No. 666,197. Patented Jan. 15, 1901.

C. HOYLE & F. B. AGLAR.

BRAKE BEAM.

(Application filed Sept. 7, 1900.)

(No Model.)

Fig. I.

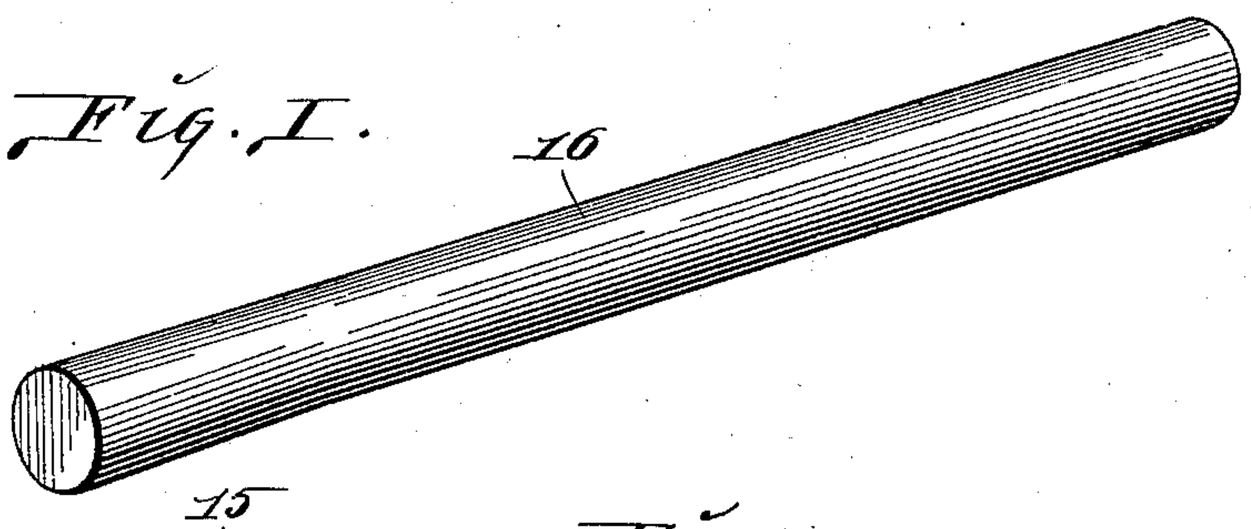


Fig. II.

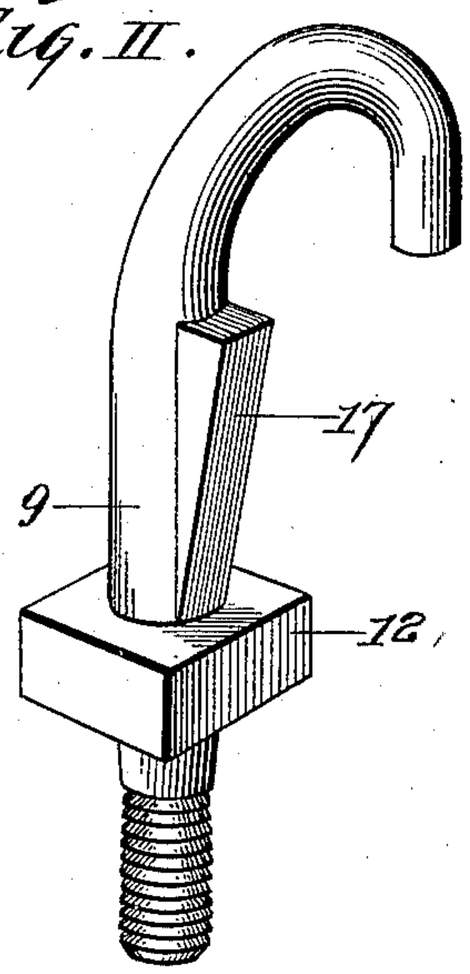
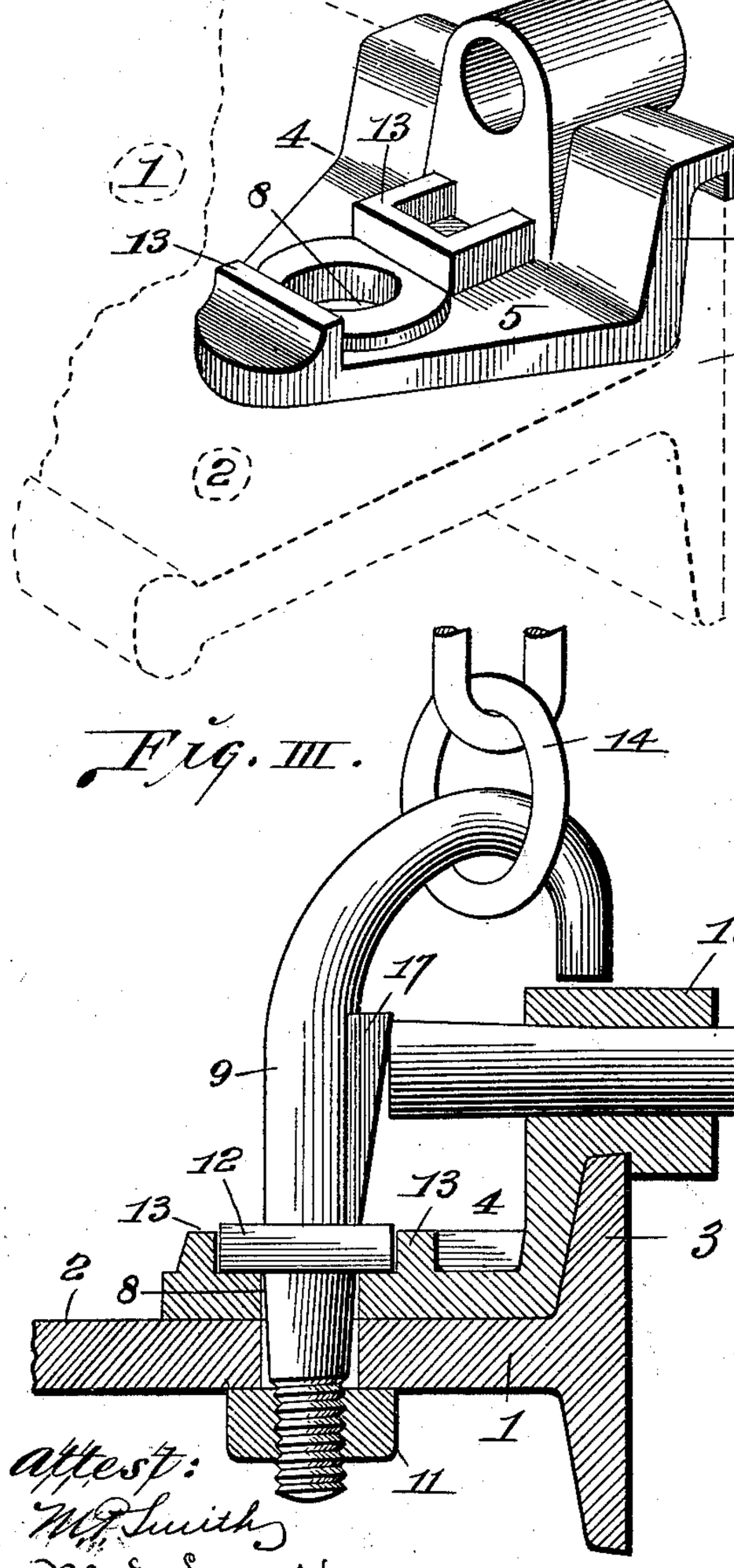


