

L. C. TERRY.

Whiffletree.

No. 24,417.

Patented June 14, 1859.

Fig. 1.

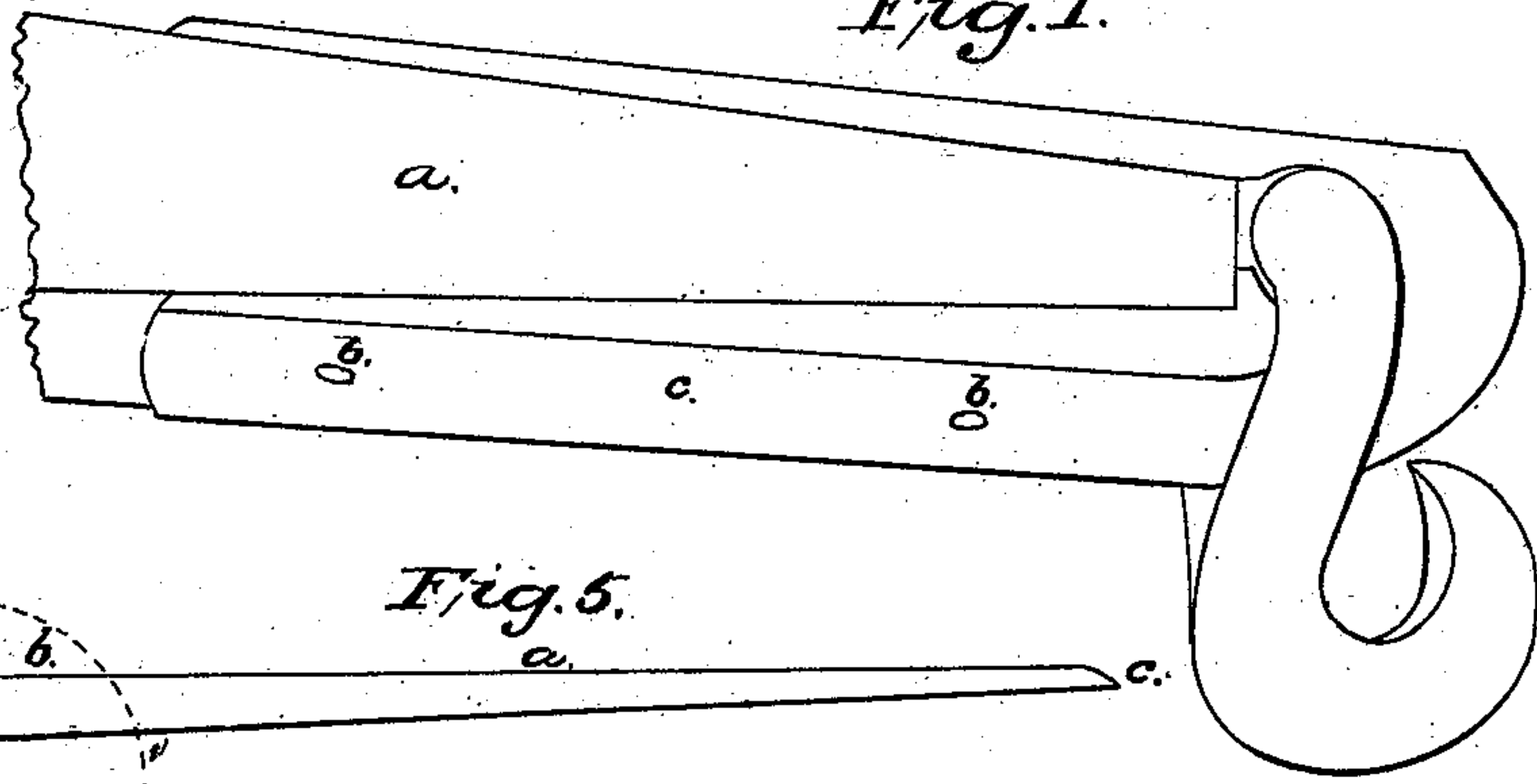


Fig. 5.

