

(No Model.)

B. FULLER.
CARPENTER'S TOOL.

No. 602,130.

Patented Apr. 12, 1898.

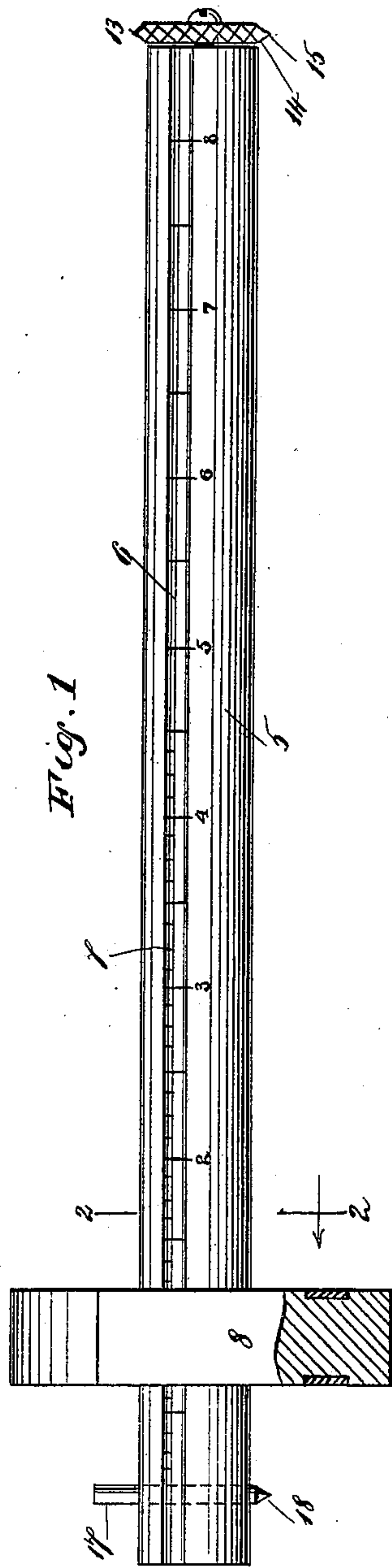


Fig. 1

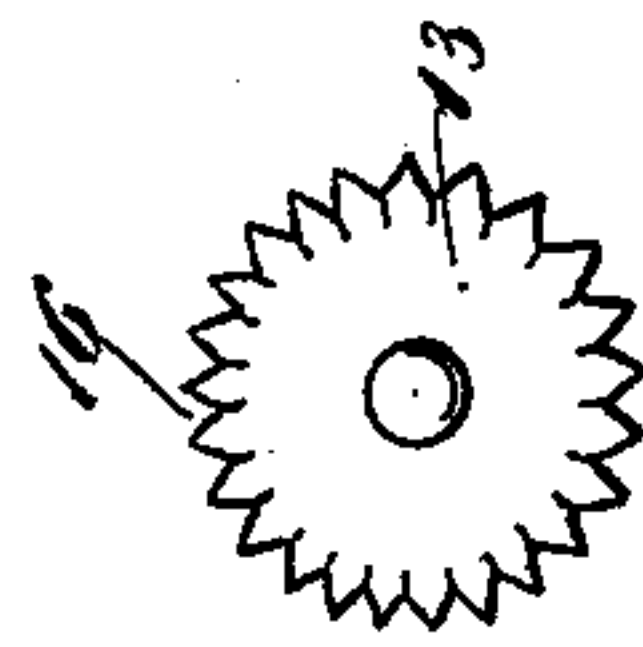


Fig. 3

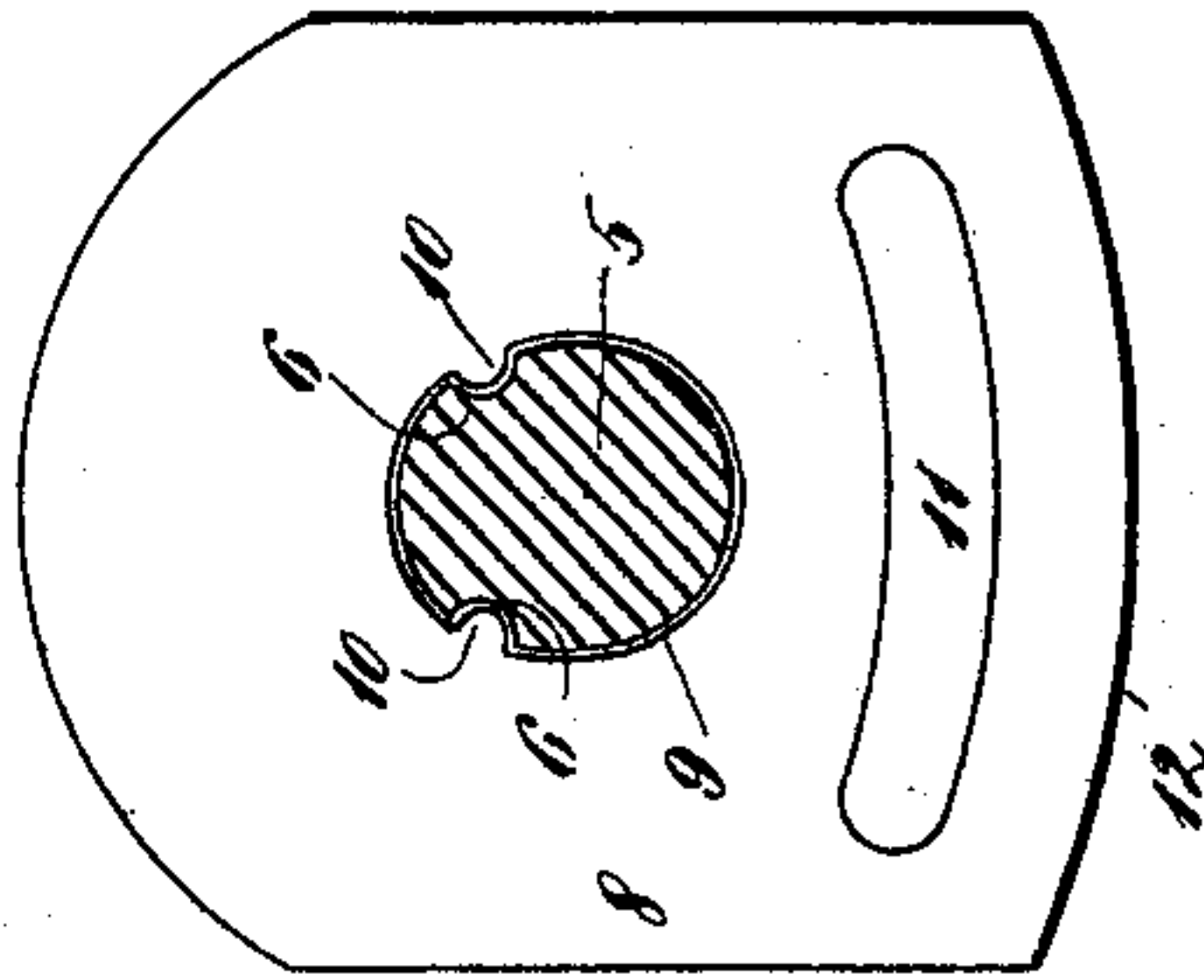


Fig. 2

WITNESSES

attest
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UNITED STATES PATENT OFFICE.

BERT FULLER, OF SACRAMENTO, CALIFORNIA.

CARPENTER'S TOOL.

SPECIFICATION forming part of Letters Patent No. 602,130, dated April 12, 1898.

Application filed February 24, 1897. Serial No. 624,836. (No model.)

To all whom it may concern:

Be it known that I, BERT FULLER, a citizen of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Carpenters' Tools, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to carpenters' tools, and particularly to measuring and scribing devices; and the object thereof is to provide an improved device of this class in which the shaft is oval in form in cross-section and the sliding block is provided with an opening similar in form to a cross-section of the said shaft, whereby the same will be prevented from turning upon said shaft, and in mounting a tracing-wheel centrally of one end of said shaft, whereby the perimeter of the said tracing-wheel will project to a greater extent over the sides of said shaft than over the edges thereof, and in providing the shaft with grooves in which the scale is mounted, so that the said scale will be protected from being defaced by coming in contact with any rough surface, and in providing the sliding block with protecting-plates, and also in providing the shaft with a scribe.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which similar parts are designated by the same numerals of reference in each of the views, and in which—

Figure 1 is a side view of my improved ruler and scribe; Fig. 2, a section on the line 2 2, and Fig. 3 an end view.

