

(No Model.)

J. K. HENDRICK & M. J. HEWLETT.  
CLIP FOR WHIFFLETREES.

No. 452,120.

Patented May 12, 1891.

Fig 1

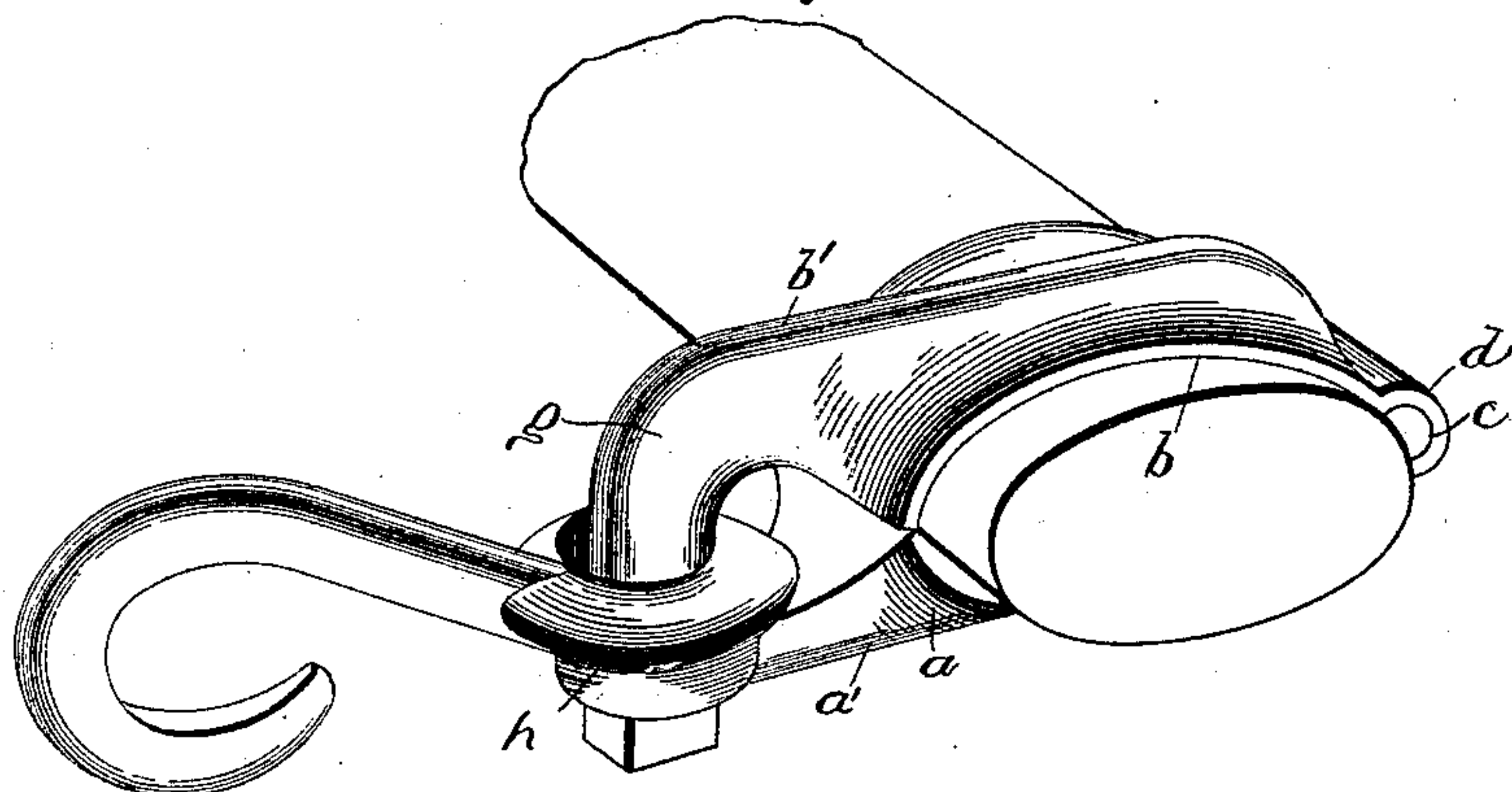
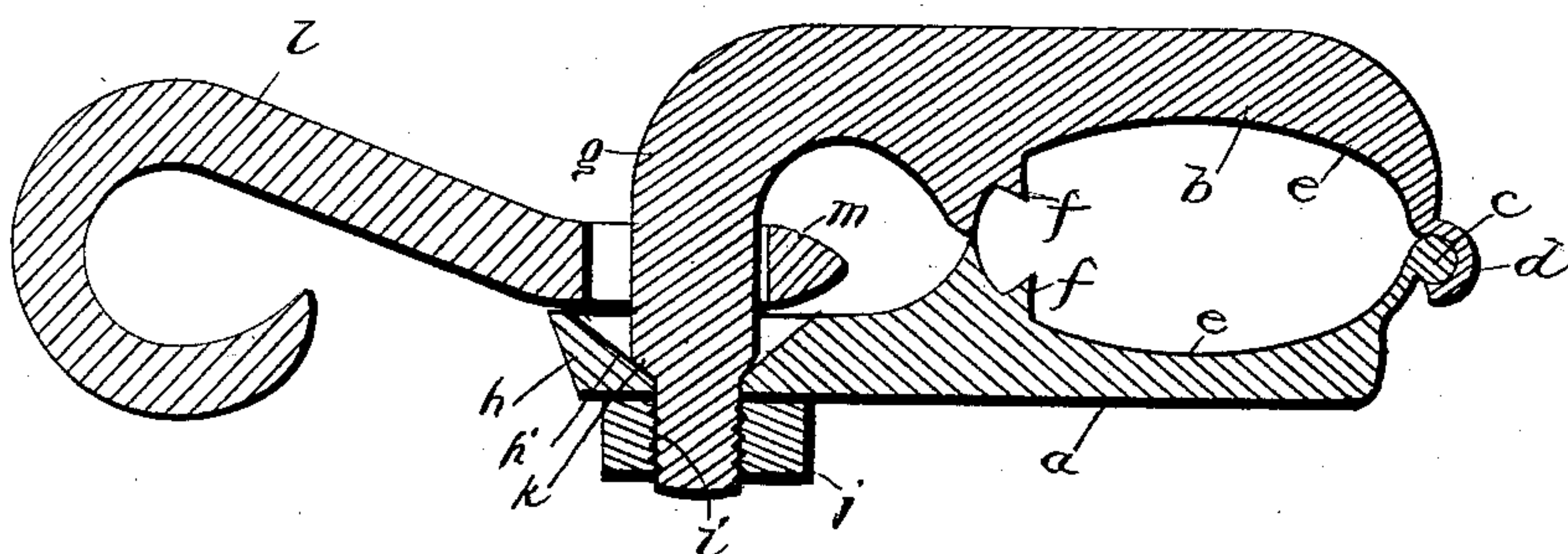