Fig. III.



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UNITED STATES PATENT OFFICE.

CHARLES HOYLE AND FRANCIS B. AGLAR, OF ST. LOUIS, MISSOURI, ASSIGNORS TO THE INTERCHANGEABLE BRAKE BEAM COMPANY, OF SAME PLACE.

BRAKE-BEAM.

SPECIFICATION forming part of Letters Patent No. 666,197, dated January 15, 1901.

Application filed September 7, 1900. Serial No. 29,262. (No model.)

To all whom it may concern:

Be it known that we, CHARLES HOYLE and FRANCIS B. AGLAR, citizens of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Brake-Beams, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Our invention relates to a means for connecting the safety-chain and the guard-fingers to the brake-beam of a railway-car.

Our invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a perspective view showing the guard-finger and the clip part of our device. Fig. II is a perspective view of the hook part of our device. Fig. III is a vertical section through the clip and part of the beam, the hook and guard-finger being shown in elevation.

1 designates part of the brake-beam having a horizontal web 2 and a vertical flange 3.

4 is a clip having a horizontal portion 5, that rests on the web of the beam, a substantially vertical portion 6, that rests against the upper part of the flange of the beam, and a turned-over edge 7, that engages the top of the flange of the beam. The part 5 of the clip has a hole 8, that receives the lower end of a hook 9, that passes also through the beam and has a nut 11 on its lower end. On the hook above the clip is a non-circular enlargement 12, that fits between shoulders 13, formed upon the clip, so that when the hook is adjusted to position it is held from turning with its upper end over the top of the clip, as seen in Fig. III, so that the safety-chain 14, which is received by the hook cannot become disengaged from the hook.

On top of the clip is a hollow boss 15, that receives the guard-finger 16, the inner end of the finger being enlarged and bearing against a flat shoulder 17, formed on the hook, so that the finger is held by the hook in the boss 15.

The device provides a very strong and safe means for attaching the finger-guard and the safety-chain to the beam.

We claim as our invention—

1. In combination with a brake-beam, a clip fitted to the beam, and a hook holding the clip to the beam and which is adapted to receive the safety-chain; said hook having a non-circular enlargement and said clip having shoulders between which said enlargement fits, substantially as set forth.

2. In combination with a brake-beam, a clip fitted to the beam and having a hollow boss to receive a guard-finger formed with an enlarged inner end, and a hook adapted to hold the clip to the beam, and to hold the guard-finger in said boss, substantially as set forth.

3. In combination with a brake-beam, a clip fitted to the beam and having a hollow boss to receive a guard-finger, and a hook adapted to hold the clip to the beam and which is provided with a flat shoulder to receive the inner end of the guard-finger, substantially as set forth.

CHAS. HOYLE.
FRANCIS B. AGLAR.

In presence of—
N. V. ALEXANDER,
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