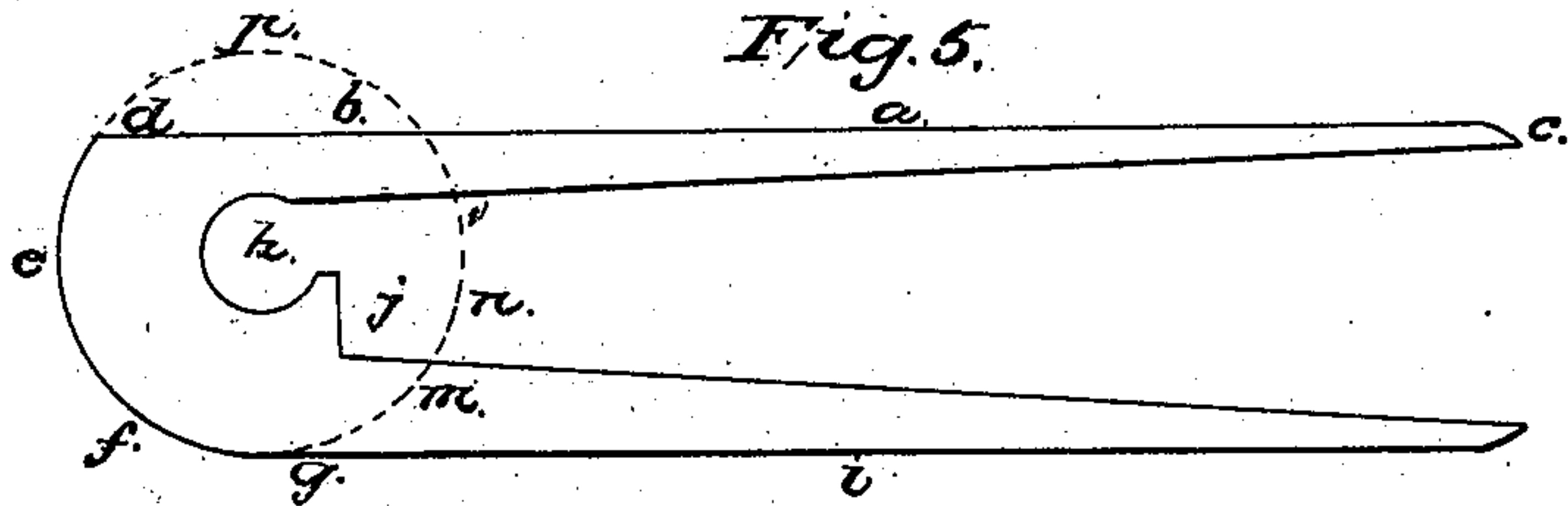


Fig. 2.

