

J. P. Clark,

Hammer,

No. 21,820,

Patented Oct. 19, 1858.

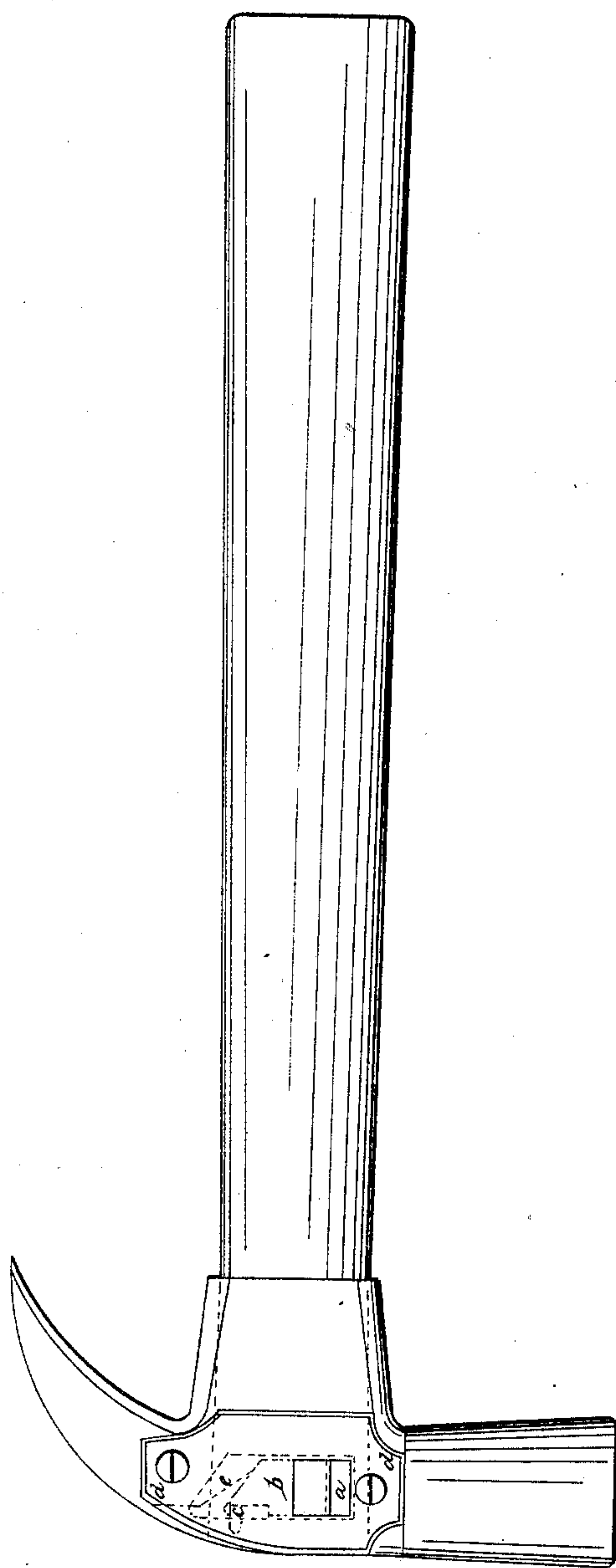


Fig. 5

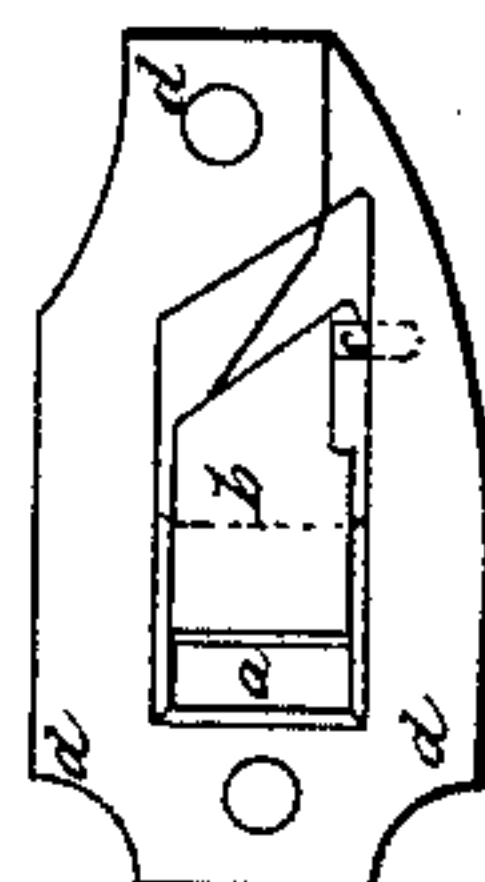


Fig. 1



Fig. 2



Fig. 3



Fig. 4

UNITED STATES PATENT OFFICE.

JOSIAH P. CLARK, OF PORTLAND, MAINE.

HAMMER.

Specification of Letters Patent No. 21,820, dated October 19, 1858.

To all whom it may concern:

Be it known that I, JOSIAH P. CLARK, of Portland, in the county of Cumberland and State of Maine, have invented a new and
5 useful Improvement in Hammers for Driving Nails; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this
10 specification, in which—

Figure 1 represents a view of the under side of the metallic plate *d, d, d,* with the opening
"a" for inserting and holding the head of the nail; the slide "*b*" which by the action
15 upon it of the spring *e* combined with the beveled edge of the slide holds the head of the nail firmly until, with one blow, the point of the nail is inserted in the wood or other material, and at the same time by the recoil
20 of the hammer the head of the nail is released and the nail left sticking in the place where it is to be driven, without requiring the use of the other hand of the carpenter or joiner to fix or hold the nail in place. Fig. 2
25 represents a longitudinal vertical section of the same; Fig. 3 represents the slide "*b*" and Fig. 4 a longitudinal vertical section of the same. Fig. 5 represents a carpenter's hammer, with my improvement attached to it.

30 Similar letters of reference indicate corresponding parts in all the figures.

My invention consists in the novel means employed for holding the nail to be driven, so that without being fixed or held by the
35 hand of the carpenter or other person in the place where it is to be driven, the nail is by one blow of the hammer, firmly fixed in the place where it is to be driven, by means of an apparatus attached to the side of the hammer constructed and arranged substantially
40 as herein set forth.

To enable any one skilled in the art to understand and construct my invention, I will proceed to describe it.

