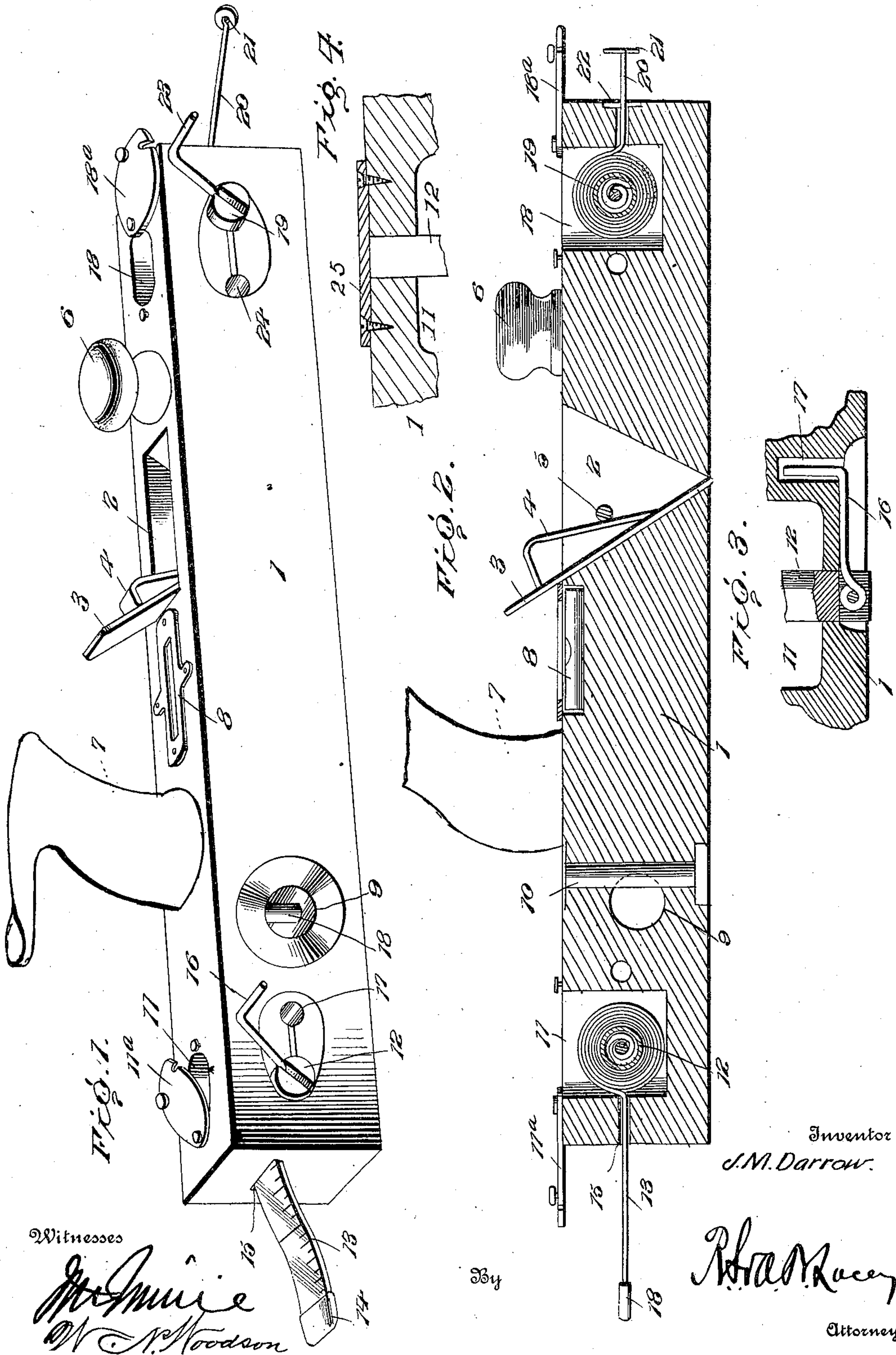


No. 862,139.

PATENTED AUG. 6, 1907.

J. M. DARROW.
COMBINATION TOOL FOR CARPENTERS' USE.
APPLICATION FILED MAR. 23, 1907.



UNITED STATES PATENT OFFICE.

JAY M. DARROW, OF ASHERVILLE, KANSAS.

COMBINATION-TOOL FOR CARPENTERS' USE.

