

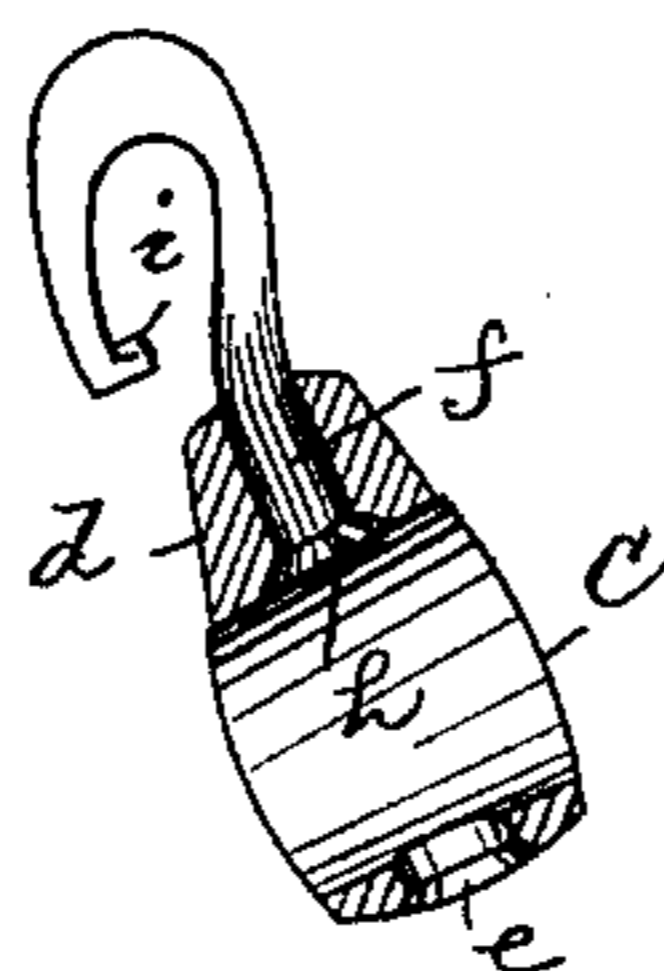
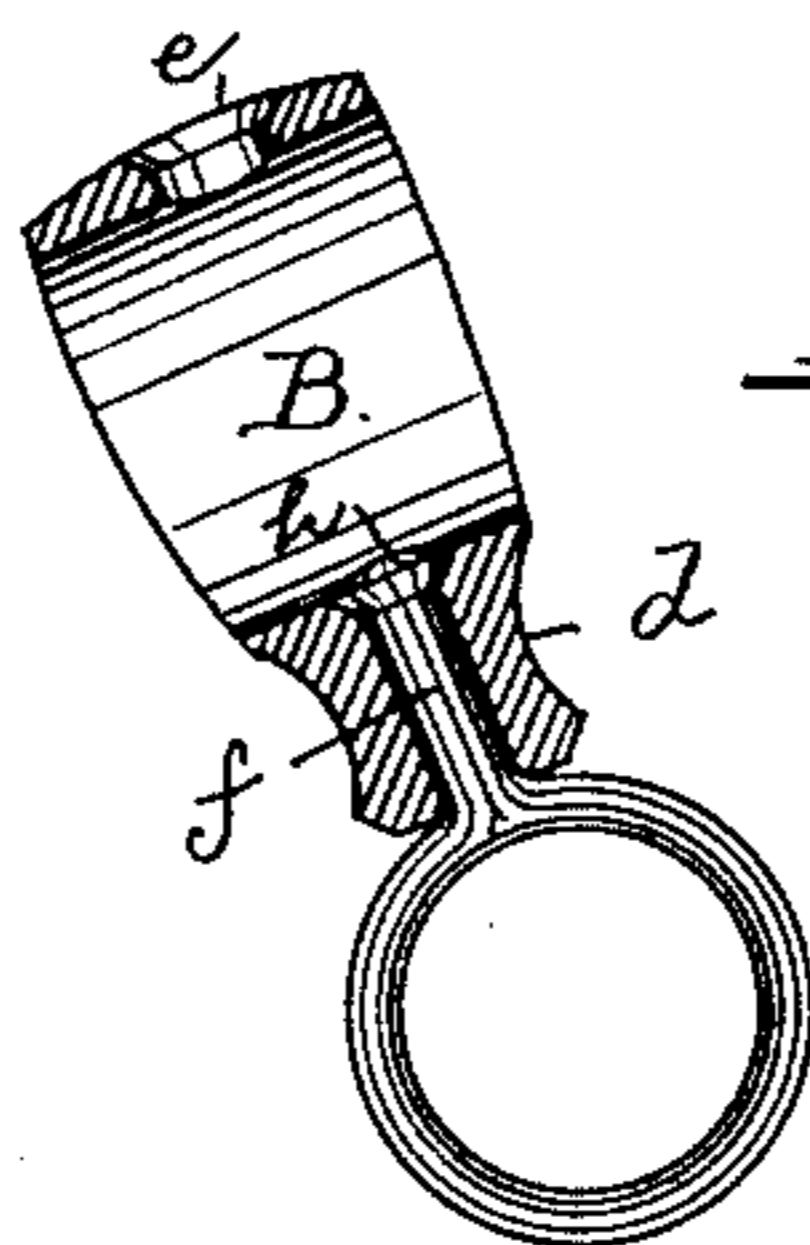
