

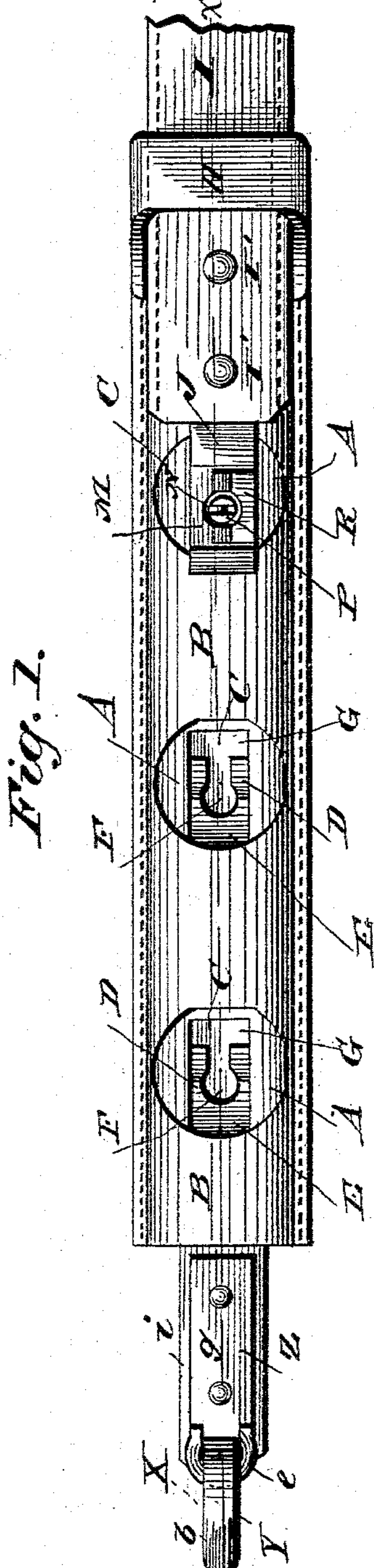
(No Model.)

C. C. BAUDER.

HAME TUG.

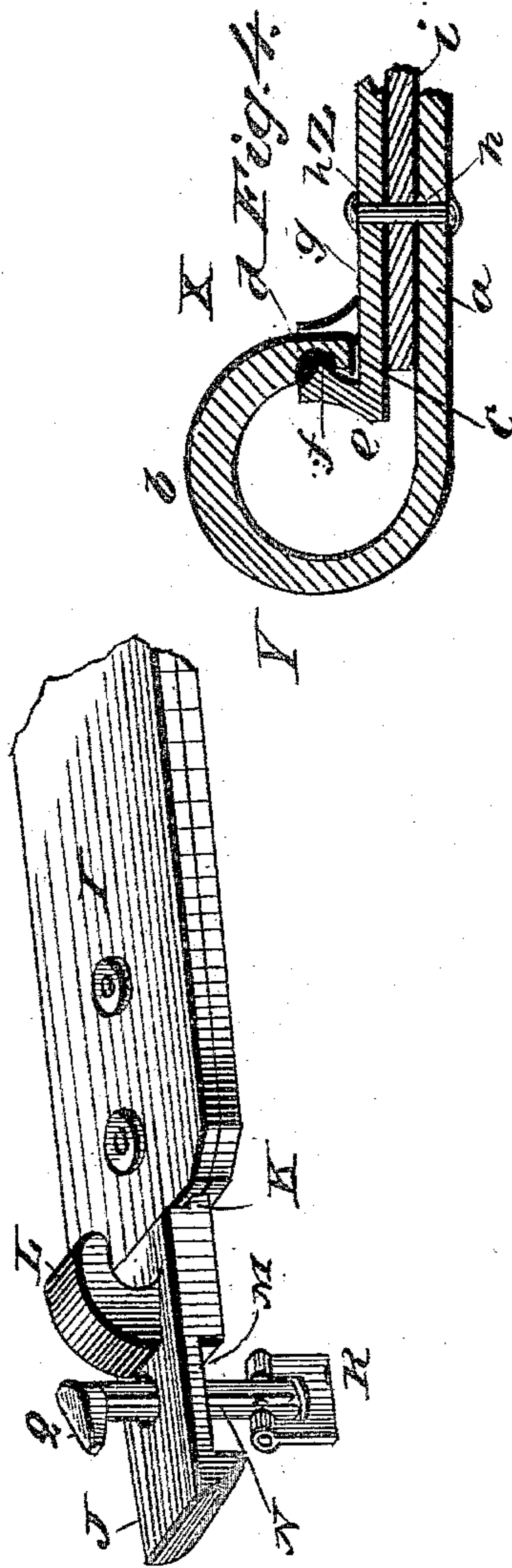
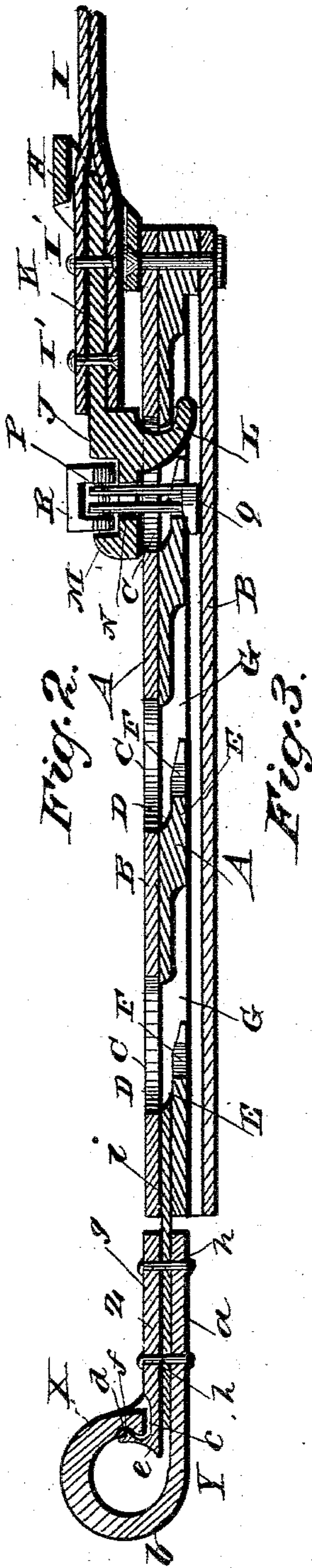
No. 356,612.

