

(No Model.)

R. F. BAKER.

DRAFT HAME.

No. 264,218.

Patented Sept. 12, 1882.

Fig. 3.

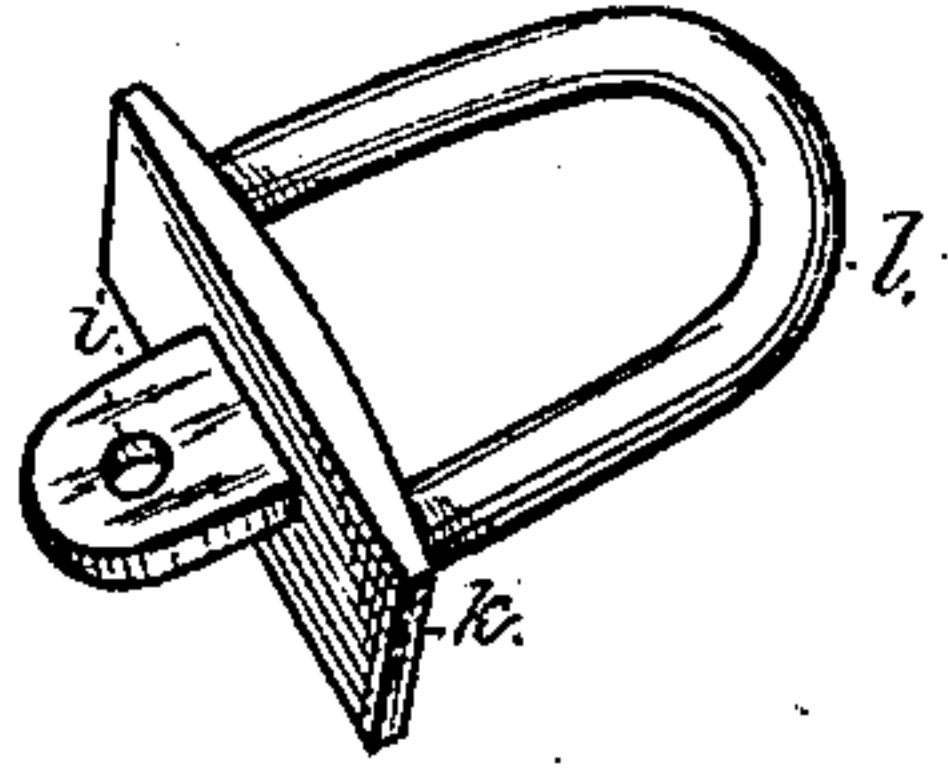


Fig. 4.

