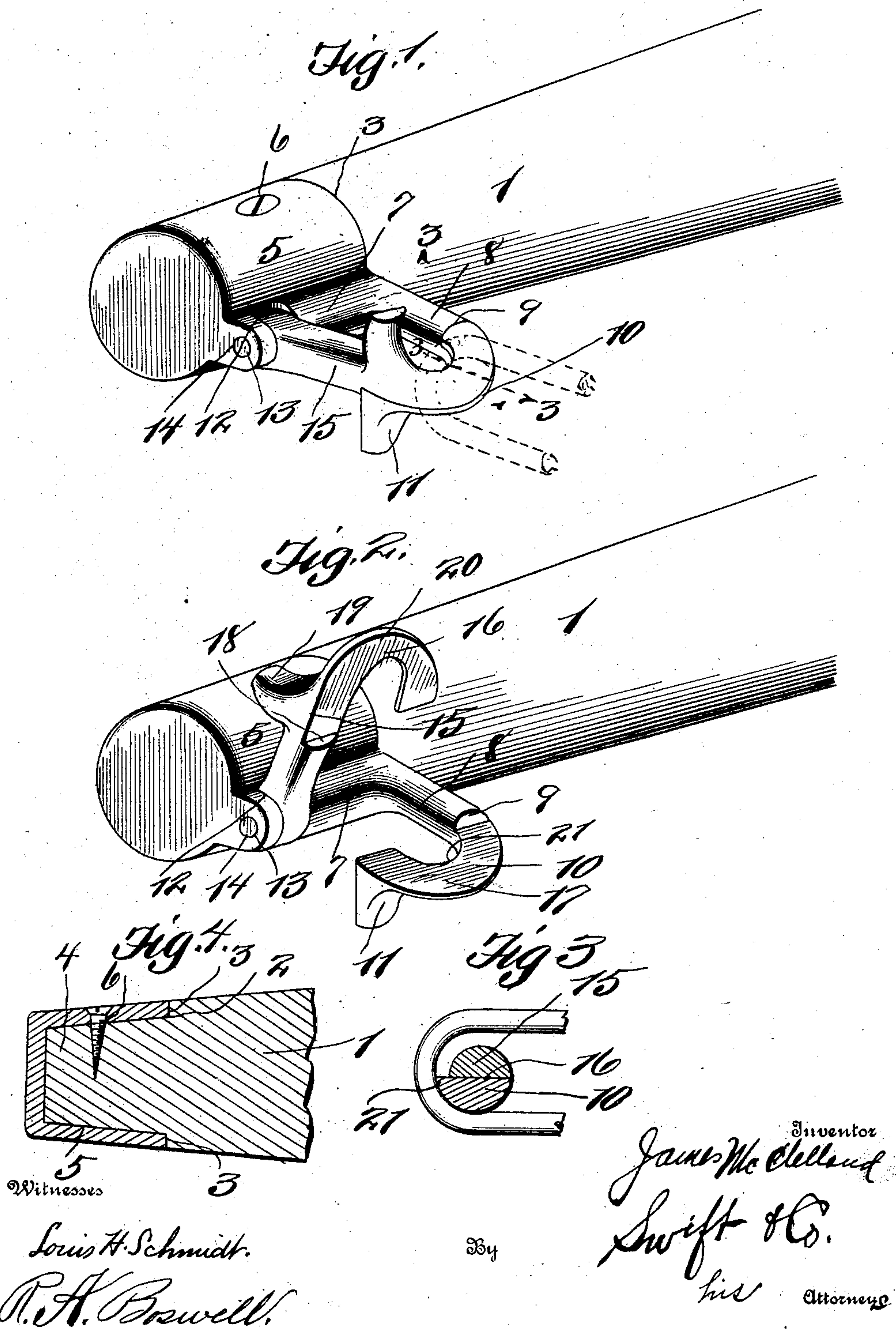


No. 840,152.

PATENTED JAN. 1, 1907.