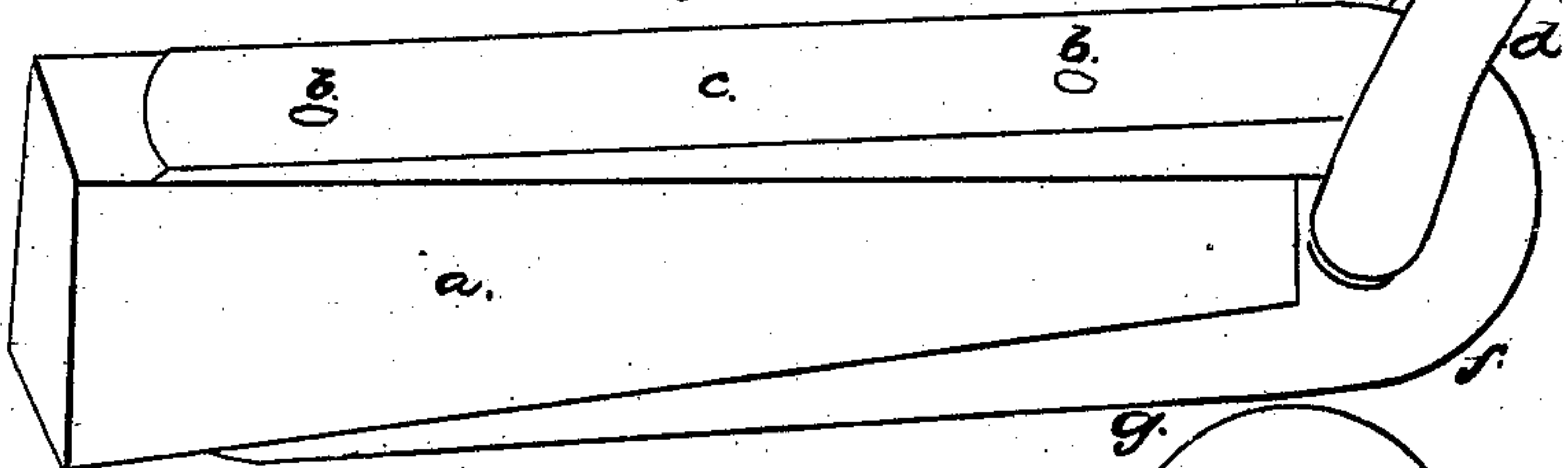


Fig. 6.