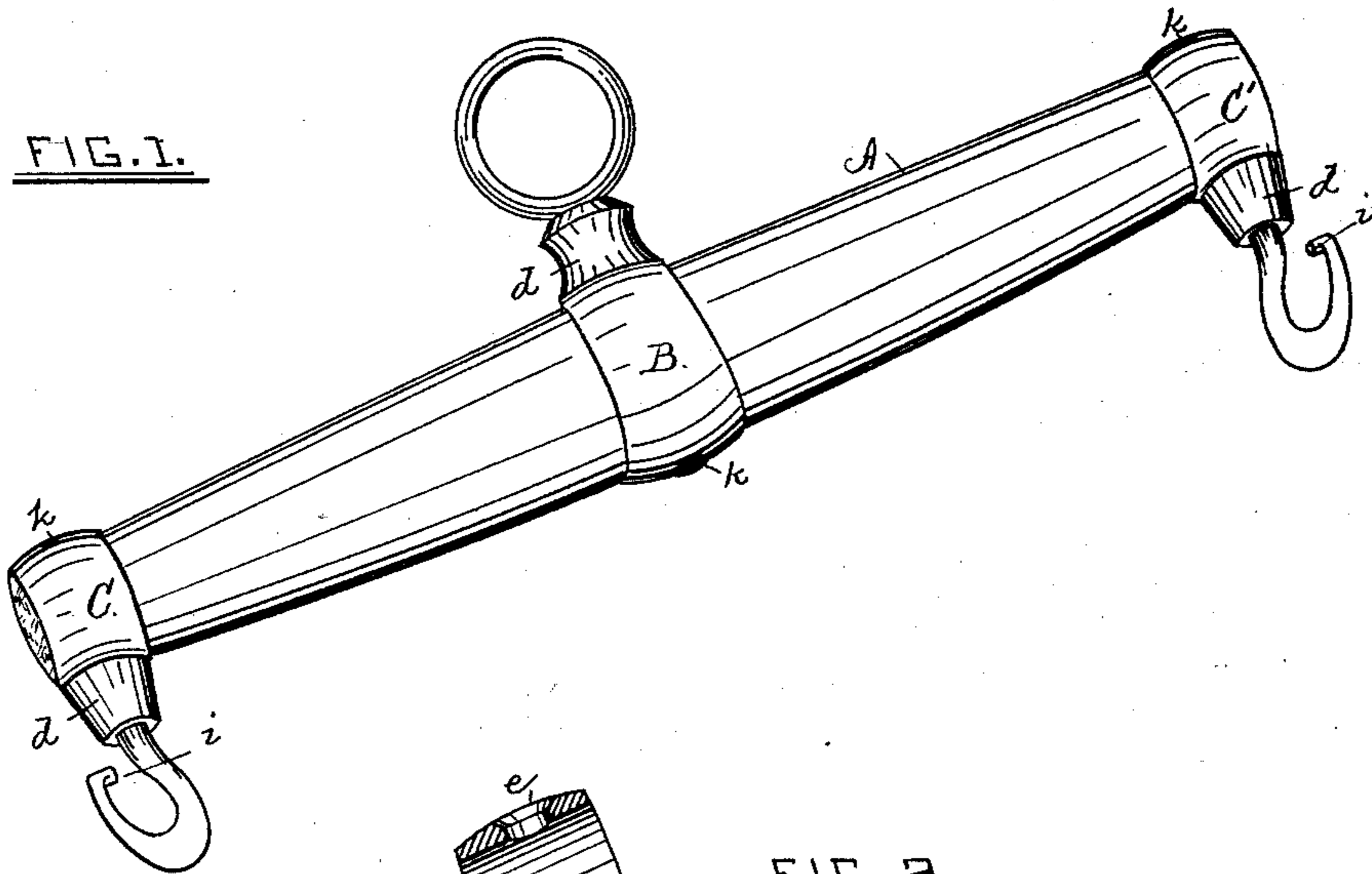
(No Model.)