Fig 2



Witness  
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# UNITED STATES PATENT OFFICE.

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## CLIP FOR WHIFFLETREES.

SPECIFICATION forming part of Letters Patent No. 452,120, dated May 12, 1891.

Application filed December 10, 1890. Serial No. 374,202. (No model.)

*To all whom it may concern:*

Be it known that we, JOHN K. HENDRICK and MADDRA J. HEWLETT, citizens of the United States, residing at Smithland, in the county of Livingston and State of Kentucky, have invented certain new and useful Improvements in Clips for Single and Double Trees; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention has relation to clips for single and double trees, and has as its objects the production of a clip which is simple, effective, durable, and economical, and which may be applied by an inexperienced person with only the aid of a wrench.

To these ends our invention consists in certain features of novelty to be hereinafter described, and then pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view showing our clip applied to a singletree. Fig. 2 is a longitudinal section of the clip.

The clip is composed of two members, one *a* and another *b*, respectively provided with longitudinal strengthening-ribs *a'* and *b'* at their backs. The rear ends of the members *a* *b* are hinge or knuckle jointed by means of a rounded enlargement or bead *c* on member *a*, constituting a bearing portion, and a curved or semicircular lip *d* on member *b*, its inner face conforming to and the same fitting on the rounded enlargement or bead *c*. The inner faces *e* of the two members *a* *b* are curved or suitably conformed, so as to fit snugly on the single or double tree, and are provided with teeth or projections *f*, adapted to dig into the wood and retain the members. The front end of member *b* is formed into a horn *g*, that extends forwardly and toward the other member, passing through an eye *h*, beveled at *h'* around its opening and projecting from the front end of member *a*. The horn *g* is preferably reduced at its end and provided with screw-threads *i* to receive a tap or nut *j*, the reduction of the end of the horn forming a shoulder *k*, adapted to be received by the beveled side of the opening of the eye *h*. *l* is a hook provided with an eye *m*, that fits over the horn, the hook being retained on the horn

when it is passed through the eye *h*, and the nut *j* is screwed on the horn.

Among the advantages arising from our invention are the following:

First. The clip is so constructed that in case of breakage of the hook or a desire to use a lap-ring, clevis, or ordinary ring it may be removed by opening the clip and putting in another hook, clevis, lap-ring, or other ring, as desired, and where lap-rings are to be attached there is no necessity for opening or closing them, as the tap or nut on the horn of the clip may be removed in an instant and the lap-ring put into place without a moment's delay.

Second. Our clip being in two pieces, besides the hook and tap, can be molded out of malleable iron, thus greatly reducing the cost and preventing the breaking or cracking thereof from a hard blow or sudden jar, and the clip, hook, and tap may be numbered, thereby enabling a person to buy any part of it without buying the entire clip and hook combined.

Third. The clip may be used with either side on top of the single or double tree, and may also be used for the ends of breast-yokes.

Other advantages could also be mentioned.

The clip may be made any size desired, but will be manufactured in three classes, to wit: No. 1 for the ends of singletrees, No. 2 for the centers of singletrees and ends of doubletrees, and No. 3 for the centers of doubletrees.

What we claim is—

1. In a clip for single and double trees, the combination, with one member provided with a screw-threaded horn at one end, of the other member provided with an eye at one end, through which said horn passes, a tap or nut screwed onto the horn, and means for hinging the other ends of the members together, substantially as set forth.

2. A clip for single and double trees, the same consisting of three parts only, to wit: one member provided with a screw-threaded shouldered horn at one end, another member provided with an eye at one end, through which said horn passes, said eye being beveled around its opening to receive the shoulder of the horn, a tap or nut screwed onto the horn, and means for hinging the other ends

of the members together, substantially as set forth.

3. A clip for single or double trees, the same consisting of three integral parts only,  
5 to wit: one member provided with a screw-threaded horn at one end, another member provided with an eye at one end, through which said horn may pass, a rounded enlargement or bead at the other end of one of  
10 said members and a curved or semicircular

lip at the other end of the other of said members, and a tap or nut for screwing onto the horn, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN K. HENDRICK.

MADDRA J. HEWLETT.

Witnesses:

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