No. 834,442. PATENTED OCT. 30, 1906.

A. SAINT C. AUNGST.

COMBINATION TOOL.

APPLICATION FILED MAR. 15, 1906.

Fig. 1.

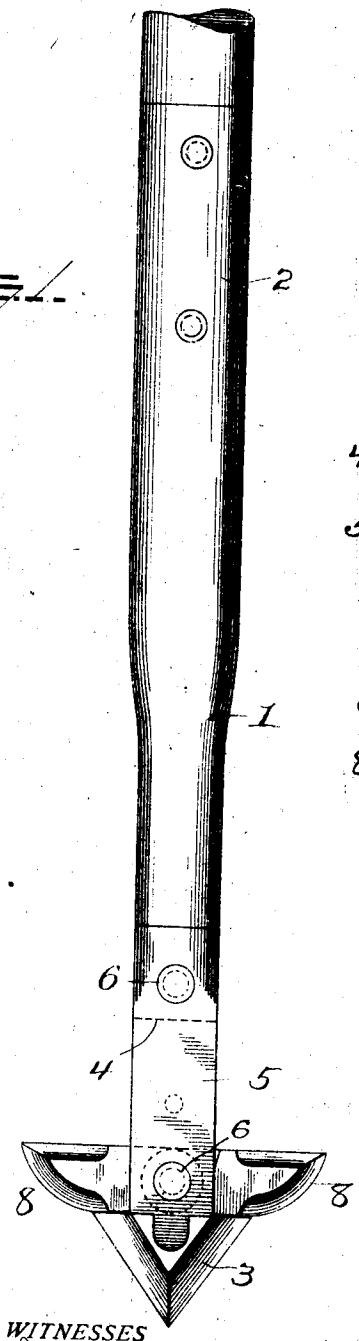


Fig. 3.

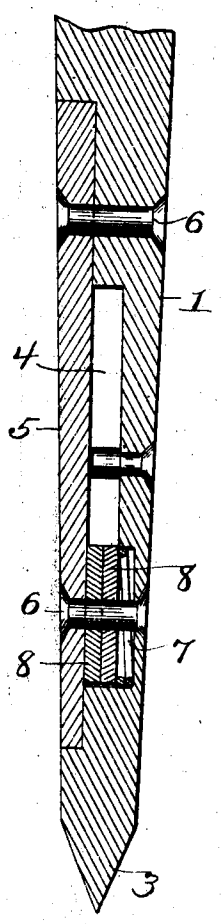
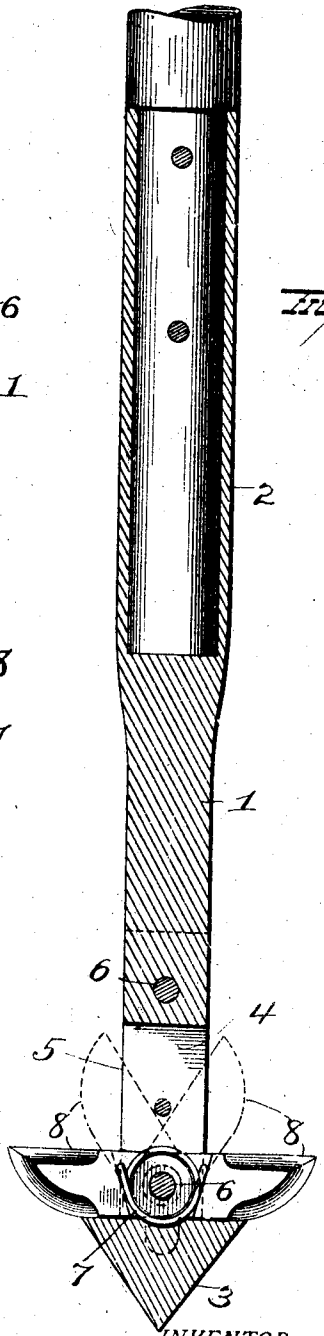


Fig. 2.



WITNESSES

E. Nottingham

G. F. Downing

INVENTOR

Arthur St. Clair Aungst

By H. A. Seymour

Attorney

UNITED STATES PATENT OFFICE.

ARTHUR SAINT CLAIR AUNGST, OF ALLIANCE, OHIO.

COMBINATION-TOOL.

No. 834,442. Specification of Letters Patent. Patented Oct. 30, 1906.

Application filed March 15, 1906. Serial No. 306,316.

To all whom it may concern:

Be it known that I, ARTHUR SAINT CLAIR AUNGST, a resident of Alliance, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Combination-Tools; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved combination-tool especially designed for use in fire-department service, the object of the invention being to provide improvements of this character which will be most effectual in tearing down plaster and lath partitions, metal ceilings, tin roofs, and other parts of a building to get at a fire in a concealed place and is also adapted for use as a plaster-hook, hay and straw fork, or for a great many other uses; and the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation, illustrating my improvements. Fig. 2 is a view in section. Fig. 3 is a sectional view taken at right angles to Fig. 2.

My improved tool 1 is provided at one end with a tubular shank 2, to be secured on a pole or handle of any length desired, and the other end of the tool is made in the form of an arrow-head 3, with sharp cutting edges. Back of the arrow-head point 3 the tool is provided with a longitudinal slot 4, one side of which is formed by a removable plate 5, secured in place by rivets 6. In the slot, just back of the arrow-head 3, outwardly-projecting overlapping knives or prongs 8 are located and pivoted upon one of the rivets 6. A spring 7 normally holds the knives extended and at right angles to the body of the tool. These knives or prongs are preferably of the shape shown, with sharp cutting edges, and when the tool is forced into a partition they will be forced back into the slot and permit the tool to be readily guided by the sharp arrow-head 3 and made to enter a partition without difficulty. When the end of the tool has penetrated the partition, the knives or prongs will spring out at right angles and afford a good purchase to pull out the partition or cut therethrough, and unnecessary damage is avoided. The tool is also well adapted for cutting out sections of a tin roof or metal ceiling or other part of a building to get access to a fire and can be put to a great variety of uses, and I do not restrict myself to any particular use.

Slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device of the character described, the combination of a fixed sharpened bar, and knives having rear sharpened edges, pivoted in rear of the sharpened end of the bar and projecting out at an angle thereto.

2. A tool having a sharpened end, knives having rear sharpened edges, pivoted to the bar and projecting laterally therefrom, and a spring holding said knives normally distended.

3. A tool having a sharpened arrow-head at one end and having a slot in rear of said arrow-head, knives pivotally mounted in said slot and having sharpened rear edges, and a spring exerting outward pressure on the knives to hold them normally distended.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ARTHUR SAINT CLAIR AUNGST.

Witnesses:
DALE E. DUTTON,
I. F. HANCOCK.