

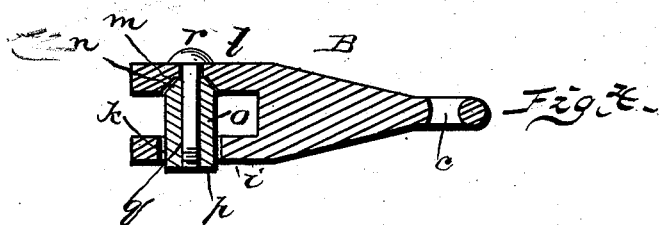
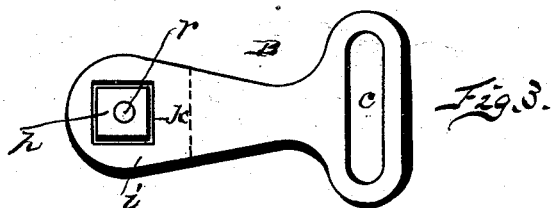
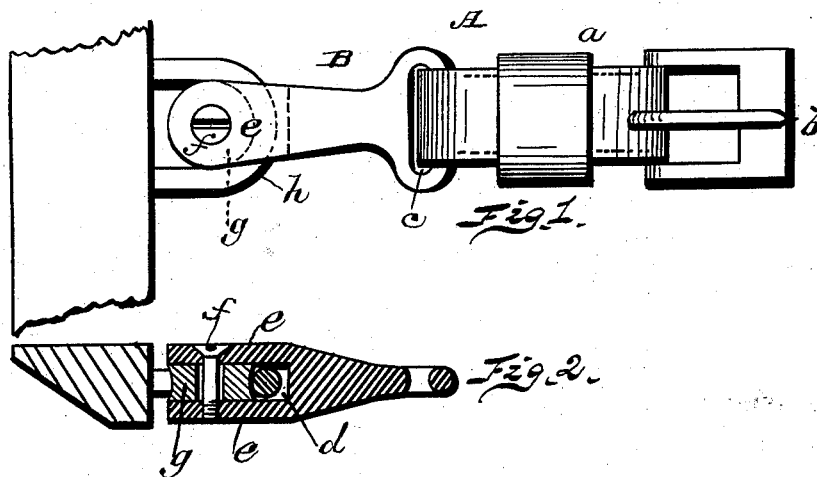
(No Model.)

R. F. RUSSEL.

HAME TUG.

No. 384,085.

Patented June 5, 1888.



WITNESSES,  
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# UNITED STATES PATENT OFFICE.

ROBERT F. RUSSEL, OF ABILENE, KANSAS.

## HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 384,085, dated June 5, 1888.

Application filed February 9, 1888. Serial No. 263,498. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT F. RUSSEL, a citizen of the United States, residing at Abilene, in the county of Dickinson and State of Kansas, have invented certain new and useful Improvements in Hame-Tugs; and I do hereby 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 ap-  
10 pertains to make and use the same.

This invention relates to improvements in that class of devices commonly known as "hame-tugs;" and it consists in the novel construction and arrangement of the same, as  
15 will be further hereinafter explained.

The annexed drawings, to which reference is made, fully illustrate my device, in which—

Figure 1 represents a side view of my device. Fig. 2 is a horizontal sectional view. Fig. 3 is a side view of the plate B detached  
20 from the hame, and Fig. 4 is a horizontal sectional view of the same.

Referring by letter to the accompanying drawings, A designates the hame-tug, consisting of the strap *a*, having the usual buckle, *b*, for the forward end of a trace, and the plate or bar B, which latter connects with the strap by its loop end, and at its forward end to a staple in the hame. This plate is constructed  
25 with the loop *c* at one end, and at the other end the same is bifurcated, as at *d*, the branches *e* of which are transversely perforated to receive a screw, *f*, on which is arranged a roller, *g*, between the branches aforesaid.

35 It will be seen that should a roller or screw be worn out by constant wear on the staple *h*

on the hame the same can be readily replaced at a trifling cost. In Figs. 3 and 4 of the drawings I show my device in form slightly modified, wherein the branch *i* has a square aperture, *k*, and the opposite branch, *l*, has a bevel perforation, as at *m*, which engages the bevel end *n* of bar *o*, while the opposite end, *p*, thereof is square to engage the square opening in the branch. This bar *o* has a perfora-  
40 tion, *q*, through it to receive a bolt, *r*, which by its head holds said bar to the forked end. When this bar is worn out, it can be removed and readily replaced, and it is simple in construction, durable, and at the same time cheap  
50 to manufacture.

I claim—

1. In combination with the hame provided with the staple and the tug-strap, the within-described attachment or plate B, constructed  
55 with the loop *c* at one end and the branches *e* at the other end, formed integral, the screw *f* connecting these branches and provided with the roller, as and for the purpose set forth.

2. The attachment for hames, having a loop, *c*, at one end and the opposite end bifurcated, the branches having a square opening, *k*, and beveled perforation *m* on the face of one of the branches, the block *o*, having square end *p* and beveled end *n*, and the screw for holding  
65 said block in position, as shown and described.

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

ROBERT F. RUSSEL.

Witnesses:

B. C. CRANSTON,  
MAC H. JOLLEY.