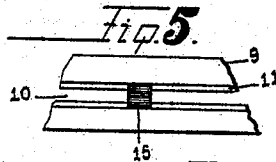
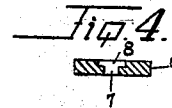
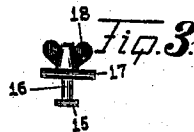
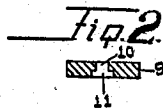
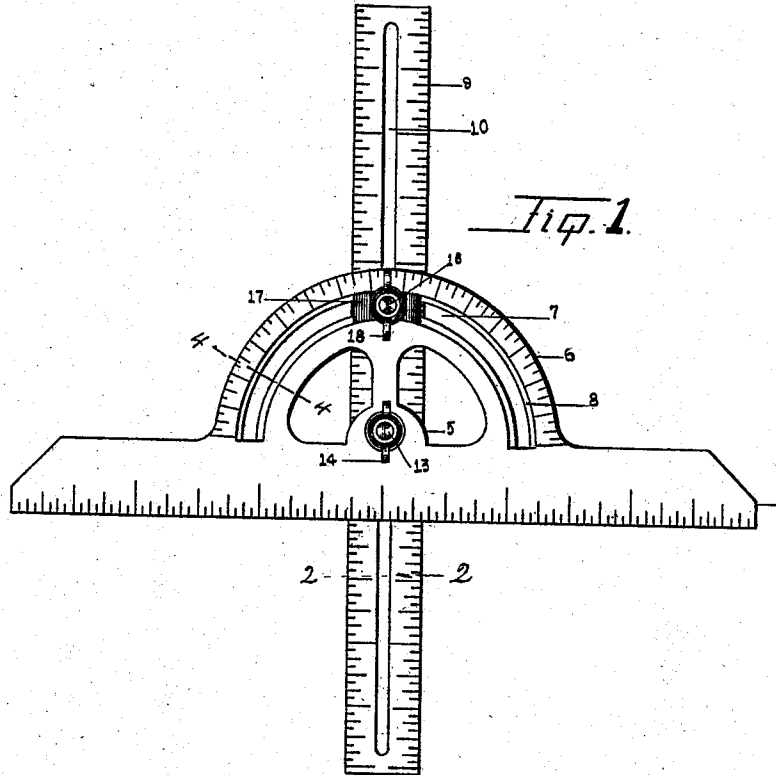


N. TOWNSEND.
COMBINATION TOOL.
APPLICATION FILED JAN. 3, 1908.

905,249.

Patented Dec. 1, 1908.



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UNITED STATES PATENT OFFICE.

NATHAN TOWNSEND, OF LODI, CALIFORNIA.

COMBINATION-TOOL.

No. 905,249.

Specification of Letters Patent.

Patented Dec. 1, 1908.

Application filed January 3, 1908. Serial No. 409,124.

To all whom it may concern:

Be it known that I, NATHAN TOWNSEND, a citizen of the United States, residing at Lodi, in the county of San Joaquin, State of California, have invented certain new and useful Improvements in Combination-Tools; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in tools and particularly in carpenters' tools, the object being to produce a combination T square and bevel square whereby the functions of both may be performed by one tool; also to produce a simple and inexpensive tool for the purpose which will be easily handled and carried and packed in the carpenter's kit. These objects I accomplish by means of a rule member having a semi-circular member provided with a slot slidably connected with another rule member in such manner as to permit the same to be adjusted at any angle to the said first rule member; also by such other and further construction as will appear by a perusal of the following specification and claim.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a top plan view of the complete tool. Fig. 2 is a sectional view taken on a line 2—2 of Fig. 1. Fig. 3 is a side elevation of a thumb nut adjustment mechanism. Fig. 4 is a sectional view taken on a line 4—4 of Fig. 1. Fig. 5 is a bottom plan view of a fragmentary portion of a rule member. Fig. 6 is an end elevation of the complete tool partly broken out.

Referring more particularly to the characters of reference on the drawings 1 designates a rule member having a duplicate member 2 spaced apart therefrom by means of blocks 3 and forming a slot 4 therebetween.

Formed on the member 1, at the center thereof, is a small semi-circular disk 5 and a larger semicircular rule member 6 pro-

vided with a slot 7 opening into a larger guide slot 8.

9 is a rule member provided with a slot 10 opening into a larger guide slot 11.

12 is a button slidably disposed in the slot 11 and having a shank 13 extending upward through the slot 10 and the member 5 and provided with a thumb nut 14 on its upper end. 15 is likewise a button slidably disposed in the slot 11 and having a shank 16 extending upward through the slots 7 and 8 and provided with a button 17 slidably disposed in the slot 8 and with a thumb nut 18 at its upper end.

In practice the member 9 may be turned in any direction desired by means of the axis 13, the sliding mechanism described permitting such movement. The slot 10 and its corresponding mechanism permit of lateral movement of the member 9 which of course is likewise exceedingly advantageous.

The shank 13 extending through the member 5 brings the axis of the member 9 off the line of the member 1, thus permitting the member 9 to be folded parallel to the said member 1, thereby making the tool compact for handling and packing.

By means of the adjustment permitted by the construction described it will be seen that the tool may readily be used for both a T square or bevel square and also for many other purposes useful to the trade.

The member 2 permits of the same being used for the same purpose as is the member 1, thus rendering the tool more handy and complete.

The members 1—2, 6 and 9 may be either suitably ruled, degreed or otherwise marked according to the desires of the manufacturer or user.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from said detail may be resorted to as do not form a departure from the spirit of the invention.

Having thus described my invention what I claim as new and useful and desire to secure by Letters Patent is:—

A tool comprising a rule member, a disk formed thereon, a larger semi-circular rule member formed on said rule member and

provided with a concentric slot opening into
a larger slot, another rule member provided
with a slot opening into a larger slot, a pivot
member having a button normally disposed
5 in said larger slot of said last named rule
member and extending through said smaller
slot and said disk, and a similar pivot mem-
ber disposed in said last named rule member
and extending through the slots in said semi-

circular member and provided with a button 10
normally disposed in the larger slot in said
semi-circular member, as set forth.

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

NATHAN TOWNSEND.

Witnesses:

PERCY S. WEBSTER,
JOSHUA B. WEBSTER.