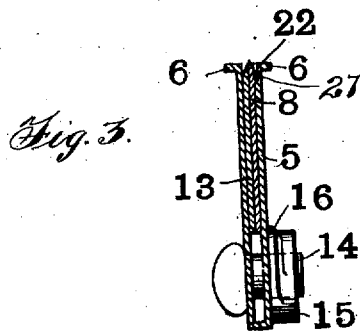
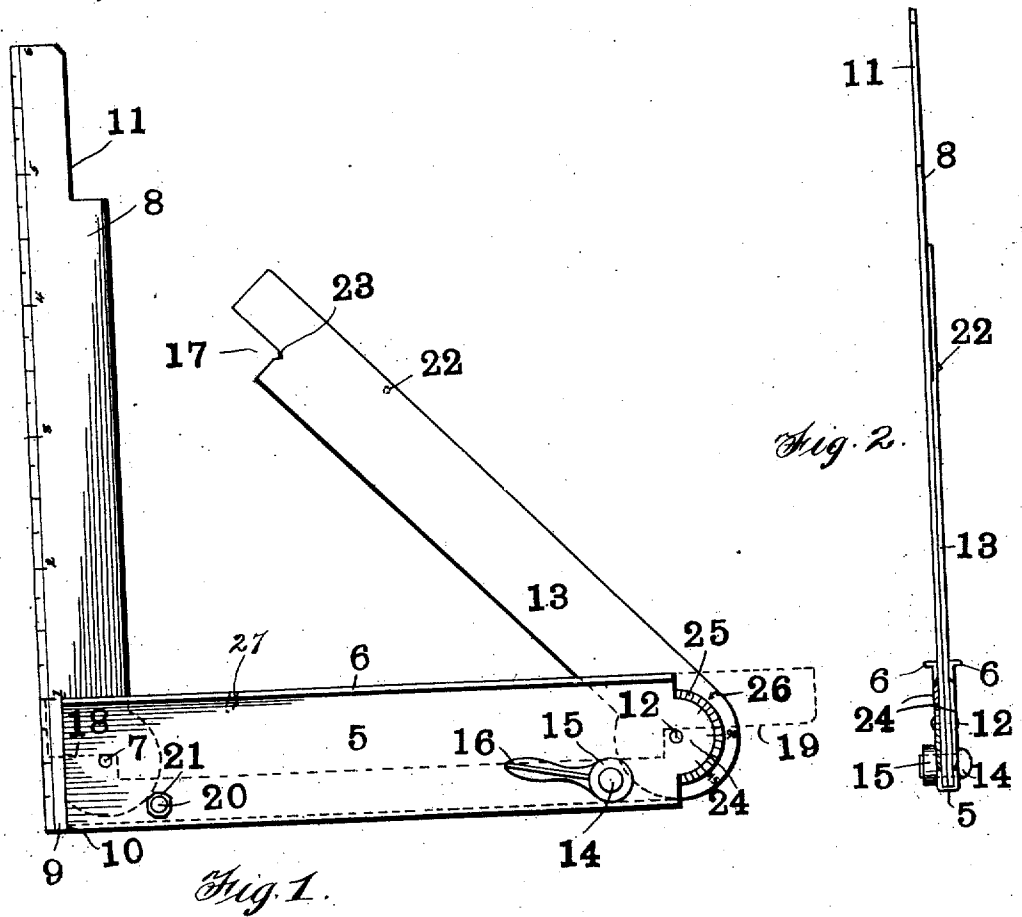


B. C. DILLON.
COMBINATION TOOL.
APPLICATION FILED SEPT. 27, 1909.

Patented Mar. 21, 1911.

987,120.



Witnesses
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BERNARD C. DILLON, OF NEW HAVEN, CONNECTICUT.

COMBINATION-TOOL.

987,120.

Specification of Letters Patent.

Patented Mar. 21, 1911.

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To all whom it may concern:

Be it known that I, BERNARD C. DILLON, a citizen of the United States of America, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Combination-Tools, of which the following is a specification.

