

(No Model.)

W. H. TILLOU.

HAME FASTENER.

No. 342,547.

Patented May 25, 1886.

Fig. 2.

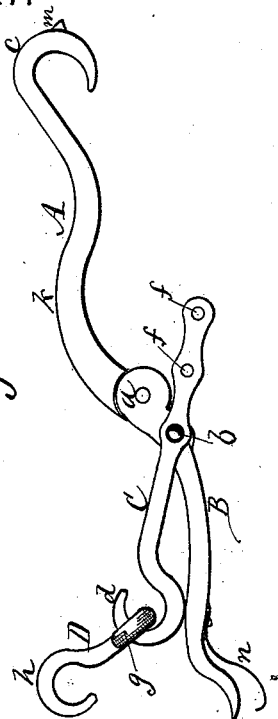


Fig. 3.

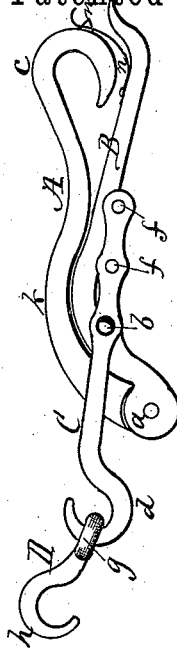
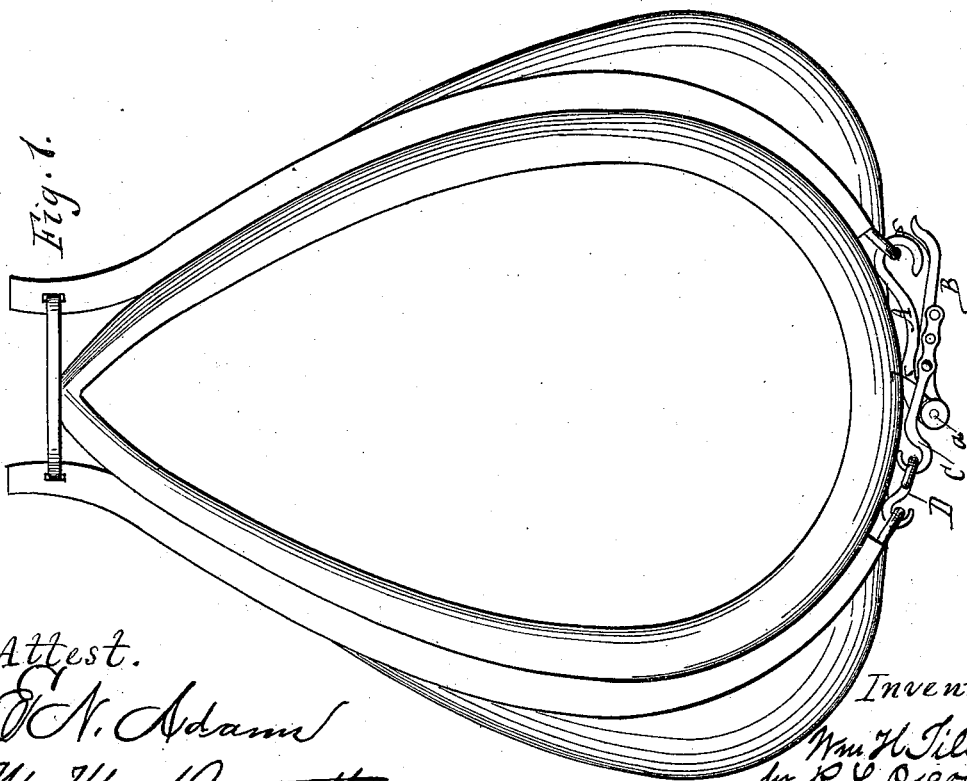


Fig. 1.



Attest.

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UNITED STATES PATENT OFFICE.

WILLIAM HENRY TILLOU, OF LE ROY, NEW YORK.

HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 342,547, dated May 25, 1886.

Application filed March 18, 1886. Serial No. 195,739. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY TILLOU, of Le Roy, in the county of Genesee and State of New York, have invented a certain new and useful Improvement in Hame-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the drawings accompanying this application.

My improvement relates to that class of hame-fasteners in which compound levers provided with hooks are pivoted together, the hooks engaging with the loops on the ends of the hames and the hames being tightened by crossing the levers and closing them together. Such devices are already known.

The invention consists in the combination, with the levers constituting the hame-fastener, of a pointed stud on the hook of one of the levers and a curved spring on one of the other levers arranged to secure the levers together when closed and hold them in position, as hereinafter more fully described.

In the drawings, Figure 1 is a front elevation of a horse-collar with my improvement applied thereto. Fig. 2 is an enlarged front view of the fastener in the open position. Fig. 3 is a similar view of the same in the closed position.

In the drawings, A, B, and C represent three levers, which, together with a link, D, constitute the fastening devices. The two levers A B are pivoted together at the inner end, as shown at *a*, so that they can be stretched wide open, as shown in Fig. 2, or can be closed together face to face, as shown in Fig. 3. The lever C is a straight bar, which is pivoted at *b* to the under lever, B, back of the pivot *a*. The levers A and C have hooks *c d* at their outer ends for engaging with the hames. The lever C is preferably made with an extension in the rear beyond its pivot provided with pivot-holes *ff*, whereby the fastening may be lengthened or shortened at any time to fit different hames. The link D is provided at one end with an eye or loop, *g*, that engages with

the hook *d*, and at the other end with a hook, *h*, that engages with the loop of the hames, said link D forming an extra attachment to the fastener.

The back, *k*, of the lever A is bowed or curved upward some distance above the pivot *a*, and its inner end is carried some distance below said pivot, as shown in Fig. 3, so that when the fastening is closed and strain is applied the said curved part *k* will bear up against the rim of the collar, while the direction of strain will come above the pivot *a*, and thus the fastening is made self-tightening.

On the outer face of the hook *e* is a pointed stud, *m*, and on the rear end of lever B is a flat spring, *n*, which is curved upward and turned outward, as shown in Fig. 3, and is provided with a hole, which, when the levers A B are closed together, catches automatically over the stud and holds the levers together. The spring is of such shape that the downward tendency of the lever B will only draw the spring tighter on the stud, but by throwing the spring out bodily by the finger they can be readily disengaged.

This invention is applicable both to driving and working harness, but more especially to the latter.

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

In a hame-fastener consisting of the jointed levers A B C and hook D, the combination, with the levers A B, of the pointed stud *m* on the hook of lever A, and a curved spring, *n*, on the end of lever B, arranged to automatically lock together and be self-retaining when the levers are closed, as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

WILLIAM HENRY TILLOU.

Witnesses:

HARRY H. FALKNER,

EDWARD W. VAN ALLEN.