(No Model.)

E. L. HOWE.

HAME TUG.

No. 486,378. Patented Nov. 15, 1892.

Fig. 1.

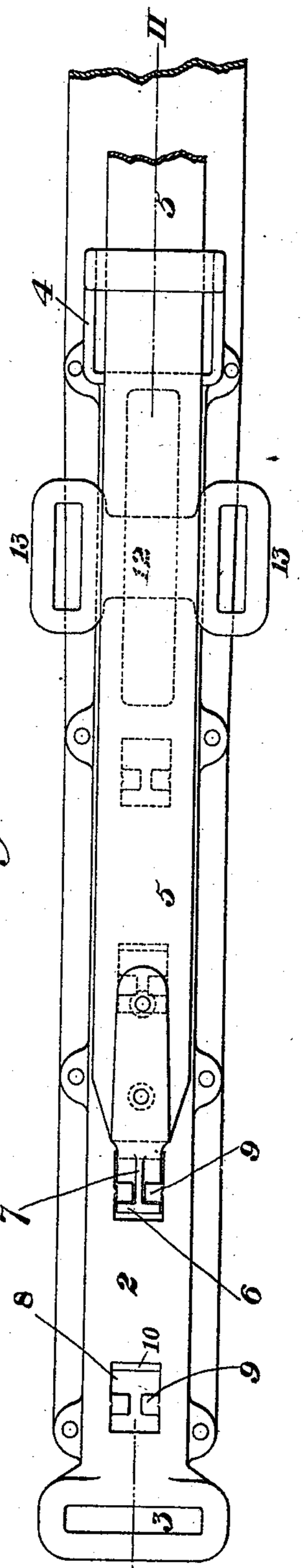
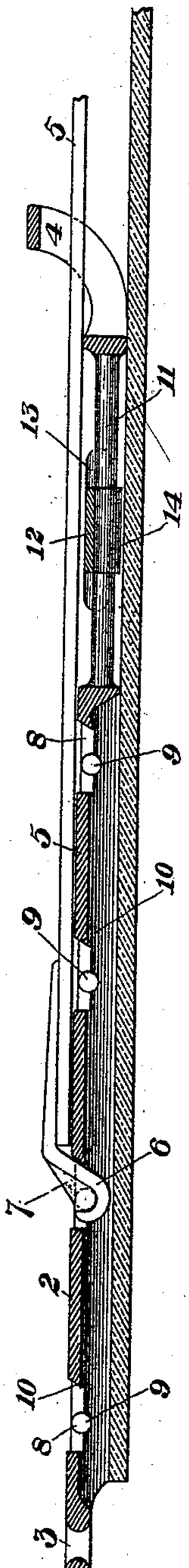


Fig. 2.



WITNESSES

H. L. Gill.

H. M. Corwin.

INVENTOR

Eugene L. Howe

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his attorneys

UNITED STATES PATENT OFFICE.

EUGENE L. HOWE, OF CLEVELAND, OHIO.

HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 486,378, dated November 15, 1892.

Application filed June 13, 1892. Serial No. 436,454. (No model.)

To all whom it may concern:

Be it known that I, EUGENE L. HOWE, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Hame-Tug Connections, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of my improved metallic hame-tug. Fig. 2 is a longitudinal section thereof on the line II II of Fig. 1.

My invention relates to metallic hame-tugs, and is designed to obtain a stronger and more secure connection between the trace and the hame-tug; and to that end it consists in the hame-tug having a metal frame perforated with a hole having short lugs extending thereinto and a hook adapted on its front or concave side to engage the lugs, having a middle web arranged to fit between the ends of the lugs and arranged to bear at its rear or convex side against a shoulder at the rear of the hole.

In the drawings, 2 is the hame-tug body or plate, made of metal and having at its ends the loops 3 and 4, the loop 3 serving for attachment to the section by which it is secured to the hame, while through the raised loop 4 passes the trace 5, to the end of which is attached a metal piece having a hook 6. This hook is provided at its end with a central vertical web 7, and when so constructed I call it a "web-hook."

The holes 8 in the hame-tug for the reception of the hook are provided with lugs 9, which extend from each side and are adapted to engage the hook at its front or concave portion at the sides of the web, which lies in the space between their ends. This web greatly strengthens the hook, and since when the trace is drawn taut the strain is brought against the shoulder 10 on the body of the hame-tug against which the rear or convex portion of the hook bears the lugs themselves are relieved of strain.

At the rear end of the metal hame-tug, but in advance of the loop 4, there are formed parallel slide pieces or rods 11, upon which I fit a slide 12, having the upper and lower loops 13. This slide is attached to the slide pieces or rods by downwardly-projecting flanges 14, which may be bent so as to embrace the rods, thus holding the slide in place and enabling it to be moved back and forth. This feature of the slide, however, I do not claim herein, as the same is described and claimed in my copending application, Serial No. 411,695, filed November 12, 1891.

I claim as my invention—

A hame-tug having one or more holes therein, provided with inwardly-extending lugs, and a hook having a central web which fits between the lugs, said hook having its front end extending at an angle to the shank to bear at its rear or convex side against a shoulder at the rear end of the hole, substantially as and for the purposes described.

In testimony whereof I have hereunto set my hand this 6th day of June, A. D. 1892.

EUGENE L. HOWE.

Witnesses:

MARTIN O. SENSENY,

EMIL W. JAITE.