No. 862,139.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed March 23, 1907. Serial No. 364,076.

To all whom it may concern:

Be it known that I, JAY M. DARROW, a citizen of the United States, residing at Asherville, in the county of Mitchell and State of Kansas, have invented certain new and useful Improvements in Combination-Tools for Carpenters' Use, of which the following is a specification.

This invention contemplates certain new and useful improvements in combination tools for carpenters' use, and the invention has for its object an improved construction of tool which embodies in one stock, a plurality of implements or adjuncts, so that the carpenter or other workman may have such devices in a convenient form and at all times ready for use in the one instrument.

With this and other objects in view as will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of the parts as I shall now hereinafter fully describe and claim.

For a full understanding of the invention, and the merits thereof, and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings.

Figure 1 is a perspective view of my improved combination tool for carpenters. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a detail fragmentary view of one of the spring rollers and its pivoted crank. Fig. 4 is a detail fragmentary view showing the portion of the stock and the end of a spring roller opposite to the end illustrated in Fig. 3.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings, the numeral 1 designates the stock of the tool which is provided near one end with a slot 2 to receive the blade 3, which, with the stock, constitutes a plane. The said plane is provided with a chock plate 4 adapted to wedge down against the blade 3 and behind the transverse rod 5, so as to hold said blade in different adjustments according to the cut desired. The stock is formed with a knob 6 and a hand rest 7, for the operator's hand in manipulating the tool as a plane.

The spirit level 8 is mounted at the middle of the stock, as shown, so that the device may be used as a horizontal level, and near one end the stock is formed with a transverse opening 9, in which the spirit tube 10 is held at right angles to the spirit tube 8, so that the device may be used as an upright as well as a horizontal level.

At one end the stock 1 is formed with a cavity 11, in which a spring roller 12 is mounted, and a tape 13 winds around the roller and is provided with a finger piece 14 which projects out of an end opening 15, communicating with the cavity 11. The shaft of the roller 12 is

provided with a pivoted crank 16, having a hooked end adapted to be entered into a side socket 17 in the stock, so as to lock the roller when the tape line has been drawn out to the proper length. In order to retract the line, it is only necessary to release the crank from its socket, and the spring will do the rest. The cavity 11 is preferably provided with a hinged cover 11^a, adapted to swing over into engagement with a keeper on the stock, so as to close the cavity. The opposite end of the stock 1 is provided with a similar cavity 18, in which there is a spring roller 19, with a chalk line 20 winding about it. A button 21 is attached to one end of said line, the latter passing outwardly through an opening 22 in that end of the stock, and the shaft of said roller is provided with a pivoted crank 23 having a hooked end adapted to enter a socket 24 so as to hold this roller against retraction by its spring. This cavity 18 is also preferably covered by means of a swinging closure 18^a, similar to the closure 11^a.

From the foregoing description in connection with the accompanying drawings, it will be seen that I have provided a very comprehensive tool that may be used by carpenters and the like in diversified ways, and which embodies in the one instrument a number of tools or devices which will be useful in carpentry. Preferably the cavities 11 and 18 extend outwardly through one side of the stock, and are covered by plates 25, so that the spring rollers may thus be entered in their places.

Having thus described the invention, what is claimed as new is:

1. A tool comprising a stock substantially as described, provided with a cavity and an end opening communicating therewith, said cavity opening outwardly through the side of the stock and also opening upwardly through the top of the stock, a plate covering said side opening of the cavity, a spring retracted roller mounted in said cavity, a swinging cover mounted on the stock and adapted to close the upper end of the cavity, a flexible measuring device winding around said roller and extending outwardly through the end opening and provided with a finger piece, and a pivoted crank mounted on the shaft of the roller and provided at its extremity with a hook, and the stock being formed with a side socket in which the hook is adapted to be swung.

2. A tool, comprising a stock substantially as described, said stock being formed with a cavity in one end and an end opening communicating therewith, a spring retracted roller mounted in the said cavity, a flexible measuring device winding around said roller and extending outwardly through the end opening and provided with a finger piece, and a pivoted crank mounted on the shaft of the roller and provided at its extremity with a hook, the stock being formed with a side socket in which the hook is adapted to be swung.

In testimony whereof I affix my signature in presence of two witnesses.

JAY M. DARROW. [L. S.]

Witnesses:

E. W. REES,
MARY SHANKS.