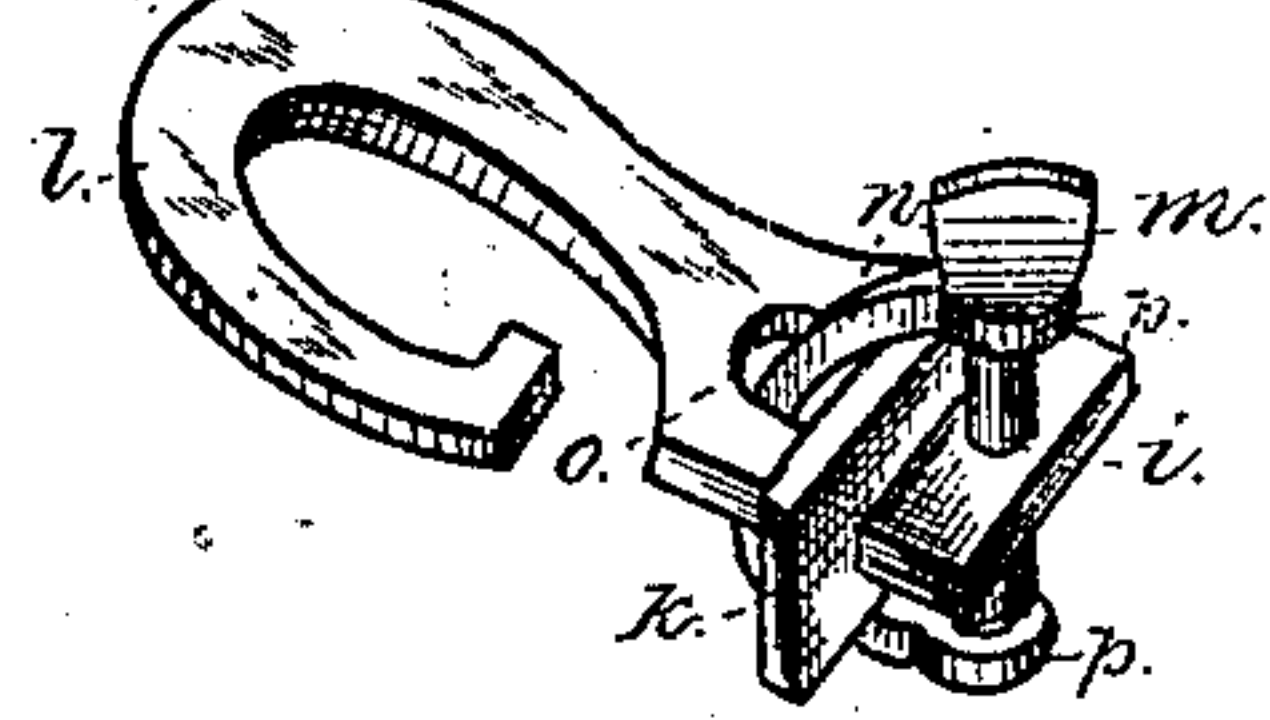


Fig. 1.