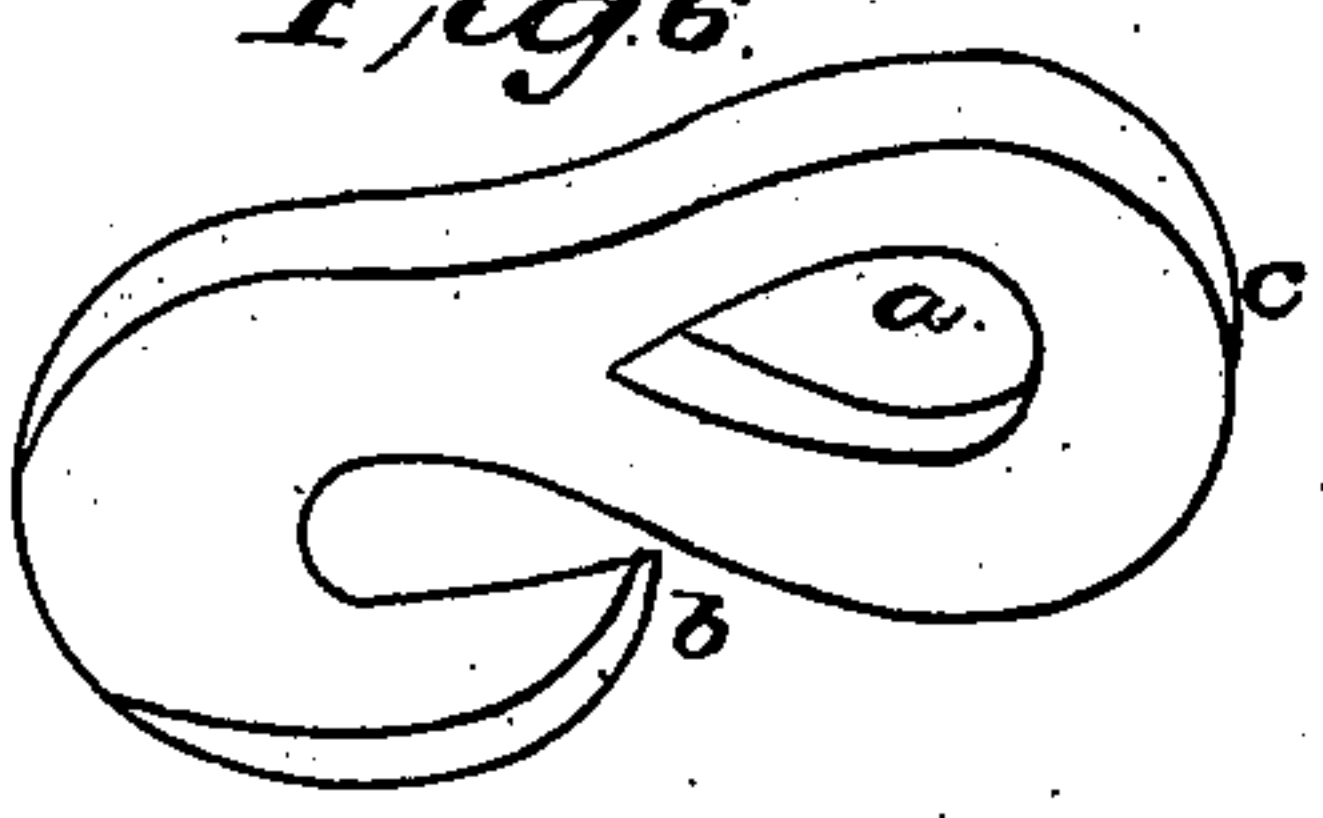


Fig. 3.

