Dec. 9, 1930. W. OSTERBY 1,784,535

FIREMAN'S HOSE SPANNER AND SCALING HOOK

Filed Jan. 11, 1929

Fig. 1.

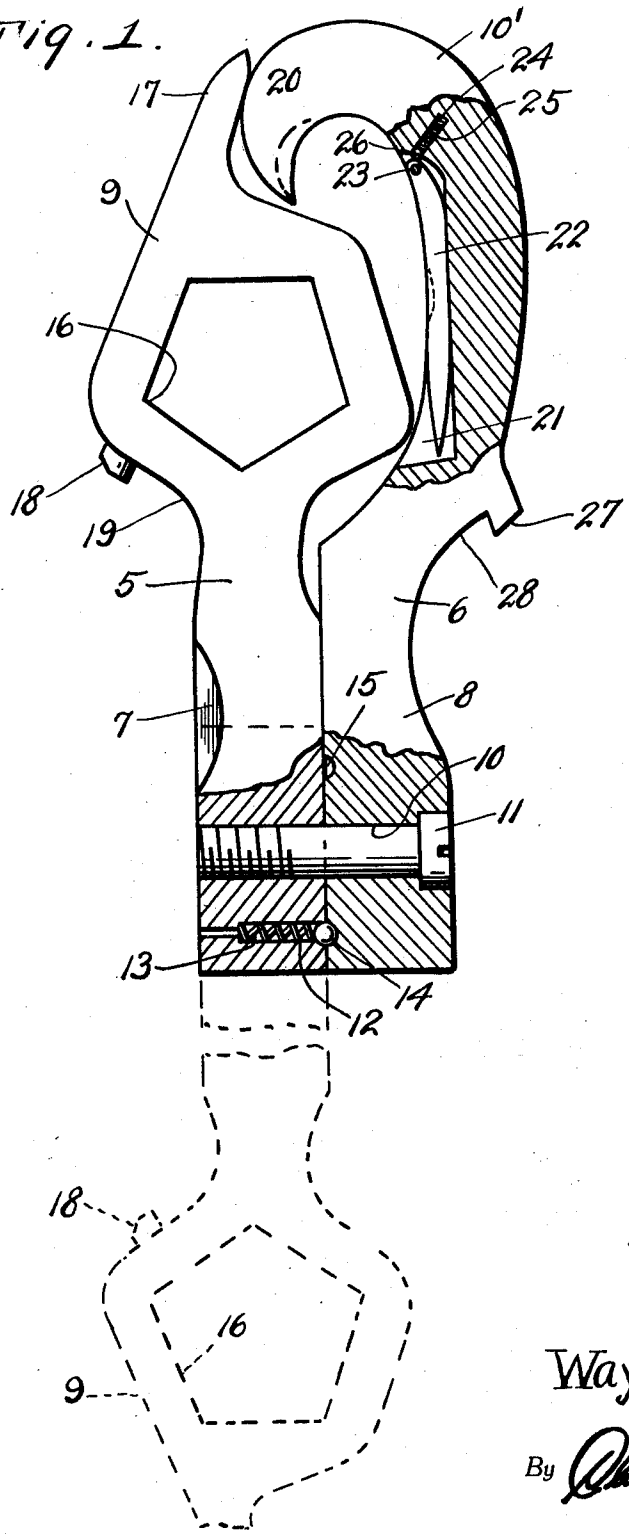
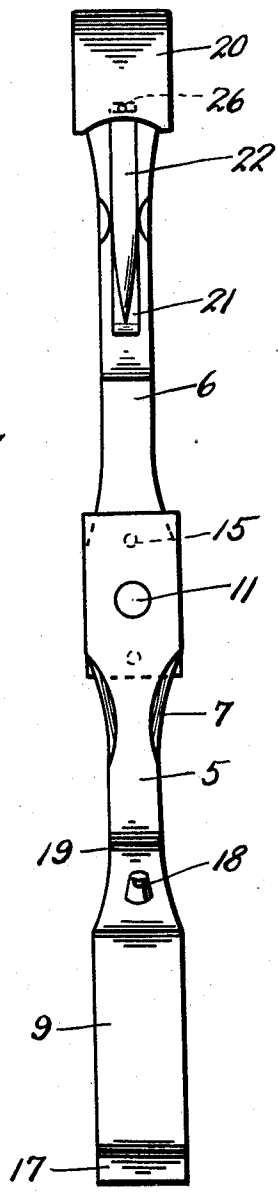



Fig. 2.




