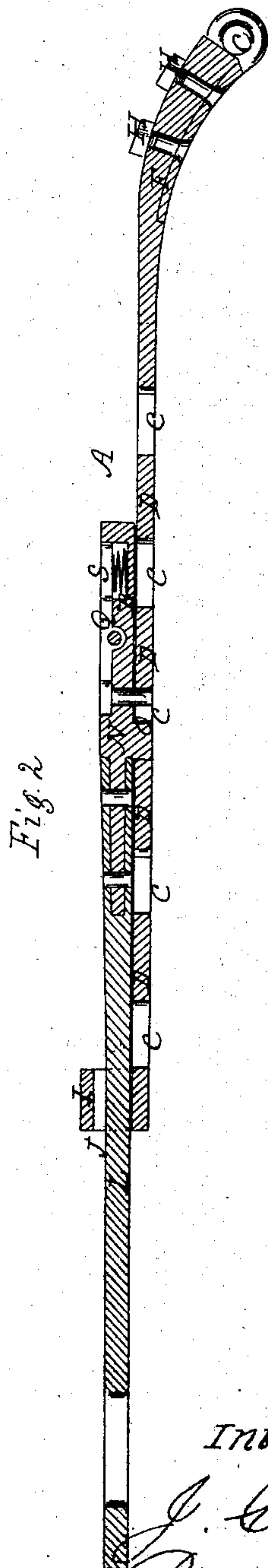
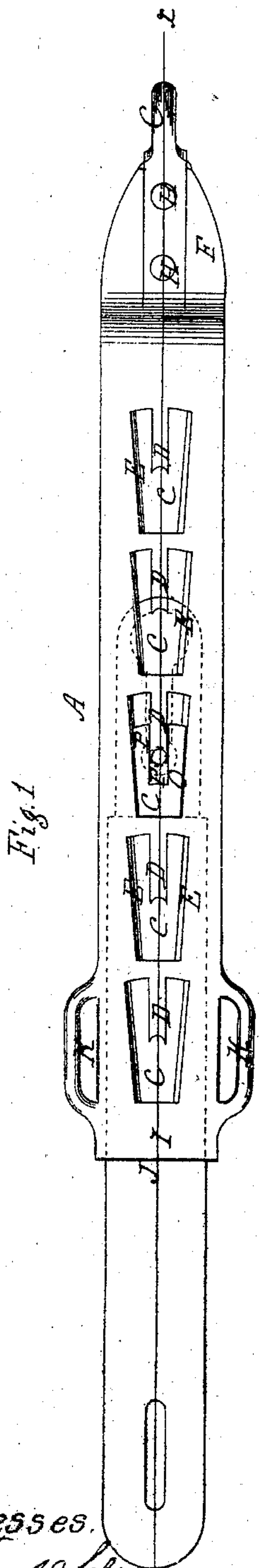


J. C. Covert.

Hames-Tug.

N^o 71993

Patented Dec. 10, 1867.



Witnesses.
Thos. Trushe
J. Allen Fraser

Inventor
J. C. Covert
Per Munnif
Attorneys

United States Patent Office.

JAMES C. COVERT, OF TOWNSENDVILLE, NEW YORK.

Letters Patent No. 71,993, dated December 10, 1867.

IMPROVED HAMES-TUG.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES C. COVERT, of Townsendville, in the county of Seneca, and State of New York, have invented a new and useful Improvement in Hames-Tugs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of the present invention is to produce a hames-tug of such construction as will obviate the use of heel-chains or buckles for the lengthening and shortening of the trace.

This hames-tug, according to the present invention, is made of a strip of malleable iron, or other suitable metal, perforated or provided with V-shaped holes or slots, having a centre tongue-piece for the reception of a V-shaped block fixed to one end of the trace, by means of which block the trace is engaged with the hames-tug, where, through a suitably-arranged spring-stop, that strikes against the end of the tongue to the said V-slots, the block is held firmly in place, and consequently the trace fastened to the hames-tug.

In addition to the above, this invention also consists in fastening the hames-clip to the hames by bolts, in lieu of rivets, as heretofore, whereby they can be removed and replaced as desired, and with facility and ease; and also in giving a curve or bend to the end of the hames-tug where hung to the collar, so as to throw and hold it off from the collar and shoulder of the horse. In the accompanying plate of drawings my improvements in hame-tugs are illustrated—

Figure 1 being a side or face view of the hames-tug or trace, and

Figure 2 a section taken in the plane of the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

A, in the drawings, represents my improved hames-tug, which is made of a strip or bar of malleable iron, or other suitable metal, or equivalent material. This bar A is provided with a series of similar V-shaped openings or slots, C, that are arranged along its length, each slot being provided with a centre tongue-piece, D. The sides or edges E to the slots C are bevelled off. At the end F, to hames-tug, is the bar, which is curved or bent into a shape to stand off from the collar and shoulders of the horse, and at such end is the hames-clip G, that, by means of bolts H, is fastened thereto, said hames-clip being let into the hames-tug flush with its surface, as and for a purpose hereinbefore stated. I, a loop, at end J of hames-tug, for the trace-strap to pass under, and K a loop on each side or edge for the back and belly-bands of the harness, to be hung or fastened thereto. L, the trace-strap, to which, at one end, M, is fastened a block, N, on one side of which is fixed a V-shaped block, O, of suitable size, to be inserted in the slots C to the hames-tug, passing by its groove P over the centre tongue B thereto. O, a spring-lever stop, arranged in block N in proper position to set against the end of the tongue D of the slots. This lever O is arranged in a recess, R, of the block N, and at one end is provided with a thumb-piece, S, for convenience in operating it.

I claim as new, and desire to secure by Letters Patent—

1. The metallic hames-tug A, provided with the V-shaped openings C, having inclined sides, and the tongues D, adapted to receive the V-shaped block O, formed upon the block N of the trace-strap, said block O held in place by means of the pin upon the spring-lever stop Q, fitting in the groove P in the end of tongue D of the hames-tug, as herein described for the purpose specified.

2. The hame-clip, fastened by bolts to the hames-tug, substantially as herein described and for the purpose specified.

3. The block N upon the trace-strap, when provided with the V-shaped block O, and the spring-lever Q, as herein described for the purpose specified.

JAMES C. COVERT.

Witnesses:

GILBERT TOWNSEND, 2d,
ALFRED TOWNSEND.