(No Model.)

C. E. COE.

COMBINED WHIFFLETREE CLIP AND HOOK.

No. 589,122. Patented Aug. 31, 1897.

Fig. 1.

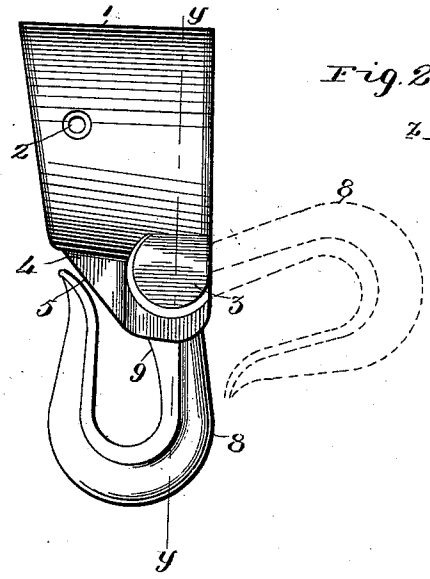


Fig. 2.

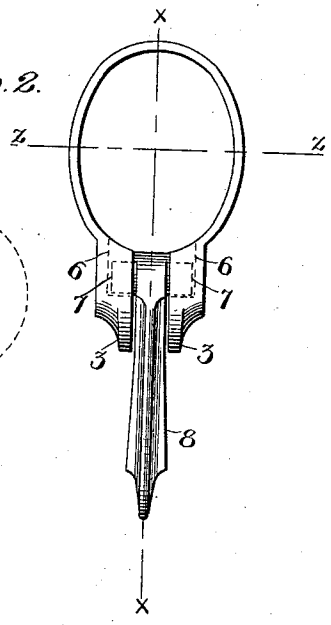


Fig. 3.

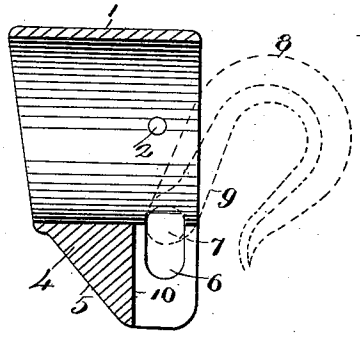


Fig. 4.

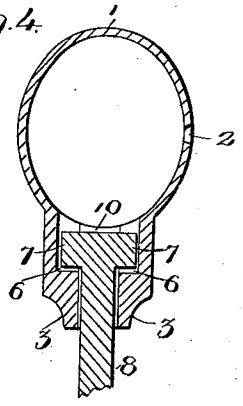
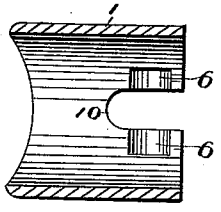


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES E. COE, OF ST. LOUIS, MISSOURI, ASSIGNOR TO C. H. SAWYER, OF SAME PLACE.

COMBINED WHIFFLETREE CLIP AND HOOK.

SPECIFICATION forming part of Letters Patent No. 589,122, dated August 31, 1897.

Application filed January 29, 1897. Serial No. 621,210. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. COE, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in a Combined Whiffletree Clip and Hook, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention has relation to improvements in combined whiffletree clips and hooks; and it consists in the novel arrangement and combination of parts more fully set forth in the specification, and pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my invention. Fig. 2 is an end view of the same. Fig. 3 is a vertical longitudinal section of the clip, taken on the line *x x* of Fig. 2. Fig. 4 is a vertical transverse section on the line *y y* of Fig. 1, and Fig. 5 is a plan section on the line *z z* of Fig. 2.

The object of my invention is to construct a combined whiffletree clip and hook which can be secured to the whiffletree without the use of rivets, screws, and like fastenings, the hook being locked to the clip after the latter has been passed over the whiffletree and secured to the same in a manner the details of which may be described as follows:

Referring to the drawings, 1 represents the clip or casting, generally passed over and secured to the whiffletree by means of screws or similar fastenings passed through suitable openings 2, formed in the walls of said clip. Depending from and in continuation of the periphery of the clip, on the narrow side of the same and along the front edge thereof, are two lugs 3 3, connected in the rear by a rib 4, having an inclined edge 5, which terminates near or at the opposite end of the narrow portion of the clip. Within each lug 3 and located opposite to one another is formed a pocket 6, of suitable depth and width, the walls of the pockets being practically U-shaped. (See Fig. 3.) These pockets serve to receive the pivotal lugs 7 7 of the hook 8, the shank of said hook gradually diverging or expanding from the end which carries the lugs to the base thereof. (See Fig. 2.) To better accommodate the inner curved edge 9 of the hook during the insertion of the hook into the pockets, the clip is hollowed out adjacent to the inner vertical walls of the pockets, so as to present a depression 10, running the full length of the lugs 3.

To insert the hook into the pockets of the clip, the former is held in the position indicated in dotted lines in Fig. 3, passing the pivotal lugs 7 into said pockets from above and letting the hook down until the lugs 7 rest on the bottom of the said pockets, so that when the hook is released it will fall or swing to the position indicated in full lines in Fig. 1. After the clip is passed and secured on the whiffletree there is no possibility for the hook to fall out, and the latter may even swing to the position indicated in dotted lines in Fig. 1—that is to say, parallel to the surface of the whiffletree—without any danger of its becoming disengaged from the clip.

It is thus seen that the present hook can be secured to the clip without the use of rivets or nails, and when occasion arises to remove the clip from the whiffletree the hook can be readily disengaged from the clip and reinserted as necessity demands. Of course it is obvious that the whiffletree keeps the hook in place within the clip after the clip is once passed over the whiffletree. The rib 4 keeps the traces from working off from the hook.

Having described my invention, what I claim is—

1. A combined whiffletree clip and hook comprising a suitable clip, lugs projecting from the periphery of the same, U-shaped pockets formed along the inner adjacent surfaces of the lugs, a suitable depression formed in the clip between the pockets and adjacent to the rear walls of the same, a hook having a suitable shank and outwardly-projecting pivotal lugs at the end of the hook-shank adapted to be inserted into the pockets and between the inner adjacent surfaces of the lugs, and a rib connecting the clip-lugs to the body portion and having an inclined edge coöperating with the end of the hook when the latter is in its closed position, substantially as set forth.

2. A combined whiffletree clip and hook comprising a suitable clip, lugs projecting from the periphery of the same, U-shaped

pockets formed along the inner adjacent surfaces of the lugs, a suitable depression formed in the clip between the pockets and adjacent to the rear walls of the same, a hook having a suitable shank expanding gradually from its free end to the base thereof, outwardly-projecting pivotal lugs at the end of the hook-shank, adapted to be inserted into the pockets of the clip, and a rib connecting the clip-lugs to the body portion of the clip, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES E. COE.

Witnesses:
EMIL STAREK,
B. B. MOSS.