Patented Jan. 25, 1887.



WITNESSES.

Phillips.  
Esace M. Craig



INVENTOR  
Charles C. Baudez,  
By Anderson & Smith  
two Attorneys



# UNITED STATES PATENT OFFICE.

CHARLES C. BAUDER, OF BURNSIDE, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO  
GEORGE E. BAUDER AND ALBERT B. GORDEN, BOTH OF SAME PLACE.

## HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 356,612, dated January 25, 1887.

Application filed July 20, 1886. Serial No. 208,524. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES C. BAUDER, a citizen of the United States, residing at Burnside, in the county of Hancock and State of Illinois, have invented certain new and useful Improvements in Hame-Tug and Trace Attachments; and I do declare the following to be a full, clear, and exact description of the invention, 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, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a plan view. Fig. 2 is a longitudinal section on line *x x*, Fig. 1. Fig. 3 is a detail perspective view. Fig. 4 is an enlarged sectional detail view.

My invention relates to cast hame-tugs and trace attachments combined; and it consists in the construction and novel combination of parts, as hereinafter described, and pointed out in the claims.

Referring by letter to the accompanying drawings, A designates the hame-tug, which is of cast metal covered with leather, B, except immediately around the recesses C in the convex face of the hame-tug A. The recesses C are provided with integral partitions D, which have rearwardly-inclined outer faces, E, said partitions D being provided with key-holes or open slots F, which communicate with the rectangular openings G in the recesses C. At its rear end the hame-tug A is provided with an outwardly and rearwardly extending metal guide-loop, H, through which the trace I is passed.

At its forward end the trace I is provided with a metal trace attachment, J, which is secured to the front end of the trace-tug I by rivets I' I', passed through the leather and through the tang K of the trace attachment J. On its rear face the trace attachment J is provided with a rearwardly-projecting curved hook, L, cast integral with the trace attachment, and on its outer face, in front of this hook L, the attachment J is provided with a rectangular recess or depression, M, extending entirely across the face of the attachment J. At the middle of the recess M the attachment J is provided with a hole, N,

in which hole the split stem P of the key Q is seated loosely, a recessed locking-leaf, R, being hinged in eyes in the outer end of the split stem P of the key Q, so that when the ward of the key is either in the locking or unlocking position the locking-leaf R may fall at either side of the split stem P into the recess M, and thereby prevent the key from being turned while the locking-leaf is in the depression M. The recesses C are preferably three in number; but the number may be varied to meet the requirements of the case in which they are employed.

At its front end the hame-tug A is provided with an attaching-iron, X, which is made in two parts or sections, Y Z. The part Y is provided with a flat stem or shank, *a*, at the front end of which is an integral hook, *b*, which is turned inwardly toward the hame and then extended outwardly toward the shank *a*, and terminates a short distance from the shank *a*, thereby leaving a space, *c*, between the end of the hook *b* and the shank *a*. Near the termination of the hook *b* said hook is provided on its inner face with a transverse groove, *d*. The section or part Z of the attaching-iron X is provided at its front end with a projecting lug, *e*, which extends toward the hame when the attachment is in place—that is, connected to the hame-ring. The lug *e* is provided with an internal integral convex (in cross section) rib, *f*, which fits into the transverse groove *d* in the inner face of the hook *b*. The shank *g* of the part or section Z is also flat, and the shanks *a* and *g* are provided with aligned rivet-holes *h*.

The hame-tug A is provided at its front end with an attaching-strap, *i*, which is introduced between the shanks of the parts or sections, and is secured in place between said shanks by rivets passed through the shanks and strap and properly upset, to retain the parts firmly together after the hame-ring has been placed in the eye of the attaching-iron. This attaching-iron being made sectional obviates the necessity of closing the eye by bending the iron, thereby preventing the iron from breaking, as it frequently does in the old constructions.

Furthermore, the draft on the attaching-iron causes it to hold the hame-tug out from the animal, and prevents the chafing usually caused by the hame-tug.



Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the hame-tug provided with a recess, C, having a key-hole, F, opening into a slot, G, therein, of the trace-tug provided with the casting having a hook, L, on its rear face and the depression M in its front face provided with the central opening, and the split key Q, seated in said central opening and provided with the locking-leaf R at its outer end, substantially as specified.

2. The combination, with the hame-tug provided with the guide-loop at its rear end and one or more recesses provided with open key-holes and slots communicating therewith, of the trace-tug provided with a casting having a hook on its rear face and the depression in

its front face provided with the central opening, and the split key seated in said central opening and provided at its outer end with the locking-leaf, substantially as specified.

3. The combination, with a hame, of the hook X, having the recess d, of the iron Z, having its outer end provided with the lug e and adapted to engage the recess of the hook, the strap i, and the rivets securing the hook and iron to the said strap, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES C. BAUDER.

Witnesses:

JHN. H. PETTIT,  
MARY PETTIT.