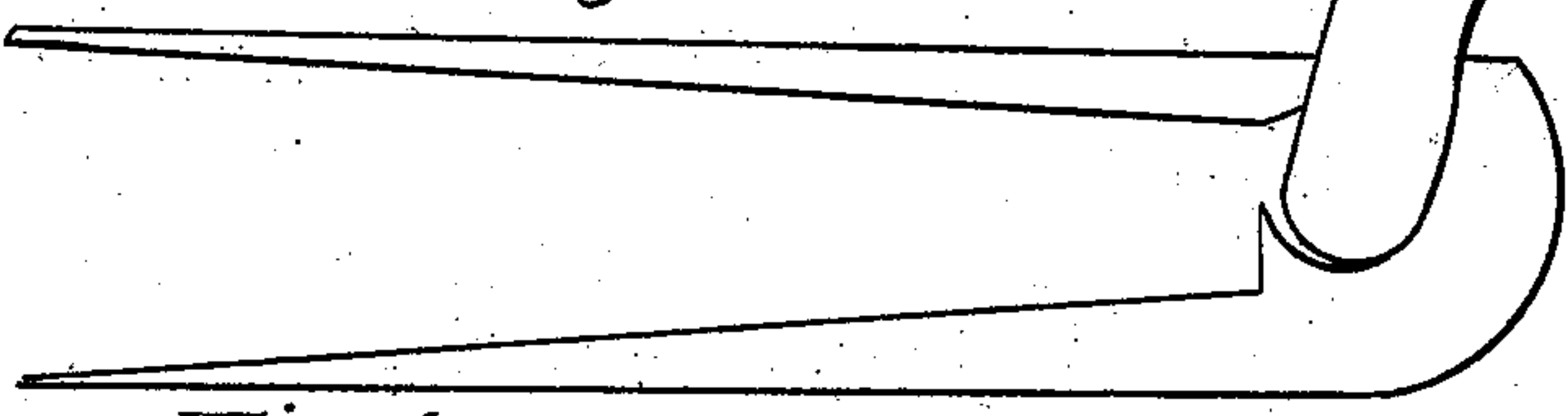
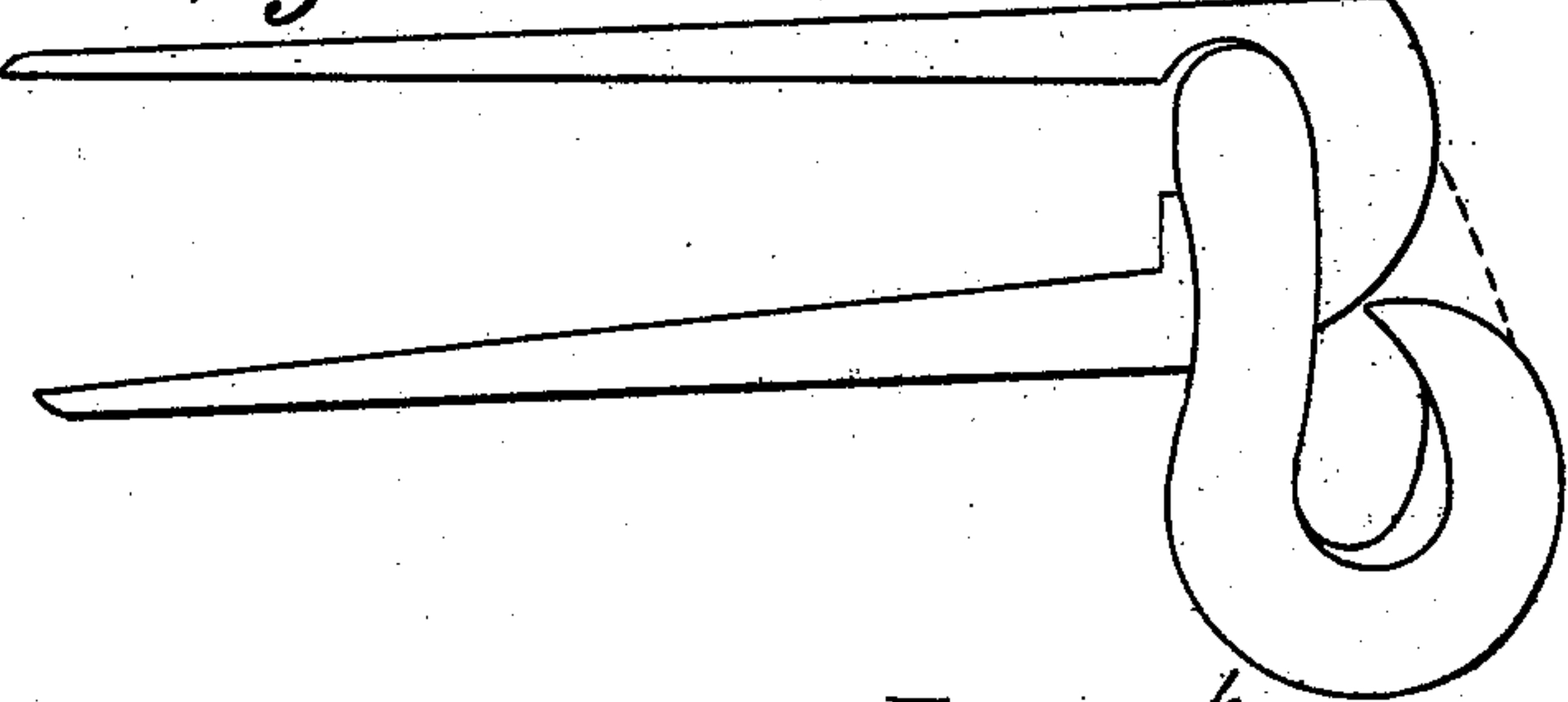


Fig. 4.



Witnesses.
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LEWIS C. TERRY, OF CHENANGO, NEW YORK.

WHIFFLETREE-HOOK.

Specification of Letters Patent No. 24,417, dated June 14, 1859.

To all whom it may concern:

Be it known that I, LEWIS C. TERRY, of Chenango, in the county of Broome and State of New York, have invented a new and useful Improvement on the Irons which are Used on the Ends of Whiffletrees, by which improvement the trace or "tug," as some are called, is more certainly and permanently secured from unhooking and getting loose from the whiffletree while in use; 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 annexed drawings, making a part of this specification, in which—

Figures 1 and 2 are perspective views of the irons attached or fitted to a part of the whiffletree, which is marked *a*. *b, b, b, b*, are holes through which screws or rivets are to be put to fasten the irons to the wood of the whiffletree. Figs. 3 and 4 give a simple side view of the irons as they will appear when held in a horizontal position with the eye, showing the hook in two positions, and not in perspective.

