake-beam, said compression member being in the form of an I-beam, with its web arranged vertically when the beam is in service.

2 is a thrust-block, preferably formed hollow for the sake of lightness, which thrust-block fits within the inner flanges of the I-beam and is provided with a seat for the web of the I-beam, the end of the thrust-block being extended laterally over the flanges of the I-beam, which are preferably inclined, as shown in Fig. 1.

4 is the tension member, whose end is bent around the thrust-block and against the inclined end thereof, as shown.

5 is the socket in the brake-head, which is slipped over the parts and which serves to hold the end of the tension member in position.

6 is a rivet passing through the socket or sleeve portion of the brake-head and the flanges of the I-beam compression member. 50

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In a brake-beam, the combination with an I-shaped compression member, of a thrust-block arranged between the inwardly-extending flanges of the I-beam and whose end overlaps said inwardly-extending flanges and also the outwardly-extending flanges of said I-beam, a tension member whose end is bent around said thrust-block, and a brake-head; substantially as described. 60

2. In a brake-beam, the combination with an I-beam compression member whose web is vertically disposed, of a thrust-block arranged between the forwardly-extending flanges of said I-beam, the end wall of said thrust-block being inclined and providing a seat for the web and flanges of said I-beam compression member, a flat plate tension member bent around said thrust-block, and a brake-head secured in position on the end of the beam; substantially as described. 65

3. In a brake-beam, the combination with an I-beam compression member, of a thrust-block providing a seat for the end of said compression member and which thrust-block is extended inwardly between the forwardly-projecting flanges of said compression member so as to provide a seat for the tension member, a tension member which is bent around said thrust-block, and a brake-head which is slipped in position on the end of the beam for holding the bent end of said tension member in position; substantially as described. 70 75 80 85

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 20th day of February, 1906.

CHARLES FRANCIS HUNTOON.

Witnesses:

E. T. WALKER,
FREDERICK T. DE LONG.