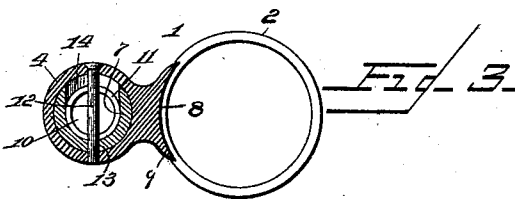
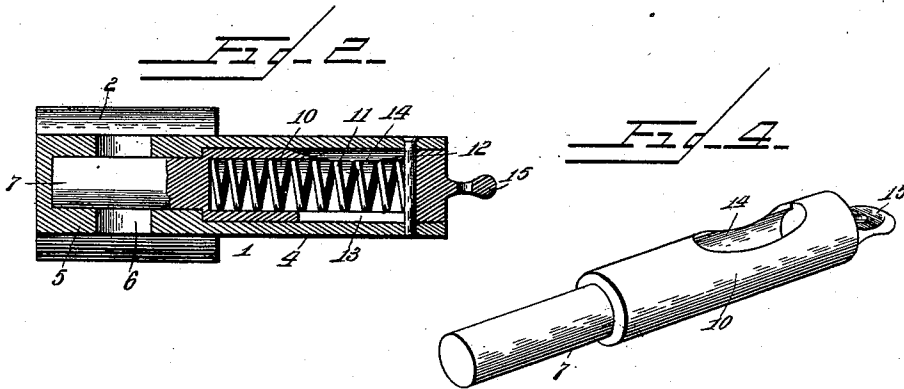
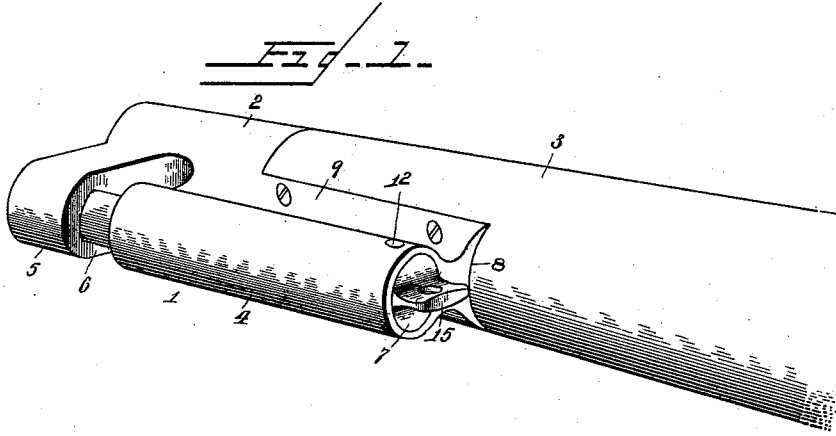


(No Model.)

H. P. EGEDAL.
WHIFFLETREE HOOK.

No. 541,731.

Patented June 25, 1895.



Inventor
Hans P. Egedal.

Witnesses
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UNITED STATES PATENT OFFICE.

HANS P. EGEDAL, OF THOR, IOWA.

WHIFFLETREE-HOOK.

SPECIFICATION forming part of Letters Patent No. 541,731, dated June 25, 1895.

Application filed April 23, 1895. Serial No. 546,931. (No model.)

To all whom it may concern:

Be it known that I, HANS P. EGEDAL, a citizen of the United States, residing at Thor, in the county of Humboldt and State of Iowa, have invented a new and useful Whiffletree-Hook, of which the following is a specification.

The invention relates to improvements in whiffletree hooks.

10 The object of the present invention is to improve the construction of whiffletree hooks, and to provide a simple and inexpensive device, adapted to enable a trace to be readily attached to and quickly removed from a whiffletree, and capable of securely holding a trace and of absolutely preventing any accidental unfastening of the same.

The invention consists in the construction and novel combination and arrangement of 20 parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a whiffletree hook, constructed in 25 accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view. Fig. 4 is a detail perspective view of the spring actuated bolt.

30 Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a casing constructed of suitable metal, and provided with a ferrule or cap 35 2 receiving an end of a whiffletree 3, and the casing is provided at its front with a cylindrical housing 4, and a socket 5, separated from the housing by a space or opening 6, to receive a trace, to permit a spring actuated bolt 7 of 40 the housing to engage the trace. The casing has a concave rear face 8, adjacent to the ferrule or cap 2, to conform to the configuration of a whiffletree, and it is provided with flanges 9, perforated to receive suitable fastening devices 45 for holding the cap or ferrule on the whiffletree.

The socket 5 is closed at its outer side, and is provided with an opening which registers with the bore or opening of the cylindrical 50 housing.

The bolt 7 is provided with a hollow or tubular inner portion 10, receiving a spiral or coiled spring 11, having its inner end engaging a transverse pin 12, and its outer end bearing 55 against the solid portion of the bolt, and forcing the latter outward, and holding the outer extremity in the socket 5. The inner tubular portion 10 of the bolt is provided at its bottom with a longitudinal slot 13, and it has an opening 14 at its upper face of sufficient size 60 to permit the coiled spring to be readily inserted into and removed from the tubular portion of the bolt. The transverse pin or fastening device 12 passes through the bolt, and the top and bottom of the cylindrical 65 housing of the casing, and by removing the fastening device the bolt may be readily detached, and the spring exposed. By locating the spring within the bolt as shown, it is supported, and its durability is correspondingly 70 increased. The outer end of the bolt fits snugly in the socket 5, and the inner end of the bolt is provided with a head 15, to enable it to be readily retracted to release a trace.

It will be seen that the whiffletree hook is 75 exceedingly simple and inexpensive in its construction, that it is strong and durable, and that it may be readily applied to a whiffletree. It will also be apparent that it is capable of securely confining a trace, and of 80 preventing any accidental disengagement of the same.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or 85 sacrificing any of the advantages of this invention.

What I claim is—

A whiffletree hook, comprising a casing having a ferrule or cap to receive a whiffletree, 90 and provided at its front with a cylindrical housing and having a socket located adjacent to the housing and registering with the opening thereof, the housing and the socket being separated by a trace receiving opening or 95 space, a bolt arranged in the housing and engaging the socket and provided with a tubular inner portion and having a slot at one side, and an opening at the opposite side, a spiral spring located within the tubular portion of 100

the bolt and being of a size to pass through
the opening of the same, and a transverse pin
passing through the cylindrical housing and
through the opening and slot of the bolt and
5 having the inner end of the spring bearing
against it, substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
the presence of two witnesses.

HANS P. EGEDAL.

Witnesses:

G. E. TOKHEIM,

B. M. MANDSAGER.