No. 850,968. PATENTED APR. 23, 1907.

J. L. RILEY.

COMBINED BOX OPENER, NAIL PULLER, AND HAMMER.

APPLICATION FILED MAR. 12, 1906.

Fig. 1.

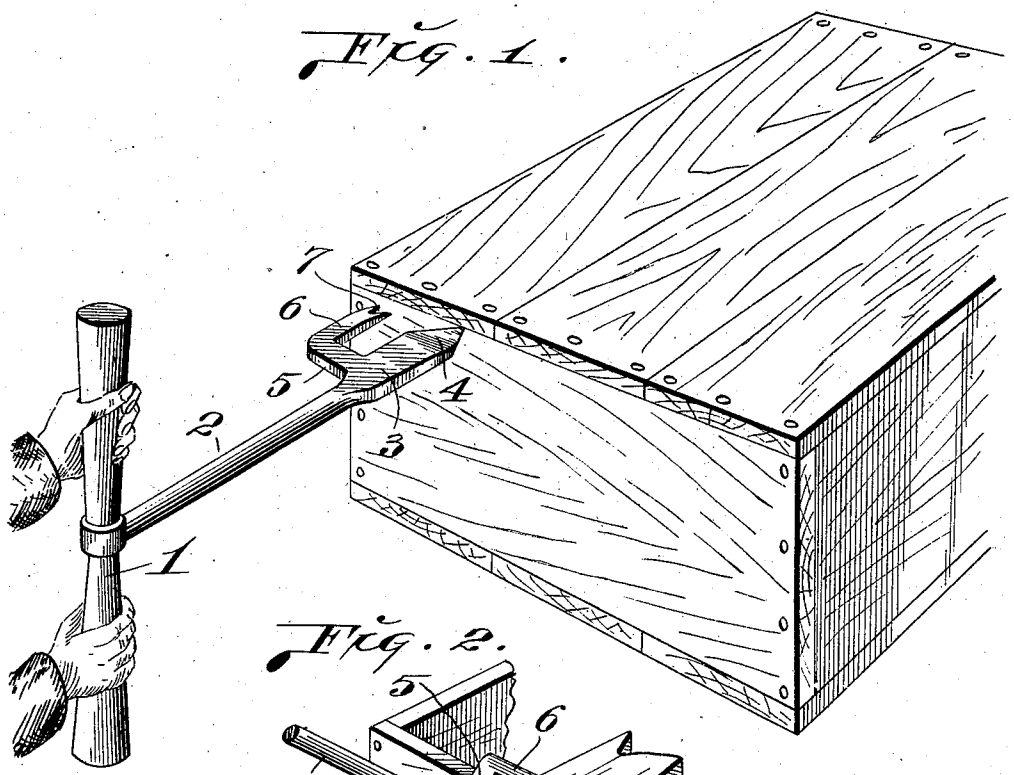


Fig. 2.

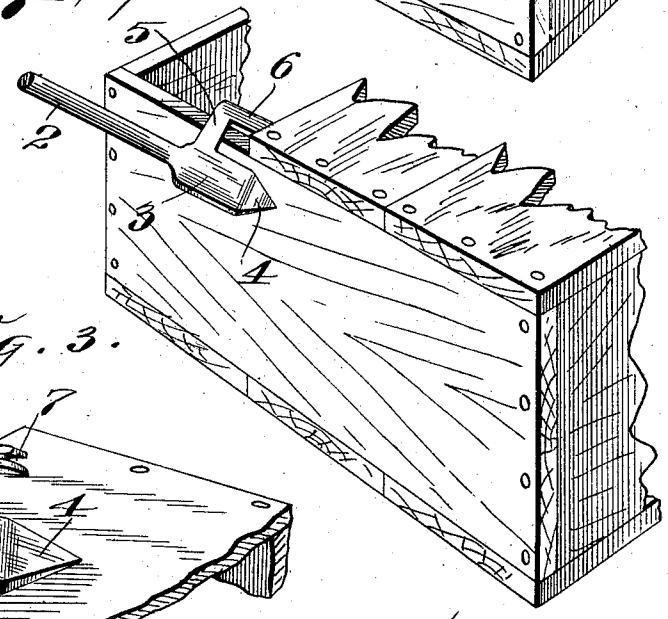
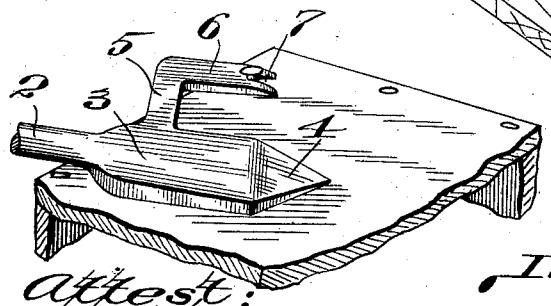


Fig. 3.