J. McCLELLAND.
WHIFFLETREE HOOK.
APPLICATION FILED APR. 5, 1905.



UNITED STATES PATENT OFFICE.

JAMES McCLELLAND, OF CARSON CITY, MICHIGAN.

WHIFFLETREE-HOOK.

No. 840,152.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed April 5, 1905. Serial No. 253,956.

To all whom it may concern:

Be it known that I, JAMES McCLELLAND, a citizen of the United States, residing at Carson City, in the county of Montcalm and State of Michigan, have invented a new and useful Whiffletree-Hook; and I 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.

This invention relates to hooks adapted to be fitted to the end of a swingletree; and the object of the invention is to provide a simple and inexpensive means whereby the ring of the trace may very easily be attached to or detached from the hook.

More especially, the invention provides a hollow cup-shaped casting which is adapted to be fitted to the end of a swingletree by cutting away the end of the latter and forming a shoulder against which the hollow cup-shaped casting is adapted to abut. Furthermore, the casting is provided with a bead, and projecting therefrom is a two-pieced hook.

The invention consists in various details of construction and in combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, which, with the figures of reference marked thereon, form a part of this application, such figures of reference indicating like parts in the views, in which—

Figure 1 is a perspective view of the end of a swingletree with my improved hook fastened thereon. Fig. 2 is a similar view showing the hook in open position. Fig. 3 is a section on line 3 3 of Fig. 1, and Fig. 4 is a sectional view through the end of the swingletree.

Reference now being had to the details of the drawings by figures, 1 designates a swingletree the end of which is cut away, as at 2, forming a shoulder 3 and leaving a contracted portion 4, which is adapted to be inserted in the hollow cup-shaped casting 5, said casting being held thereon by screws 6.

Located on the circumference of the cast-

ing is a bead 7, and projecting from one end of said bead is the rigid jaw 8 of the hook, said jaw having a shoulder, as at 9, and a semicircular portion 10. Said semicircular portion 10 is provided at the end with a projecting lug 11, which is provided for the purpose of preventing the ring of the trace from slipping therefrom. The other end of the bead is cut away close to said end, which cut-away portion forms a recess 12, the sides of which have apertures 13, adapted to receive the pivot-pin 14. Pivotaly mounted upon said pin is the straight portion of the movable jaw 15, the under side of which is flattened, as at 16, to correspond with the flattened surface 17 of the rigid jaw 8. Thus it will be seen that when the two jaws are closed the hook will have the appearance of being circular in cross-section.

At the termination of the flattened portion 16 of the movable jaw 15 is a shoulder 18, which is adapted to engage with the end of the semicircular portion of the rigid jaw. Projecting from the upper side of the movable jaw is a lug 19, corresponding to the lug 11 upon the rigid jaw, said lug 19 also preventing the ring of the trace from accidental displacement. The movable jaw 15 is also provided with a semicircular portion 20 to correspond with the rigid jaw 8. The rigid jaw at the semicircular portion when casted is made a little larger in diameter, as at 21, as shown clearly in Fig. 3, this being for the purpose of allowing the ring of the trace to have a bearing therewith without in any way coming into contact with the upper portion of the movable jaw. Thus by reference to the different figures of the drawings the detailed construction and operation of the device will be clearly understood.

Of course it is distinctly understood that various changes in the detailed construction and operation of the device can be readily made without in any way departing from the spirit and scope of the invention.

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

A whiffletree-hook, comprising a cup-shaped casting, a jaw formed integral there-

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with, and having a curved outer portion, a pivoted jaw also having a curved outer portion overlapping said integral jaw, a recess formed in the curve of said pivoted jaw, for
5 relieving the same of strain, and a lug or shoulder, formed intermediate the ends of said pivoted jaw, substantially as described.

In testimony whereof I have hereto affixed my signature in the presence of two witnesses.

JAMES McCLELLAND.

Witnesses:

IRA CUMMINGS,

WINIFRED HUGGINS.