

T. Henderson,
Hame Fastener,
Nº 9,149, Patented July 27, 1852.
Fig: 1.

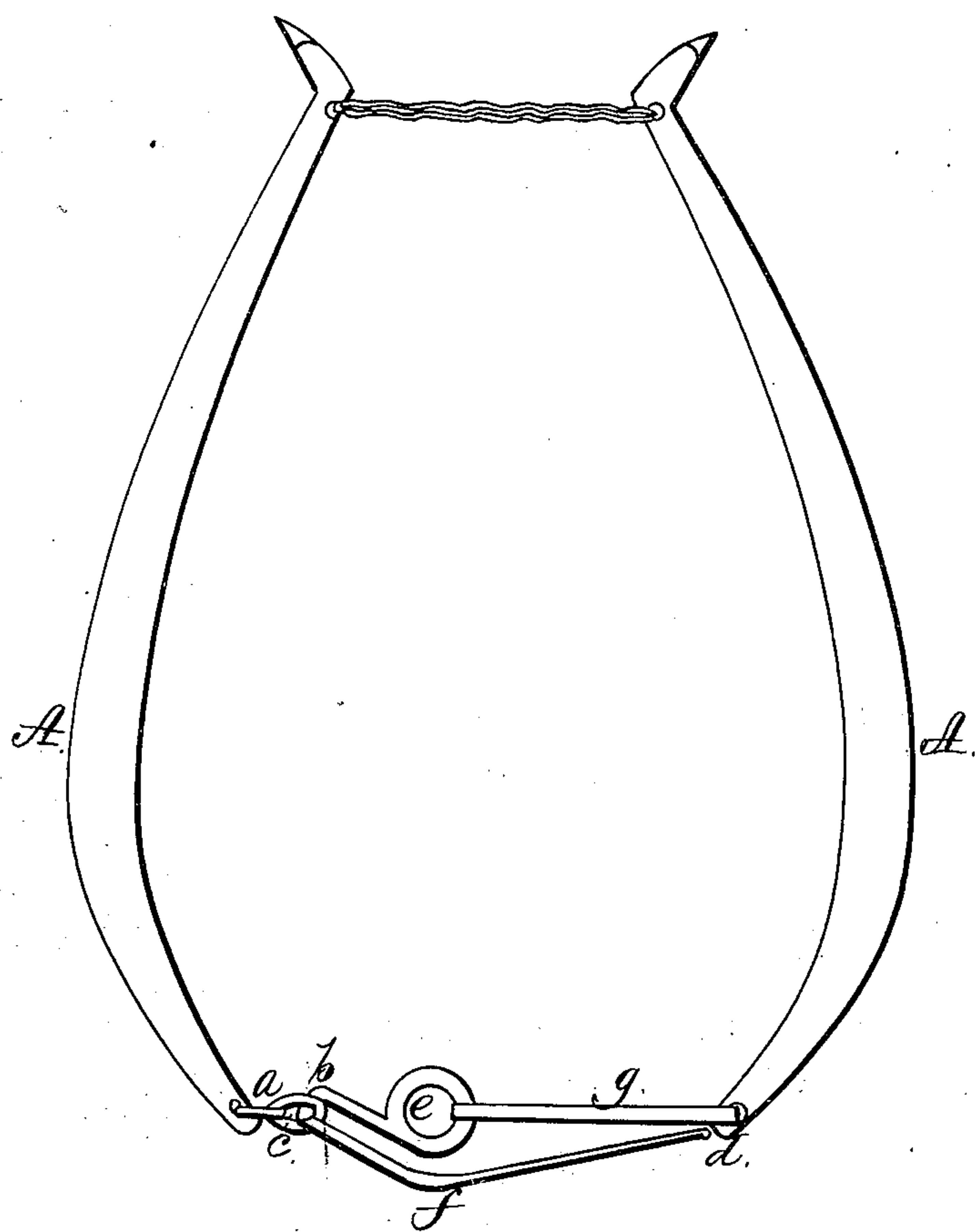
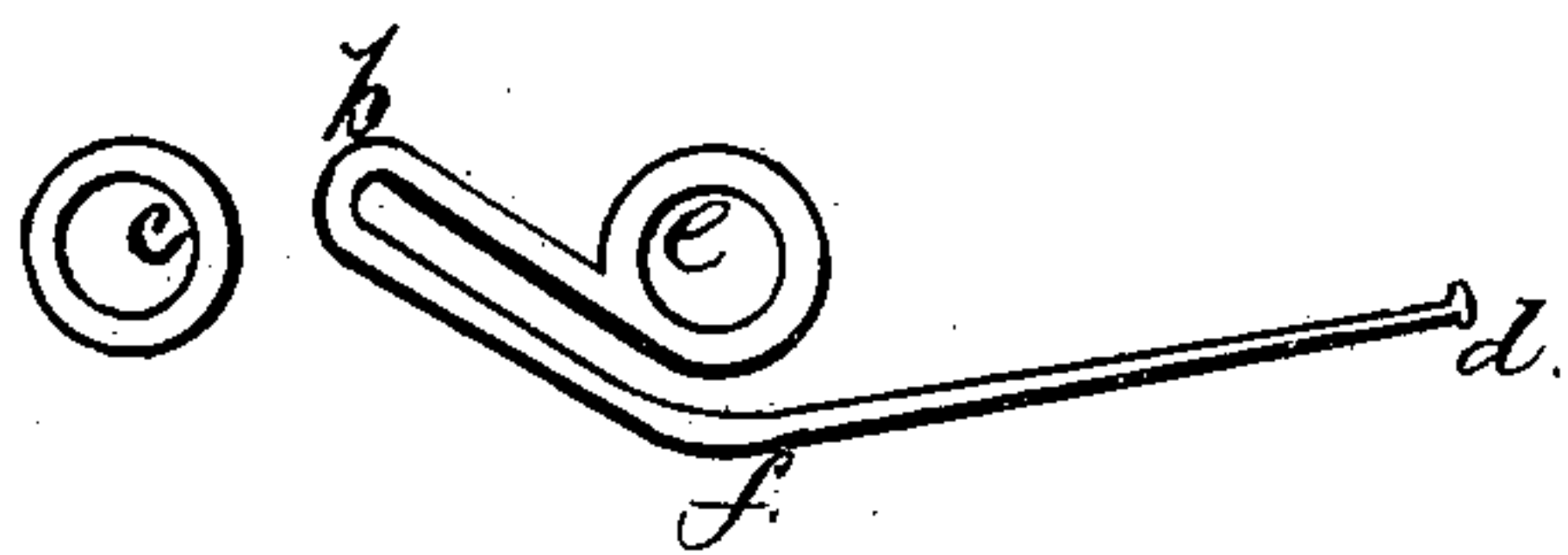


