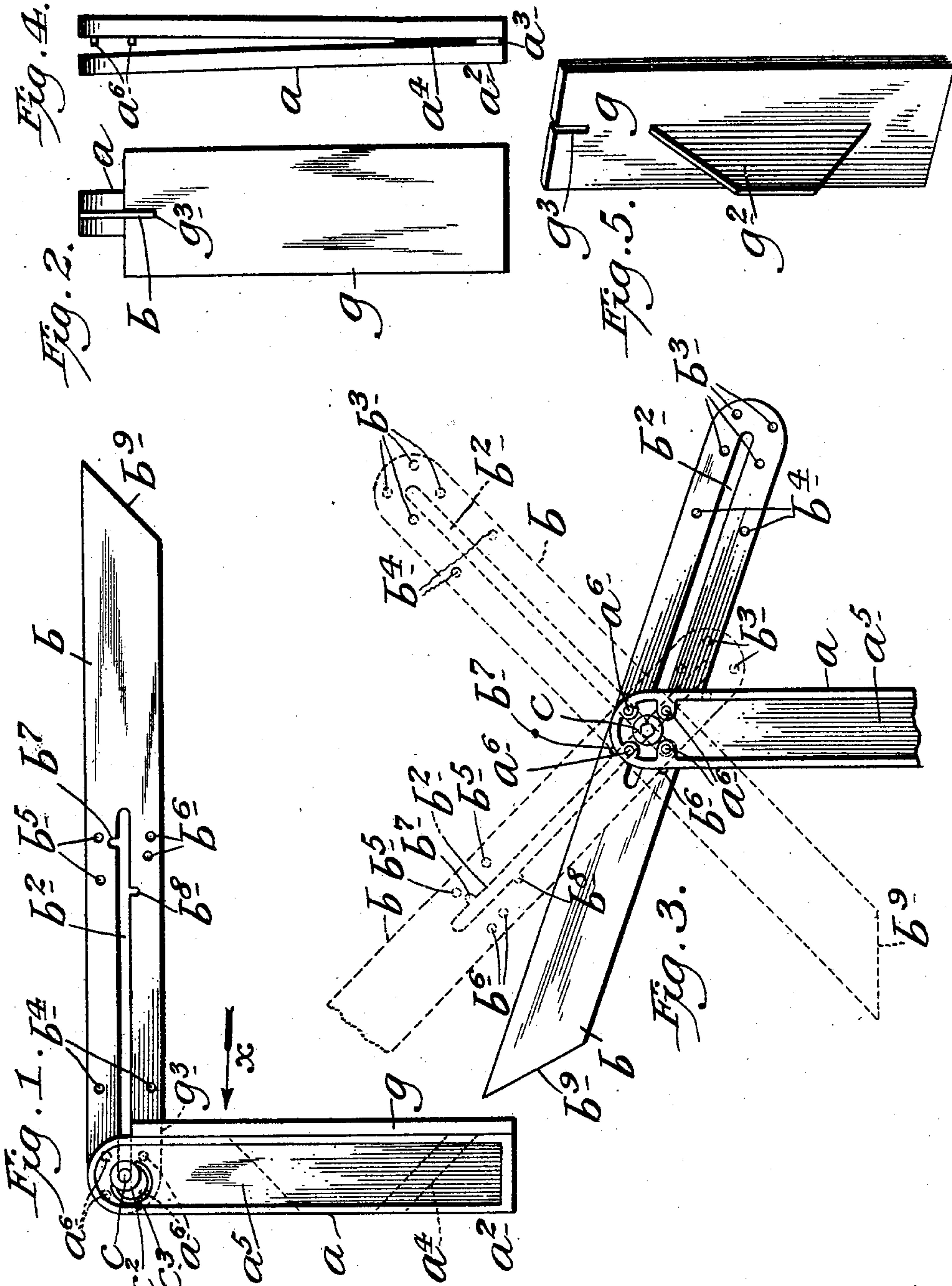


No. 897,867.

PATENTED SEPT. 8, 1908.

A. BARTELS.
CARPENTER'S COMBINATION TOOL.
APPLICATION FILED MAR. 11, 1908.



WITNESSES
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CARPENTER'S COMBINATION-TOOL.

No. 897,867.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed March 11, 1908. Serial No. 420,294.

To all whom it may concern:

Be it known that I, ANTON BARTELS, a citizen of the United States, and residing at Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Carpenters' Combination-Tools, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to combination tools for carpenters, and the object thereof is to provide an improved device of this class adapted for use as an ordinary square, miter gage, and various other purposes; and with this and other objects in view the invention consists of a device of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a plan view of my improved carpenter's tool, Fig. 2 a view at right angles to Fig. 1 and looking in the direction of the arrow x , Fig. 3 a back view of the device as shown in Fig. 1, and showing the parts in a different position and indicating the same in other positions in dotted lines, Fig. 4 a side view of the handle part of the device only, and;—Fig. 5 a perspective view of an independent attachment which I employ in certain cases.