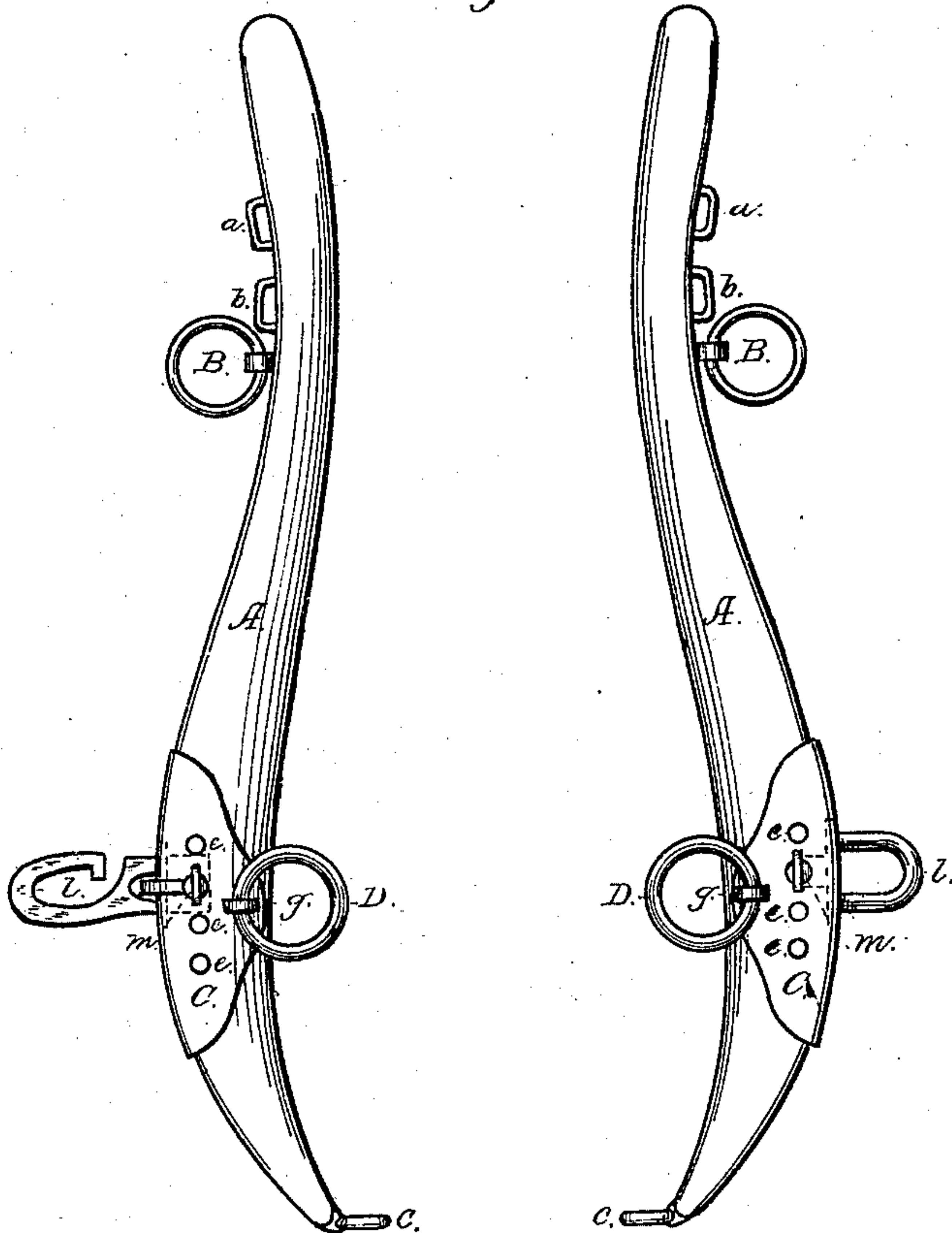
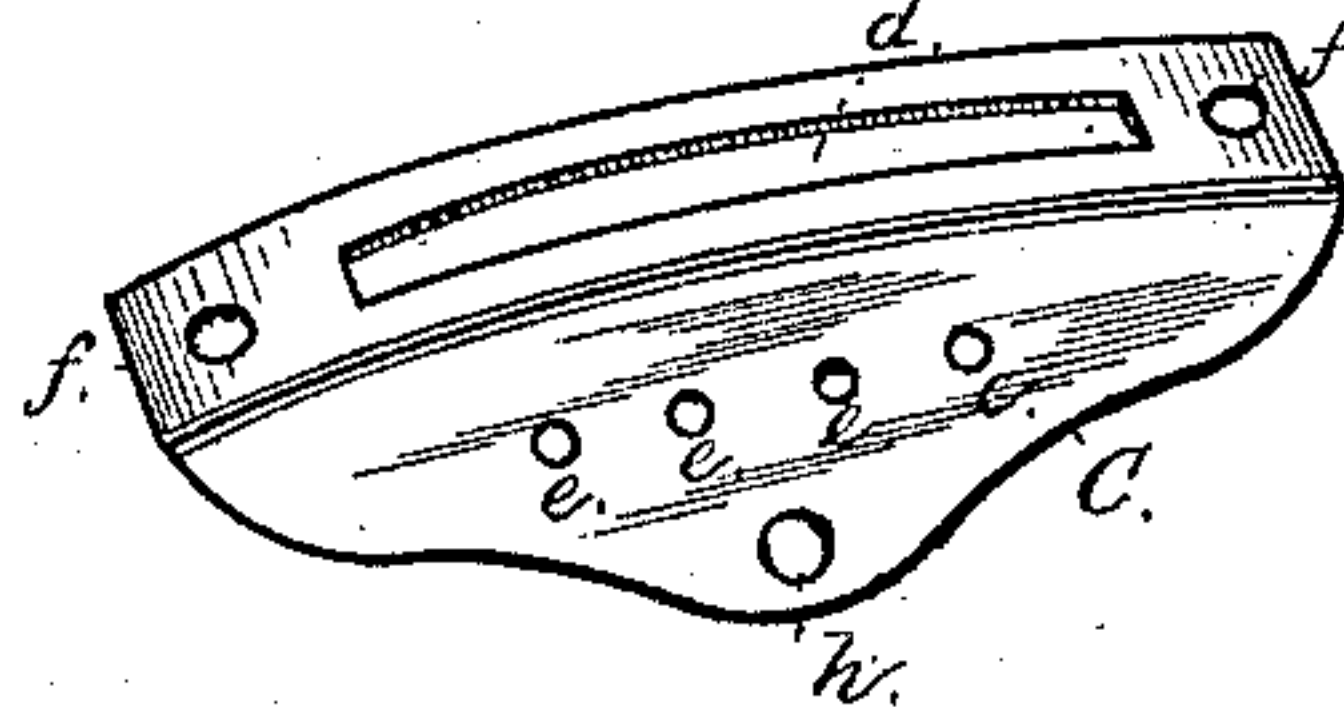


Fig. 2.



Witnesses:

J. C. Clark.
M. J. Claggett.

Inventor:

Reynolds & Baker
by Geo. W. Allen
att'y

UNITED STATES PATENT OFFICE.

REZIN F. BAKER, OF COSHOCTON, OHIO.

DRAFT-HAME.

SPECIFICATION forming part of Letters Patent No. 264,218, dated September 12, 1882.

Application filed February 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, REZIN F. BAKER, of Coshocton, in the county of Coshocton and State of Ohio, have invented a new and useful
5 Improvement in Draft-Hames; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

10 The object I have in view in the present application is to so improve the draft-hames now in common use that one pair of hames may be used on different-size horses, the strain upon the horse being brought at all times at the
15 proper place; and to this end it consists of the peculiar construction and arrangement of the tug hooks and eyes which are commonly used on hames, whereby said hooks and eyes are made adjustable on the hames. This construction and arrangement are clearly shown
20 in the accompanying drawings, to which reference will be hereinafter made, and in which—

Figure 1 is a front elevation of a pair of hames embodying the principal features of my
25 invention, together with a modification thereof; Fig. 2, a view in perspective of a plate which is firmly secured to the hames, and Figs. 3 and 4 views in detail of the tug-hooks used in my construction.