Fig: 2.



UNITED STATES PATENT OFFICE.

THOMAS HENDERSON, OF BLACK HORSE, MARYLAND.

FASTENING FOR HARNESS.

Specification of Letters Patent No. 9,149, dated July 27, 1852.

To all whom it may concern:

Be it known that I, THOMAS HENDERSON, of Harford county, and State of Maryland, have invented a new and useful Improvement on Hame-Fastenings; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure I is a connected view of the whole, and Fig. II a view of the parts separately.

Let *b*, *d*, *e*, *f*, represent a crooked lever, and *c*, a ring, both being made of iron, brass, or other durable metal. The lever has a round or square opening *e*, in one end, large enough to receive a strong leather thong or strap *g*, and is bent with a short curve at *b*, so as to bring the part at *f* about one half an inch nearer the center of the opening *e*, than the curve *b*, is to the said center. It is bent again at *f*, so that the point *d* may stand in a straight line with the centers of the opening *e* and the curve *b*. This lever is fastened to the lower end of one side of the hames A, A, by the leather thong or strap *g* passing through the opening *e*; the ring *c* is also secured to the lower end of the other side of the hames by the thong *a*.

When the hames are to be fastened on the collar, the point *d* of the lever is passed through the ring *c*, and by a slight pressure the ring slides on said lever into the curve *b*, and is held fast in this position by means of the peculiar construction of the lever. To

unloose the hames the end *d* of the lever is thrown back and the ring *c* drops out. The leather thong *a*, that holds the ring *c*, may be formed into a loop and substituted for said ring if desired. This whole arrangement is so simple, that any one who can tie a string can attach it to any hames now in ordinary use; and it is perfectly safe, and free from liability to get out of order.

Having thus fully described my invention or improvement, I wish it to be understood, that I do not claim, in general terms, the use of a crooked lever and ring, for these have been applied before to this purpose; but

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

The use of this peculiar kind of crooked lever or hook, described above, in which the fulcrum and center of motion are at the short end, and the point of resistance at the curve and in a straight line with the fulcrum and other end, thereby effecting the desired object within itself, and without the combined aid of plate, spring, rivet, or other fixture;—whether the same be applied to the fastening of hames, as described above, or to connecting the ends of chains, as in the case of the chains usually fastened across the middle of wagon-bodies, or to any similar purpose.

THOMAS HENDERSON.

Witnesses:

NICHOLAS D. M. LYTLE,
JOSHUA MCCOMAS.