J. L. WOODWARD & R. MONTFORT.

WHIFFLETREE.

No. 341,302.

Patented May 4, 1886.



Witnesses
S. M. Jenkins
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By their Attorney H. N. Jenkins

UNITED STATES PATENT OFFICE.

JOHN L. WOODWARD AND RICHARDSON MONTFORT, OF BUTLER, GA.

WHIFFLETREE.

SPECIFICATION forming part of Letters Patent No. 341,302, dated May 4, 1886.

Application filed February 3, 1886. Serial No. 190,669. (No model.)

To all whom it may concern:

Be it known that we, JOHN L. WOODWARD and RICHARDSON MONTFORT, citizens of the United States, and residents of Butler, county of Taylor, State of Georgia, have invented new and useful Improvements in Whiffletrees, of which the following is a full and exact description, reference being had to the accompanying drawings, making part of this specification.

Our invention consists in a whiffletree having metal bands or clips provided with swivel hooks or rings, whereby direct connection is made between vehicles and the pulling-gear thereof.

The object of our invention is to dispense with the use of lap-rings or other connecting devices, and to avoid the annoyance and delay resulting therefrom in the attaching and detaching of same.

Our invention is clearly shown in the accompanying drawings, whereon Figure 1 is a perspective view of same as when ready for use. Fig. 2 is a detached sectional view of the central band or clip, and Fig. 3 a like view of one of the end bands or clips, the two latter figures having portions of same broken away in order to show the swivel-connection thereof.

On the drawings, the letter A designates the whiffletree proper; B, the central band or clip thereof; C C', the end bands or clips. Each band or clip is provided at one side of same with a projection, *d*, and at the opposite side with a perforation, *e*. In a direct line with this perforation the projection *d* is provided with a hole to receive the swivel-end *f* of a ring bolt or hook, as shown in Figs. 2 and 3. The inner end of the ring bolt or hook is provided with a head, *h*, either before being inserted in position or afterward. If before, the holes *e* should be made large enough for the passage of same, and the eyes or hooks should

not be formed until the swivel-joint is made. Otherwise the said joint may be completed before the sides of the band are welded together, or heads may be formed on the inner ends of the swivel-shank by securing the outer portion of same in a vise and inserting a suitable tool through the hole *e* and thereby riveting or otherwise forming the head. The points *i* of the hooks are bent inwardly, as shown in the drawings, to prevent the connecting parts from slipping out of same.

The bands or clips are secured to the whiffletree by means of screws inserted in the perforations *e*, as shown at *k* in Fig. 1.

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

1. A metal band or clip provided at one side with a hole for the reception of a fastening-screw, and directly opposite same with an annular projection, as described, in combination with an eyebolt or hook, the shank of which is adapted to be secured within the annular projection, substantially as and for the purpose set forth.

2. The combination of a whiffletree provided with central and end bands, each having a perforation in one side thereof, and directly opposite same with an annular projection, the eyebolt and hooks adapted to be secured within said annular projections, and the screws whereby the bands are fastened to the whiffletree, substantially as described, and for the purpose specified.

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

JOHN L. WOODWARD.
RICHARDSON MONTFORT.

Witnesses:

W. H. CARITHERS,
J. B. FOWLER.