In the practice of my invention I provide a combined ruler and scribe, which consists of a shaft 5, which is oval in form in cross-section and which is provided at its opposite sides and near the top thereof with longitudinal grooves 6, in one or both of which is formed a scale 7, as shown in Fig. 1, and mounted on the shaft 5 is a sliding block 8, which is provided with a central opening 9, which is similar in form to a cross-section of the shaft 5 and the walls of which are provided with inwardly-directed projections 10, which move in the groove 6.

The block 8 is provided at each side and near the bottom thereof with segmental metal plates 11, and the bottom of said block is also preferably segmental in form, as shown at 12, and one end of the shaft 5 is provided with a revoluble disk or wheel 13, the edges of which are beveled at the perimeter thereof, as shown at 14, so as to provide a central bearing portion or edge 15, which is provided with serrations or teeth 16, and the opposite end of the shaft 5 is provided with a transverse pin 17, which is pointed at one end, as shown at 18.

The operation will be apparent to all those familiar with this class of devices, and in practice the block 8 is moved along the shaft of the combined rule and scribe, so as to locate the point at which the line is to be drawn, and it will be evident that said block may be moved in either direction, and the wheel 13 is intended for use in making or drawing lines on either planed or unplaned boards, while the point 18 of the pin 17 may be used for a similar purpose, it being understood that by pressing down on the end of the shaft 5 and moving the same along the board the wheel 13 will be turned so that the serrations or teeth 16 will form impressions in said board which can be readily seen. The shaft 5 being oval in form in cross-section and the opening in the sliding block 8 being similar in form, as shown in Fig. 2, it is evident that the said block cannot turn upon the said shaft, and by making a tight fit the usual set-screw can be omitted, which will add to the cheapness of the device as an article of manufacture. The scale being mounted in the grooves, it is evident also that the same will not come in contact with any roughened surface and thereby be defaced, and it will also be evident that the tongues can be omitted in the sliding block, so that the said scale will not be rubbed by the tongues, thereby more completely protecting the same, and the shaft being oval the sliding block will not turn upon the said shaft even if the tongues are omitted. It will also be evident that I gain a substantial improvement in making the shaft oval in form, for the reason that the tracing-wheel, being mounted centrally of one end thereof, will project farther at the sides of the shaft than at the edges thereof, so that by turning the shaft upon the sides I can

make a deep tracing, while by turning the shaft upon one edge the tracing will be made very light, and it is evident that the depth of the tracing can be varied by the way in which
5 the said shaft is held, as it can slide upon any point between the edge and side of the same.

This device is simple in construction and operation, and my invention is not limited to the form of the body shaft 5 thereof as
10 herein shown and described, as it will be apparent that changes in this part of the device may be made without departing from the spirit of my invention or sacrificing its advantages.

15 Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. In a rule, a shaft oval in form in cross-section and provided with grooves adjacent
20 to one edge thereof, and with a scale in either of said grooves, substantially as and for the purpose described.

2. In a rule of the character described, a shaft oval in form in cross-section, and pro-
25 vided with grooves adjacent to one edge thereof and with a scale in either of said grooves, a sliding block mounted upon said shaft and provided with an opening which corresponds in shape with a cross-section of
30 said shaft, segmental plates secured to said block and adapted to act as bearing-surfaces, substantially as and for the purpose described.

3. In a rule of the character described, a

shaft oval in form in cross-section, and pro- 35
vided with grooves adjacent to one edge thereof and with a scale in either of said grooves, a sliding block mounted upon said shaft and provided with an opening which
40 corresponds in shape with a cross-section of said shaft, segmental plates secured to said block and adapted to act as bearing-surfaces, and a tracing-wheel mounted centrally of one
45 end of said rule, said wheel being divided on the perimeter thereof by lines which cross each other, and the sections between said
lines being sharpened, substantially as and for the purpose described.

4. A combined ruler and scribe, comprising a shaft, oval in form in cross-section, and
50 provided with two longitudinal grooves, and with a scale in either of said grooves, a beveled wheel having serrated edges mounted on one end of said shaft, a pin mounted adjacent to the opposite end, and a sliding block
55 having a central opening corresponding in shape to a cross-section of said shaft, and also provided with tongues adapted to engage said grooves, substantially as and for the purpose described. 60

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 17th day of February, 1897.

BERT FULLER.

Witnesses:

JAMES GOULDEN,
WILLIAM J. FULLER.