

(No Model.)

D. H. GRANT.
HAME.

No. 305,176.

Patented Sept. 16, 1884.

Fig. 1

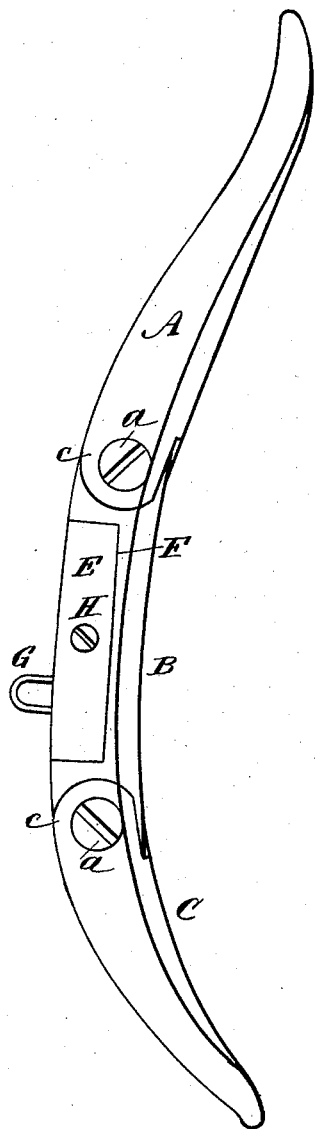


Fig. 2

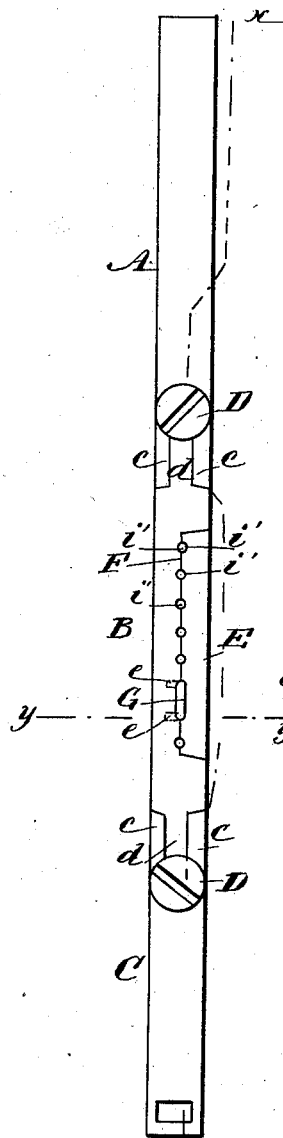


Fig. 3

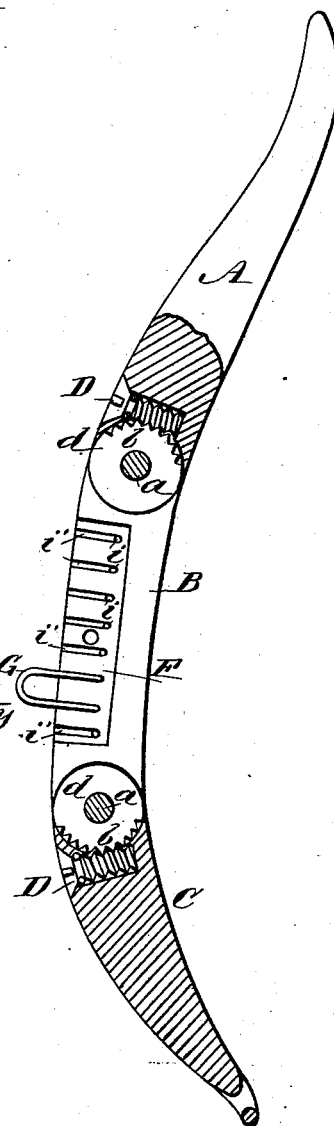
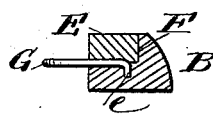


Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

DANIEL H. GRANT, OF RAYMORE, MISSOURI.

HAME.

SPECIFICATION forming part of Letters Patent No. 305,176, dated September 16, 1884.

Application filed June 24, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL H. GRANT, of Raymore, in the county of Cass and State of Missouri, have invented new and useful Improvements in Hames, of which the following is a full, clear, and exact description.

My invention relates to a hame adapted to be adjusted edgewise; and the invention consists, principally, of a hame made in sections arranged to be adjusted edgewise to a greater or less curve to suit the collar and the shape of the horse's neck.

The invention consists, also, of the particular construction of the sections and the means for adjusting them, and also in providing the central section of the hame with a removable plate and eye or staple for holding the hame-tug, the staple being adapted to be adjusted for raising or lowering the draft.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my new and improved adjustable hame. Fig. 2 is an edge view of the same. Fig. 3 is a sectional front elevation of the hame, taken on the line *x x* of Fig. 2, the clamp-plate being removed; and Fig. 4 is a transverse sectional elevation taken on line *y y* of Fig. 2.

My new hame is composed of the upper section, A, central section, B, and lower section, C. The sections A and C are jointed by tongue-and-groove joints to the ends of the central section, B, and hinged upon the pins *a a*, and the said sections A and C are adapted to be adjusted edgewise with relation to the central section, B, to increase or diminish or vary the curve of the hame by means of the worm-screws *D D*, which are fitted between the cheek-pieces *c c* of the said sections A and C, and work in the segmental worms *b b*, formed at the edges of the tongues *d d* of the central section, B, as shown in Fig. 3. The central section, B, is suitably recessed at its outer surface, as shown at *F*, to receive the clamp-plate E, which holds the loop or staple G, to which

the hame-tug of the harness is attached. The ends of the staple G are bent to form small hooks, as shown at *e e*, and the small holes *i i* are made in the section B to receive the said hooks, and corresponding grooves, *i' i'*, are formed in the adjacent faces of the section B and the clamp-plate E, so that when the loop or staple G and plate E are put in place and held by the screw H the staple will be securely held and a nice joint formed between the section B and the plate E.

Constructed in the manner described, by simply turning the worm-screws D, the hame may be given a greater or less curve, as required to fit the particular collar with which it is to be used or the shape of the horse's neck, and by removing the plate E the staple G may be raised or lowered to vary the draft, and the staple may be secured again by replacing the plate E, so that the hame is adapted to all the adjustments required, and is very practical for its purpose.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A hame composed of the sections A B C, adjustably connected together, substantially as and for the purpose set forth.

2. The central section, B, formed with the segmental worms *b b*, in combination with the sections A C and the worm-screws D D, arranged to operate substantially as set forth.

3. The removable clamp-plate E, let into a recess in one hame-section, B, and with its inner longitudinal surface provided with channels, which unite with coincident channels in the hame-section to form angular apertures or sockets *i i'*, to receive the staple G, having bent ends *e*, substantially as and for the purpose set forth.

4. The hame herein shown and described, having the adjustable upper and lower sections, A C, and the adjustable loop or staple G, substantially as described.

DANIEL H. GRANT.

Witnesses:

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