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JAMES L. RILEY, OF XENIA, ILLINOIS.

COMBINED BOX-OPENER, NAIL-PULLER, AND HAMMER.

No. 850,968. Specification of Letters Patent. Patented April 23, 1907.

Application filed March 12, 1906. Serial No. 305,700.

To all whom it may concern:

Be it known that I, JAMES L. RILEY, a citizen of the United States, and a resident of Xenia, Illinois, have invented certain new and useful Improvements in a Combined Box-Opener, Nail-Puller, and Hammer, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a combined box-opener, nail-puller, and hammer; and the object of my invention is to construct a simple tool in one price which may be advantageously used in opening boxes, removing the nails from the boards of which the boxes are constructed, and which device may be utilized for driving nails.

To the above purposes my invention consists of certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my combination-tool as the same appears in use as a box-opener. Fig. 2 is a perspective view illustrating the combination-tool in position for removing the boards from a box after the first board has been removed therefrom. Fig. 3 is a perspective view of the forward end of the tool in use as a nail-puller.

Referring by numerals to the accompanying drawings, 1 designates the handle of my improved tool, which is preferably in the form of a rod the ends of which are somewhat larger than the center. Formed on or fixed to the center of this handle is a shank 2, the forward end of which terminates in a flat plate 3, which occupies a plane at right angles to the plane occupied by the handle 1, and the forward end of this plate 3 is constructed in the form of a pointed wedge 4.

Formed on or fixed to the rear end of the plate 3 and projecting laterally therefrom is an arm 5, and integral with the outer end of this arm is a forwardly-projecting plate 6, which occupies the same plane and lies parallel with the plate 3 and the forward end of this plate 6 being wedge-shaped and bifurcated, as indicated by 7.

To use my improved combination-tool as a box-opener, the handle 1 is manually engaged and held in a vertical position, and the forward end of the pointed wedge 4 of the plate 3 is inserted beneath the edge of one of the boards forming the box that is to be opened. The tool is now swung backward and forward in a horizontal plane, and at the same time pressure is applied thereto, and this action forces the forward end of the plate beneath the edge of the board, and then by swinging the handle out of a vertical plane in either direction the plate is necessarily moved out of a horizontal plane with a prying movement, and as a result the end of the board is lifted from that portion of the box to which it was previously fixed. This operation is repeated beneath all the ends of the remaining boards, or, if desired, after the first board has been removed the forward end of the tool may be positioned on the top edge of the end board of the box, with the plate 3 on one side thereof and the plate 6 beneath the edge of the board to be removed, and then by bearing downwardly upon the rear end of the tool said board is readily pried upward and detached from position.

Nails are removed with my improved tool by inserting the bifurcated forward end of the plate 6 beneath the head of the nail and bearing downward or upward upon the handle 1, while the forward end of the plate 3 bears upon a portion of the board adjacent the nail that is being removed.

To use the tool as a hammer, the plates 3 and 6 are manually engaged, and the nail is struck with one end of the handle 1.

A combination-tool of my improved construction is simple, strong, and durable, combines a number of useful tools in a single implement, and can be very cheaply manufactured.

I claim—

The herein-described combination-tool, comprising the handle 1, shank 2 integral with and projecting at right angles from the center of said handle, the plate 3 integral with the opposite end of the shank, which plate occupies a plane at right angles to the plane occupied by the handle, and the forward end of which plate is pointed, the arm 5

integral with and projecting laterally from the rear end of one side of the plate, and a plate 6 integral with and projecting forwardly from the end of the arm and occupying the same horizontal plane with the first-mentioned plate; substantially as specified.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

JAMES L. RILEY.

Witnesses:
ROY E. FILSON,
DAVID HIGGASON.