

(No Model.)

F. P. WHITE.
HAME HOOK.

No. 536,944.

Patented Apr. 2, 1895.

FIG. 1.

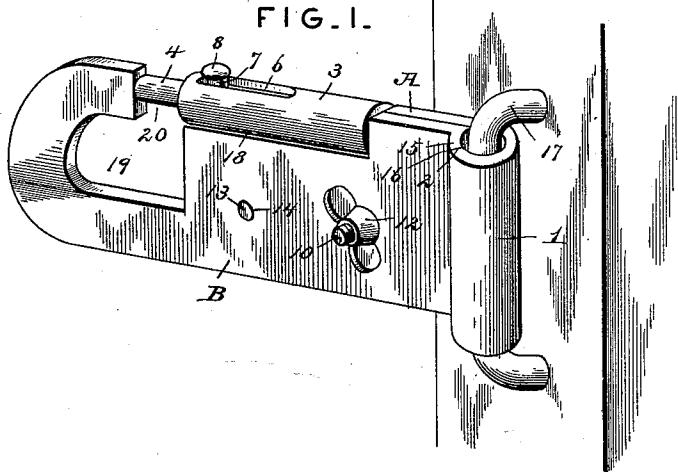


FIG. 2.

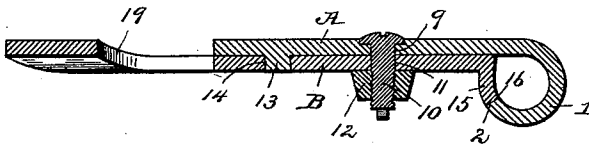


FIG. 3.

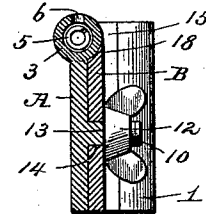


FIG. 4.

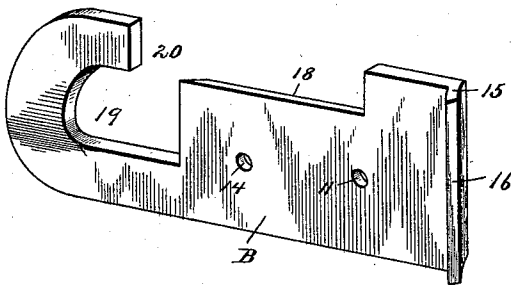
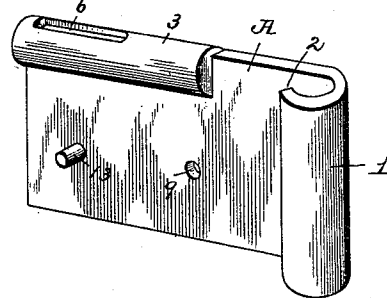


FIG. 5.



Inventor

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Witnesses

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FRANKLIN P. WHITE, OF SHALLOTTE, NORTH CAROLINA.

HAME-HOOK.

SPECIFICATION forming part of Letters Patent No. 536,944, dated April 2, 1895.

Application filed November 30, 1894. Serial No. 530,453. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN P. WHITE, a citizen of the United States, residing at Shal-
lotte, in the county of Brunswick and State of
North Carolina, have invented a new and use-
ful Hame-Hook, of which the following is a
specification.

This invention relates to an improvement
in that class of hame hooks which are pro-
vided at one end with a loop by which it may
be connected to the hames so as to be capable
of swinging horizontally, and at the remain-
ing end with a hook for connecting the trace-
chain, such hook being constructed so as to
be capable of closing completely, to the end
that the attachment of the trace-chain be as
complete and secure as possible.

The principal object which I contemplate
is the production of a device which will be
simpler and more durable than any hereto-
fore known, and one in which the contour will
not be broken by the hook portion.

To these ends the invention consists in cer-
tain novel features of construction which will
be fully described hereinafter, and finally em-
bodied in the claim.

In the drawings: Figure 1 represents a per-
spective view of a hame hook constructed af-
ter the manner of my invention, and showing
it in connection with the usual staple of the
hame; Fig. 2, a longitudinal section of the in-
vention; Fig. 3, a cross-section taken through
the casing of the spring-actuated bolt afore-
said; Fig. 4, a detail perspective of one of the
main plates composing my invention; Fig. 5,
a similar view of the remaining plate.

The reference letter A indicates one of the
plates composing my improved hame hook,
and B the remaining plate, both of which are
formed of metal, cast or wrought as may be
desired. The plate A has its inner end bent
upward, as shown at 1, so as to form substan-
tially a hook, the extremity of the plate be-
ing beveled or extended diagonally, as illus-
trated at 2. The purpose of this peculiar con-
struction will be made clear hereinafter.

Formed integral with the plate A, and at
the opposite end thereof, is the barrel 3, which
is disposed with one longitudinal half on one
side of the plate and the remaining longitudi-
nal half on the other side of the same. The
outer end of the barrel is open so as to pro-

mit the corresponding end of the bolt 4 to pro-
ject through it.