In the practice of my invention, I provide a tool of the class specified comprising a handle member a and arm b . The handle member a is composed of two parts of spring metal rigidly connected at the end a^2 and between the said parts at said end is a plate or web member a^3 , the inner end of which is cut off at an angle preferably of about 45 degrees, as indicated at a^4 in Figs. 1 and 4.

The separate parts of the handle are preferably provided in their outer sides with deep longitudinal recesses or grooves a^5 , and one of said parts is provided at its free end with a plurality of inwardly directed pins a^6 which are preferably four in number and arranged in the form of a square. The arm b is provided with a longitudinal slot b^2 in one end portion thereof and which extends approximately half the length thereof, and at the outer end of said arm are four holes b^3 arranged around the outer end of said slot, and

adapted to receive the pins a^6 , and said arm is connected with the handle member a by a pin or bolt c passed through the slot b^2 and through the free ends of the separate parts of the handle member, and one end of which is provided with a nut c^2 with which is loosely connected a link member c^3 by which said nut may be turned. The arm b is also provided on the opposite sides of the slot b^2 with holes b^4 at a predetermined distance from the holes b^3 , and around the inner end of the slot b^2 and on one side thereof are holes b^5 , and on the opposite side of said slot are holes b^6 , and in the outer side wall of the slot b^2 adjacent to the inner end thereof is a recess b^7 , and in the inner wall of the slot b^2 at a predetermined distance from the end thereof is a similar recess b^8 . All the holes b^4 , b^5 and b^6 , and the recesses b^7 and b^8 are adapted to receive the pins a^6 , and by means of the pin or bolt c and the nut c^2 the arm b and the separate parts of the handle member a may be clamped together at any desired point, or said arm may be adjusted in said handle member into any desired position, and by means of the pins a^6 and the holes b^3 , b^4 , b^5 and b^6 , and the recesses b^7 and b^8 which are adapted to receive the pins a^6 the arm b may be adjusted into different positions or at different angles with reference to the handle member a , as shown in full and dotted lines in Fig. 3.

Only a portion of the various positions into which the arm may be adjusted is shown in Fig. 3, but it will be understood that by means of the construction shown and described the arm b may be located in such position as to form almost any desired angle with the handle member a , and said arm may also be locked in direct line with the handle member a .

It will be noted that one end of the arm b is cut away at an angle as shown at b^9 , and the said end of the arm b may be swung in between the separate parts of the handle if desired, the beveled or angular end b^9 striking against the beveled or inclined face a^4 of the plate or web member a^3 , or the opposite end of said arm may be locked between the free ends of the handle member and the entire arm may be projected in this way in line with the handle member.

I also provide an attachment g provided centrally of one side with a wing or web member g^2 , and centrally of one end with a slot or recess g^3 , and this device is intended for

use as shown in Figs. 1 and 2, in which position thereof the wing or web member g^2 is inserted between the separate parts of the handle, and the inner edge of the arm b enters the slot or recess g^3 when said arm is in the position shown in Fig. 1. This attachment g is intended for use when it is necessary to hold the inner face of the arm member a against a round or beveled edge of a board, bar or other device so as to form a better support for the handle member of the tool.

My invention is not limited to the exact details of construction herein shown and described, as it will be apparent that the number of the holes or apertures b^3 , b^4 , b^5 and b^6 in the arm b may be varied, and more or less of said holes or apertures be employed, and said holes or apertures may be differently arranged in said arm, and the number of pins a^6 in the free end of one of the handle members may be varied, and said pins may be differently located, and various other changes in, and modifications of the construction described, may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

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

1. A tool of the class described comprising a handle composed of spring side members secured together at one end and one part of which is provided at its free end with inwardly directed pins which are secured therein, an arm provided in one end portion

with a slot which extends longitudinally thereof, a bolt passed through the free ends of the separate parts of the handle and through said slot and provided at one end with a nut, said arm being also provided around the opposite ends of the slot therein with holes adapted to receive said pins, and in the opposite side walls of said slot at one end thereof with recesses also adapted to receive said pins.

2. A tool of the class described comprising a handle composed of spring side members secured together at one end and one part of which is provided at its free end with inwardly directed pins which are secured therein, an arm provided in one end portion with a slot which extends longitudinally thereof, a bolt passed through the free ends of the separate parts of the handle and through said slot and provided at one end with a nut, said arm being also provided around the opposite ends of the slot therein with holes adapted to receive said pins, and in the opposite side walls of said slot at one end thereof with recesses also adapted to receive said pins, and between the end portions of said slot and in the opposite sides thereof with other holes or apertures adapted to receive said pins.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 7th day of March, 1908.

ANTON BARTELS.

Witnesses:

C. E. MULREANY,
M. E. DOODY.