This invention relates to combination tools and more particularly to a combination square, and scratch and pencil gage, the object of the invention being to provide a tool for performing the functions of all of these devices with one and the same structure.

Further objects and advantages of the invention will be set forth in the detailed description which now follows.

In the accompanying drawing Figure 1 is a side elevation of a tool constructed in accordance with the invention, Fig. 2 is an end elevation thereof looking toward the left in Fig. 1, and, Fig. 3 is an enlarged section upon line 3—3 of Fig. 1 but with the blades in their closed position.

Like numerals designate corresponding parts in all of the figures of the drawing.

Referring to the drawing, the numeral 5 designates the handle of the tool. It will be seen by referring to the drawing that this handle is U-shaped in cross section, and I contemplate stamping it from sheet steel or any other metal. The edges of this handle are flanged at 6 to give the requisite bearing surface against the edge of a board or other object. Pivotally mounted at 7 and within the handle 5 is a square blade 8, the portion 9 of which abuts against the end 10 of the handle 5 when the square blade 8 is open, to thereby act as a stop for the square blade when said square blade projects directly at right angles to the handle 5. The outer end of the square blade is cut away at 11 so that it will clear the pivot 12 of an angle blade 13, this angle blade being pivotally mounted within the handle upon said pivot 12. A screw 14 projects through the handle 5 and a nut 15 having a handle extension 16 is threaded upon said nut, these parts serving as a binding member to clamp the angle blade 13 in any desired adjusted position. The outer end of the angle blade is cut away at 17 to clear the pivot 7 when said blade is folded down inside of the handle as indicated by dotted lines at 18 in Fig. 1. In like manner, the folded position

of the square blade 8 is indicated by dotted lines at 19 in Fig. 1. If desired, a second binding member, comprising a screw 20 and a nut 21, may be employed to positively bind the square blade 8 in position. A scratch point 22 is carried by the blade 13 and this blade is notched at 23 for the reception of a pencil point, if it be desired to employ a pencil instead of the scratch point for marking a line. A semicircular end extension 24 of the handle has a beveled and graduated edge 25 with which a pointer 26 of the blade 13 coacts to indicate the degree of angularity of the blade with relation to the handle 5. With the parts in the position illustrated in Fig. 1, it is to be noted that the pointer 26 indicates that the blade 13 lies at an angle of 45° to the handle 5.

From the foregoing description, it is apparent that this tool will not only serve as a square by the use of the blade 8, but also serves as a protractor through the medium of the scale 25, pointer 26 and blade 13, and also serves as a pencil gage when a pencil is placed in the notch 23 and the handle 5 is drawn along the edge of a board, it being apparent that the point of the pencil will inscribe a line parallel with the edge of the board. The same thing is true of the scratch point, this scratch point serving to inscribe a light line. The handle 5 is provided with an arcuate recess 27 which serves to receive the point 22 when the blade 13 is in its folded position.

From the foregoing description, it will be seen that simple and efficient means are herein provided for accomplishing the objects of the invention, but while the elements shown and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but includes within its purview such changes as may be made within the scope of the appended claim.

Having described my invention, what I claim is:

In a tool of the character described, the combination with a handle comprising a pair of side members having oppositely extending longitudinal flanges, said side members being spaced from each other of a square-blade adapted to fold down inside of said handle, said square-blade being pivoted within said handle at one end thereof, and being continued beyond its pivotal point

to form a tail portion which prevents opening movement of said square-blade beyond a position at right angles to said handle, a second blade pivotally mounted within the handle at the opposite end thereof, a degree scale carried by the handle, a pointer upon said second blade, a binding member passing through said handle and adapted to bind said second blade in any of its adjusted positions, said second blade having a pencil receiving notch formed in a cut-away por-

tion of one end thereof, and a sharp scratch point carried by said second blade, one of the side members of the handle being cut out to receive the scratch point when said blade is in its closed position.

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

BERNARD C. DILLON.

Witnesses:

WILLIAM J. ROSS.

FRED JACKSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