45 To the side of a carpenter's hammer I attach securely by screws, or other means, a metallic plate "*d, d, d,*" having on its external face an opening "*a*" of sufficient size to ad-

mit the introduction of the head of a nail. The slide "*b*" is so arranged by means of a
50 metallic spring "*e*", or a spiral spring, or other equivalent mechanical device, as upon the introduction of the head of the nail, to recede sufficiently to admit of its introduction into the aperture "*a*", and then by the
55 action of the spring upon the slide, the head of the nail is firmly held between the face of the slide and the edge of the metallic plate on the opposite side of the opening. It will
60 be seen by the sectional drawing (Fig. 4) of the slide, that the anterior edge of the slide forms an acute angle with its exterior face at "*f*". I also use the small pin "*c*" in connection with the groove in the slide to regulate the extent of the movement of the slide;
65 but the same thing can be accomplished by any of the other equivalent devices in common use for such purposes. It will thus be seen that by means of my invention, the carpenter, when he desires to drive a nail in
70 any position where he is obliged to reach above his head or where he needs the use of one of his hands to hold on with to keep himself from falling (as is frequently the case in nailing around and above the windows
75 and other openings in a house, and in many other positions) can first insert the nail in the aperture "*a*" and then with one blow of the hammer with the use of but one hand, fix the nail in its place, and by the recoil of
80 the hammer at the same time have the nail released from the hammer, and the hammer ready for use to drive the nail in the ordinary way.

What I claim as my invention and desire
85 to secure by Letters Patent is—

The combination with an ordinary hammer of the metallic plate "*d, d, d,*" with an opening "*a*" and slide "*b*" constructed and operating substantially as herein set forth
90 and described.

JOSIAH P. CLARK.

Witnesses:

G. F. SHEPLEY,
L. D. SHEPLEY.