

J. KNIGHT.
Whiffletree Hook.

No. 107,785.

Patented Sept. 27, 1870.

FIG. 1

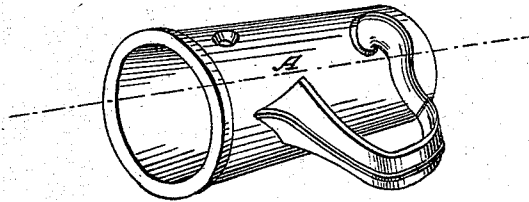


FIG. 2

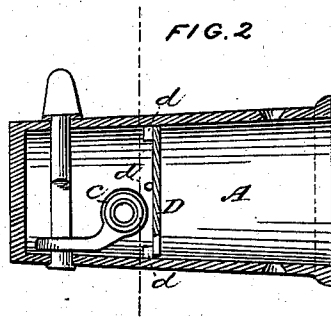
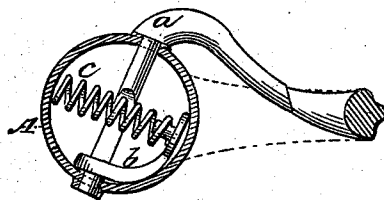


FIG. 3



WITNESSES:

A. Ruppert.
W. F. Clausen.

INVENTOR:

Judson Knight
per Edson Wood
Attorney

United States Patent Office.

JUDSON KNIGHT, OF NEWARK, NEW JERSEY.

Letters Patent No. 107,785, dated September 27, 1870.

IMPROVEMENT IN WHIFFLETREE HOOKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JUDSON KNIGHT, of Newark, in the county of Essex and State of New Jersey, have invented a new and improved Whiffletree Hook; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing.

Drawing.

Figure 1 is a perspective view.

Figure 2 is a longitudinal section, taken on the line $x x$ of fig. 1.

Figure 3 is a cross-section, taken on the line $y y$ of fig. 2.

The object of this invention is to produce a convenient and safe whiffletree hook, and which will be free from dirt and the effects of cold; and to this end,

My invention consists in arranging and inclosing within a whiffletree case or ferrule, a lever and spring, all of which will be hereinafter specifically designated and set forth in the following description.

In the accompanying drawing which forms a part of this specification—

A is a metal case or ferrule, inclosing my device, which goes upon the ends of the whiffletree, up to the metal plate D, which rests upon lugs d .

This plate D is designed to inclose the parts that operate the hook, so that they may be kept free from dirt, as also the action of the cold.

a is the clasp, which is made round without the case, and square within. To the square part of the clasp is secured a lever, b , to open, the end of which has a slight projection to fit within the end of the spiral spring C, which spring presses against the case in a transverse direction.

It is only necessary to depress the spring very slightly in order to relieve the clasp and remove the cock-eye.

I am aware that springs have been used to operate clasps upon whiffletree hooks, but they have not been made practical without incurring too great an expense to make them available.

My invention has been reduced to practice and found to work well, and to give entire satisfaction.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

The clasp a , when operated through the lever b , by means of the spiral spring C, said spring being arranged transversely within the case A, the whole being inclosed or not, by plate D, substantially as herein shown and described.

In testimony whereof I have signed my name here to this 12th day of July, 1870, in the presence of two attesting witnesses.

JUDSON KNIGHT.

Witnesses :

S. H. BALDWIN,
LANGDON H. GILMORE.