

(No Model.)

N. G. SCHWALEN.

HAME.

No. 314,063.

Patented Mar. 17, 1885.

Fig 1.

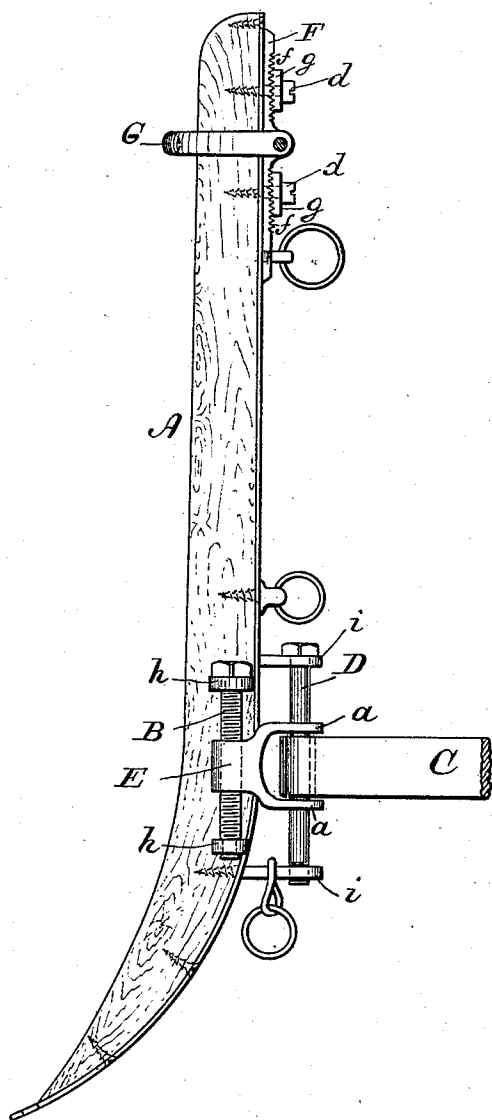
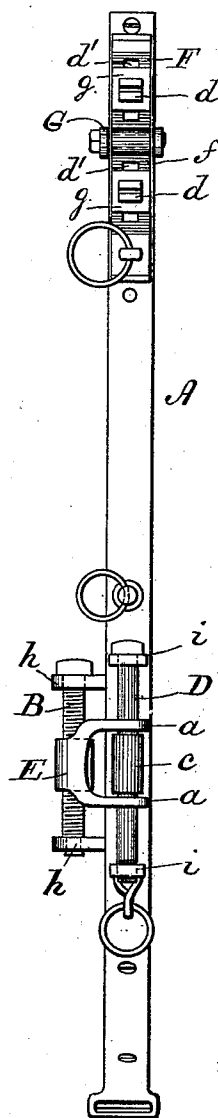


Fig 2.



WITNESSES:

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HAME.

SPECIFICATION forming part of Letters Patent No. 314,063, dated March 17, 1885.

Application filed January 6, 1885. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS G. SCHWALEN, of Minneapolis, in the county of Hennepin and State of Minnesota, have invented a new and useful Improvement in Hames, of which the following is a full, clear, and exact description.

The invention consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

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 both the figures.

Figure 1 is a side elevation of a hame constructed in accordance with my invention, showing a part of the hame-tug. Fig. 2 is an edge view of the same.

I provide the hame A with an adjusting-screw, B. This screw B is used in connection with the rod D, to which the trace C is directly attached, for by this arrangement no material strain or draft will come upon the screw B to bend, wear, or otherwise injure it.

Upon the screw B and rod D, I place the adjusting device E, that is screw-tapped to match the screw-threads of the screw-rod B, so that by turning the screw-rod B to the right or left the device E will be raised or lowered according to the direction the screw B is turned. In this instance the device E is divided to form the arms *a a*, that straddle the trace C, so that any up or down movement of the device E will raise or lower the trace upon the rod D.

To prevent wear of the rod D, I place loosely thereon the sleeve *c*, around which the trace is placed. At its upper end the hame is provided with the plate F, that carries the

loop G. The plate F is held to the hame by the screws *d d*, that pass through slots *d' d'* in the plate F, so that by loosening the screws *d* the plate F may be adjusted to raise or lower the loop G to suit the size of the collar and the position at which the trace C is held by the screw B. The outer surface of the plate F is notched or serrated, as shown at *f*, and upon the screws *d* are placed the notched or serrated plates *g*, which, when the screws *d* are screwed down, engage with the plate F and hold it firmly in place upon the hame.

The screw B is journaled in the eye-plates *h h*, secured to the hame, and it is made square at one end, so that it may be easily turned with a wrench for adjusting the trace up or down, and the rod D in this instance is held in the plates *i i*.

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

1. The hame provided with the screw B, rod D, and adjusting device E, arranged upon the screw and rod, substantially as and for the purposes set forth.

2. The combination, with the hames A, of the plate F, having the upper and lower slots, *d' d'*, and the set-screws *d d*, passing through said slots into the upper outer edge of the said hames, substantially as set forth.

3. In a hame, the plate F, slotted and serrated, and provided with the loop G, in combination with the screws *d* and serrated plates *g*, placed upon the screws, substantially as and for the purposes set forth.

NICHOLAS G. SCHWALEN.

Witnesses:

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