30 Like letters refer to corresponding parts throughout the several views.

In the drawings, A A represent a pair of hames; B B, the ordinary rein-rings attached thereto; *a a*, *b b*, and *c c*, the hooks or staples
35 commonly used, through which are passed the hame-straps by means of which the hames are held together.

In Fig. 2 I have represented a plate, C, which is made of any desirable material and of
40 any suitable form. As shown, it is provided on its upper side with a slot, *d*, which slot is made to correspond with an opening made in the hames, when said plate is secured to the hames, as shown in Fig. 1. These slots can of
45 course be of any desirable length, but on ordinary hames they should be from four to six inches, it being very unusual that the position of the tug-hook need be changed more than such a size of slot would allow. The opening
50 to be made in the hame must be of sufficient depth to allow of a free movement therein of the tug-hook hereinafter referred to. The

plate C is also provided with a series of holes, *e*, (any necessary number may be used,) the object of which will be hereinafter mentioned. 55 These holes are so situated that they will come directly over a like series of holes made through the hames, thus forming clear openings through said plate and the hame. The plate C, above described, is firmly secured around the hame, 60 in the position shown in Fig. 1, by means of screws which are passed through the holes *f f*; or it may be secured in any other desirable manner.

In the drawings, D D represent ordinary 65 pull-back rings, which are secured to the hames by passing through staples *g*, said staples having their ends brought together and passed through the hole *h* made in the plate C.

In Fig. 3 I have shown a tug-eye constructed 70 in accordance with my invention. As shown in that figure, it consists of a T-shaped piece, *k*, to which is firmly cast or secured in any desirable manner the ordinary eye or staple, *l*. Through the downwardly-projecting arm of 75 this T-shaped piece, and at a point near the lower end thereof, is drilled the hole *i*, which is so situated that when the tug-eye is placed in the hame it will correspond in turn, as it is moved backward and forward, with each of the 80 holes *e* made in the plate C and through the hame. This tug-eye, when constructed in accordance with the above description, is placed on the hames by passing the eye *l* through the slot *d* made in the plate C, thus 85 allowing said eye to project up through said slot, and at the same time bringing the horizontal arm of the T-shaped piece *k* against the under side of the plate C, while the other or downwardly-projecting arm of said piece *k* enters the cut-away portion of the hame-frame, 90 to which frame the whole tug-eye is then secured by means of an eyebolt, *m*, which is passed through any one of the holes *e* and through the hole *i*. When the position of the 95 tug-eye is to be changed the bolt *m* is withdrawn, the position of the tug-eye changed as desired, and the bolt *m* inserted in another of the holes *e*. The position of this tug when placed on the hame is clearly shown in dotted 100 lines, Fig. 1.

In Fig. 4 is represented a different manner of securing the tug hook or eye in the hame. In this figure I have shown a tug-hook in place

of the eye shown in Fig. 3; but it will be apparent to all that the eye could be used in this construction, as could the hook in that shown in Fig. 3, without any departure from my invention, the only object of thus illustrating them being to show that my construction is applicable to hooks and eyes alike. By reference to this Fig. 4 it will be seen that, in addition to the bolt *m*, before mentioned, I employ
5 a loop, *n*, which passes through an opening, *o*, made between the hook proper and the T-shaped piece *k*, thus bringing its ends, which are cast in shape of rings *p*, directly opposite the holes *e* of the plate *C*, when said plate is
10 secured around the hame. Through these rings *p*, and through one of the holes *e* and the hole *i*, the bolt *m* is then passed, and the tug hook or eye is secured to the hame.

I am aware that devices have been constructed and patented wherein means are

shown and claimed for adjusting the tug-hooks of hames, and therefore I do not claim that feature broadly; but

What I do claim, and that for which I desire to secure Letters Patent, is—

The draft-hame *A*, provided with a longitudinal slot, and having secured to it a plate, *C*, in combination with a tug hook or eye, said tug hook or eye being held adjustably in place on the hame by means of an eyebolt, *m*, and
25 consisting of a T-shaped piece, *k*, to which is cast or secured the hook or eye proper, all the parts arranged and operating substantially as described.

This specification signed and witnessed this
24th day of February, 1882.

REZIN F. BAKER.

Witnesses:

HENRY MARX,

GEO. LE RETILLEY.