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## FIREMAN'S HOSE SPANNER AND SCALING HOOK

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The present invention relates to a combined tool for use by firemen and has for its principal object to embody a hydrant and hose spanner adapted for use in securing sections of the hose to the hydrant and to each other and also to include a scaling hook as a part of the tool of a character generally employed by firemen in scaling walls, roofs and the like.

Another object of the invention is to provide a tool of this character adapted for folding into a substantially compact form.

Other objects and advantages reside in the special construction, combination and arrangement of the various elements forming the invention as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevation of the tool in folded position and with parts broken away and in section, and

Figure 2 is an edge elevational view showing the sections of the tool unfolded.

Referring to the drawing in detail, for the purpose of illustration I have disclosed a preferred embodiment of the invention which comprises a pair of tool sections indicated at 5 and 6 respectively and each embodying shank ends 7 and 8 respectively and tool ends 9 and 10′ respectively.

Each of the shank ends of the tool sections are provided with bores 10 through which to receive a pivot pin 11 for connecting the sections of the tool for swinging movement in a parallel plane. By reason of this pivotal connection of the ends of the tool sections it will be apparent that the same may be moved into a folded position as shown by the full lines in Figure 1 of the drawings with the sections of the tool disposed parallel with each other, or may be moved into longitudinally extended position as shown by the dotted lines in Figure 1.

The opposed edge of the shank 7 is formed with a recess 12 having an expansion coil spring 13 fitted therein for yieldably urging a ball 14 outwardly against the opposed face of the shank section 8. The opposed edge of the shank 8 is formed with shallow recesses 15 at diametrically opposite sides of the pin 11 within which the ball 14 may be seated for securing the sections in either their folded or unfolded position.

The tool end 9 of the section 5 is formed with a non-circular opening 16, of predetermined polygonal formation for engaging the control nut of a conventional type of fire hydrant whereby to open or close the valve controlling the flow of the hydrant.

The outer end of the tool head 9 is constructed to form a jimmy 17, for use in a manner well known in the art.

A spanner lug 18 is formed at one shoulder of the wrench head 9 and disposed at one end of an arcuate section 19 formed in the edge of the tool section, said lug and said arcuate section being adapted to fit respectively in the recesses and about a fire hose coupling for turning the coupling during its attachment or removal from the hydrant.

The tool head 10′, of the other tool section, is formed with a hooked end 20 extended in a direction toward the opposite tool section, and adapted, when in folded position, to nest within the angle formed in the wrench head 9 by the jimmy 17 and the shoulder of the wrench head at one side thereof.

The inner edge of the hook 20 is formed with a recess 21 adapted for receiving a spike 22 having one end pivotally attached within the recess by a pin 23 and adapted to have its free end swung outwardly to bear against the pointed end of the hook when the sections of the tool are unfolded.

The free end of the spike 22 is adapted to protrude laterally beyond the hook 20 so that the spike may be driven into an object to enable the fireman to pull himself upwardly for scaling a wall or roof. A recess 24 is formed in the tool head 10′, adjacent the pivoted end of the spike 22, within which recess is fitted an expansion coil spring 25 and also having a ball 26 seated at the outer end of the recess and urged outwardly by the spring against the end of the spike for yieldably securing the same in folded position within the recess 21.

The outer edge of the tool section 6 is also formed with a spanner lug 27 positioned at one end of an arcuate section 28 formed in the edge of the tool section to also provide a hose coupling operating spanner. The spanner lugs 18 and 27 may be suitably constructed for insertion in different types of recesses formed in hose couplings of various style.

The tool is constructed of suitable size, so that when arranged in its folded position, the same may be conveniently carried about the person of the fireman.

It is obvious that my invention is susceptible to various changes and modifications in construction without departing from the spirit of the invention or the scope of the appended claims, and I accordingly claim all such forms of the device to which I am entitled.

Having thus described my invention, what I claim as new is:

1. A tool of the character described comprising a pair of foldable tool sections pivotally connected at one end to each other, a scaling hook formed at the free end of one of said sections, a head at the free end of the other section, a projection extending outwardly from the head constituting a jimmy, one edge of said head and said projection cooperating to form a guard for the hook and adapted to accommodate the same when the sections are disposed in folded position.

2. A tool of the character described comprising a pair of foldable tool sections pivotally connected at one end to each other and adapted for swinging movement in parallel planes, a scaling hook at the free end of one of the sections, said one section having a recess formed in one edge thereof adjacent its hooked end, a scaling spike pivotally mounted on said one section and adapted for swinging movement into and out of the recess and engageable with the free end of the hook when in extended position in a manner to be braced thereby.

In testimony whereof I affix my signature.

WAYNE OSTERBY.