The major portion of the bolt 4 is located
within the barrel 3; and the bolt is given a
tendency outward by means of the expansive
spring 5, which is seated in the rear end of
the barrel and which continually engages the
corresponding end of the bolt.

Formed in the outer side of the barrel 3, and
extending longitudinally therewith, is the slot
6, which has no communication with the end
of the barrel, and which is provided to permit
the stud 7 to project through it. The stud 7
is formed integral with, or rigidly secured to,
the bolt 4, and has at its outer end an enlarge-
ment or head 8, by which it may be grasped
and manipulated.

It will be observed that the barrel 4 is lo-
cated inward from the edge of the plate A,
and that this structure retains the truly rect-
angular form of the plate and prevents out-
standing or offset portions which greatly de-
tract from the appearance of the device and
from its durability.

Formed in the plate A, and at about the
center thereof, is the opening 9, which is pro-
vided to permit the passage of the bolt or
screw 10, the same being provided for secur-
ing the plates together. The head of the bolt
or screw 10 is countersunk in the plate A,
while the body of the said bolt or screw pro-
jects through a matching opening 11, formed
in the plate B, a thumb-nut 12 being provided
by which the plates are held in place. This
nut bears directly against the plate B, as may
be seen by reference to the drawings.

The connection of the plates A and B is
made still more secure by forming integral
with, or rigidly securing to the former a stud
13, which projects perpendicularly therefrom
and through an opening 14 in the plate B, the
length of said stud being so gaged in relation
to the thickness of the plate B that its outer
end will lie flush with the outer surface of
said plate. By this means the plates are held
on each other so as to be absolutely incap-
able of any movement whatever independent
of each other.

The inner end of the plate B is formed with
an upstanding or offset portion 15, which is
bent slightly outward at its upper end, so as
to conform to the curve described by the bent

portion 1 of the plate A, the beveled edge 2 of said bent portion being arranged to lie snugly in contact with the similarly beveled edge 16 of the plate B. This construction
 5 makes a closed and perfectly rigid and effective loop or bearing passage, through which the staple 17, see Fig. 1, may pass, and by which the complete device is connected to the hames so as to be capable of swinging thereon
 10 and in a horizontal line.

Formed in the edge of the plate B, which edge is adjacent to the barrel 3, is the open portion or slot 18, which is provided to permit the adjacent longitudinal section of the
 15 barrel to pass through it, and so as to permit the plates A and B to lie snugly against each other.

Formed in the outer end of the plate B is a slot 19, which has at its inner end a counter-
 20 slot 20, which may be either a continuation of the slot 19, or a separate slot, as desired. It is essential, however, that the two communicate with each other and form, in effect, a continuous slot. This forms the outer end of
 25 the plate B into substantially a hook, the free end of which is engaged by the outer end of the bolt 4, and it is by this means that the hook is closed. It will be observed that the hook may be opened by moving the bolt 4
 30 rearwardly, all of which is easily understood.

The use of my invention does not differ from the use of other devices of its class, and will not, therefore, need any extended description. It will be sufficient for me to say that
 35 the device is to be secured to the hames through the medium of the staple 17, and so that the hooked portion will be free to swing thereon as the conditions of the operation may require. The trace-chains (not shown)
 40 are to be connected to the hooked portion through the medium of the slots 19 and 20,

and to be held in place by means of the bolt 4, all of which is understood from the prior art.

The point of the hook formed by the slots 19 and 20 is bent slightly inwardly so as to
 45 place it in the same longitudinal plane as the bolt 4, and so that said bolt may squarely engage the point when operating to close the slots 19 and 20.

Having described the invention, I claim— 50

A hame hook comprising in its construction two metallic plates A and B lying closely together, a bolt passing through the plates and by which they are secured in place, the inner
 55 end of the plate A being bent transversely and thence inwardly toward the main portion of the plate, while the corresponding end of the plate B is bent transversely to meet the bend in the plate A, the two forming an eye
 60 by which the hook may be mounted on the hames, a stud projecting perpendicularly from the plate A and rigid thereon and passing through an opening in the plate B, whereby the rigid connection of the two plates is in-
 65 sured, a barrel rigid on the plate A and located inward from the outer edge thereof, a spring-actuated bolt in said barrel and having a tendency outward, the plate B being longer than the plate A and projected out
 70 from the same, the said projected end of the plate B being slotted to form a hook proper against the point of which the outer end of the spring-actuated bolt aforesaid bears, substantially as described.

In testimony that I claim the foregoing as
 75 my own I have hereto affixed my signature in the presence of two witnesses.

FRANKLIN P. WHITE.

Witnesses:

JULIUS D. DAVIS,
 GEORGE D. WALKER.