Fig. 5 gives a side view of the iron, which passes around the end of the wood of the whiffletree, showing the form of the end or bow, and also that of the eye, which is to receive, and retain, the ring of the hook, in its place. Fig. 6 shows the hook in perspective.

I construct the irons of cast, malleable cast, or wrought iron, making the hook and strap in separate parts, as shown in the drawing by Figs. 5 and 6. For the construction and form of the strap, showing the shape of the bend or bow of the same, reference is made to Fig. 5, in the drawing. The strap *a*, is a little thicker at *b* than at *c*, designed to be only of sufficient thickness, to insure strength; and the width of the same, is to depend on the kind of whiffletree, used—that is to say, whether it is for one or two horses. The strap *a* is designed to be straight from *c*, to *d*, and is to be placed on the back edge, of the whiffletree.

d, e, f, g, is a part of a circle, as shown by the dotted line *m, n, o, p*, having *h*, for a center.

i is the front strap, formed similar to the strap *a*, except that it is thicker at *j*, and is a little wider, in order to insure the proper form of the bend or bow of the strap, from *d*, through *e, f*, and *g*. The part of the

strap included between *d, e, f, g, j*, and *h*, is of solid iron, and of such dimensions, as that it will nearly fill the ring of the hook, as shown at *a*, Fig. 6.

To put the hook and strap together, as they appear in Figs. 3 and 4, and as they are to be, when used, the ring of the hook, as shown at *a*, Fig. 6, is placed on the strap *a*, Fig. 5, with the point *b*, of the hook, at *h*. The ring of the hook is then slid on to the strap, until that part of the hook marked *c*, shall be at *h*, when the point of the hook will be at *b*, Fig. 5, occupying a position as shown by Fig. 3, which is the position in which the hook is to be, when the trace is to be hooked, or unhooked; the hook is then carried backward, around *d, e, f*, to *g*, the point of the hook moving upon, and around, the arc of the circle as shown at *d, e, f, g*, when the hook, will be in the position shown by Fig. 4 and as it is intended to be when the trace is hooked on, and ready for use.

Fig. 1 represents the whiffletree as it is, when the trace is hooked and ready for use, and also shows the form of the front strap marked *c*.

Fig. 2 represents the whiffletree with the hook in the position it is necessary to be, when the trace is hooked or unhooked, and also the form of the strap, on the back edge of the whiffletree marked *c*.

The method of hooking on, fastening, and again unhooking the trace, from a whiffletree, having the within described irons on it, is as follows viz: Place the hook on the back edge of the whiffletree, and in a horizontal position with it, as shown in the drawing by Fig. 2, twist the trace over toward the middle of the whiffletree, hook it, then carry the hook in a horizontal position around the end of the whiffletree, in the direction indicated by the letters *d, e, f, g*, Fig. 2, when the hook will occupy a position as shown by Fig. 1 in the drawings and the trace will be fastened. To unhook the trace the operation of hooking it is simply reversed.

What I claim and desire to secure by Letters Patent is—

1. A hook pivoted or hinged to its supporting eye, which is cut away or flattened on its back in the manner described, so that the point of the said hook being in contact or nearly so, with its said holding eye, will securely confine a link, a ring, a staple, a trace, or similar object in all positions, excepting when turned back upon the said flat-

tened or eccentric part of the eye substantially as set forth in my description.

2. I also claim the right in addition to the above to so construct the hook and eye that
5 the hook shall have but one motion viz: a horizontal motion directly around the circle formed by the said eye so that the said hook shall not drop or work from side to side and the exclusive right to use the same in either

or both the forms above mentioned and described for all purposes for which they may
10 or can be used when constructed substantially as set forth.

LEWIS C. TERRY.

Witnesses:

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