

UNITED STATES PATENT OFFICE.

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GAUGE AND SCRIBING TOOL.

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To all whom it may concern:

Be it known that ALFRED J. DONLEY, a citizen of the United States, and resident of Bridgeport, in the county of Fairfield and State of Connecticut, has invented certain new and useful Improvements in Gauge and Scribing Tools, of which the following is a specification.

This invention relates to a roller bearing gauge and scribing tool, and it is an object of the invention to provide a tool of the present character which will be an improvement generally over all more or less similar tools heretofore known.

It is a further object to provide a novel and simple gauge and scribing tool having features and characteristics of construction most suitable to the service of the tool in accomplishing its intended functions.

With the above objects in view, as well as others which will appear as the specification proceeds, the invention comprises the construction, arrangement and combination of parts as now to be fully described and as hereinafter to be specifically claimed, it being understood that the disclosure herein is merely illustrative, changes in details of construction and arrangement of parts being permissible so long as within the spirit of the invention and the scope of the appended claims.

In the accompanying drawing forming a part of this specification,

Fig. 1 is an elevational view of the improved tool, suggesting its use as a scribing instrument;

Fig. 2 is an enlarged elevational view of the tool of Fig. 1;

Fig. 3 is an edge view, looking toward the bottom of Fig. 2;

Fig. 4 is a sectional view taken on line 4—4 in Fig. 2, looking in the direction of the arrows; and

Fig. 5 is an enlarged sectional view of a pencil holder, taken on line 5—5 in Fig. 3.

With respect to the drawing and the numerals of reference indicated thereon, 10 denotes the head of the novel gauge and scribing tool having a way 11 slidably receiving the rule 12 provided with graduations 13. The way 11 is preferably of suitable dimension to allow the outer face 14 of the rule to be flush with the adjacent face 15 of the head, and a clip 16 secured to said

face 15 at each side of the way 11, as by means of the rivets 17, holds the rule in the way of the head, as will be understood. As will be most clear from Figs. 1, 2 and 4, the clip 16 has an extension 18 which lies adjacent to or contiguous with the rule and beneath a clamping member 19 secured to the head at opposite sides of the way 11 as by the rivets 20, this clamping member having a raised portion 21 at its center with threaded opening 22 receiving a clamping screw 23 adapted to be turned down against the extension 18 of the clip 16. The material of the clip is preferably resilient, so that when the clamping screw 23 is fastened down, the extension 18 is made to press against the rule to lock it against movement in the way 11. This arrangement will not mar the rule.

As will be clear from the drawing, the head 10 has a preferably straight forward or working edge 24, although this edge need not necessarily be straight. The way 11 extends longitudinally of the head for its full length, and said head includes forwardly positioned flange portions 25 merging into a rearward finger or grip piece 26. The flange portions are adapted to receive the axes 27 of rollers 28 mounted in the head to project beyond the forward edge 24 at opposite side edges of the rule, preferably at some little distance from the rule as disclosed.

The rule has upon its forward end a preferably metallic piece 29 including spaced apart, parallel strips 30 fitted into the upper and lower faces of said rule and having aligning openings 31, a desirably smoothly curved follower 32 opposite said parallel strips, and a pencil opening 33 between the strips and follower. A ferrule 34 passes through the openings 31 of the parallel strips and has its head 35 in engagement with one of said strips, the rule, naturally, having an opening 36 between and in alignment with the openings 31 to receive the ferrule. A clamping ring 37 upon the ferrule and in engagement with the strip of the metallic piece opposite the strip engaged by the head 35 securely fastens the metallic piece and ferrule in fixed position in the rule, it being understood that the follower 32 and pencil opening 33 are preferably in alignment with the longitudinal center of the rule. That is to say, as shown the metallic piece is a

continuation of the rule, and the follower and pencil opening 33 are arranged at the midwidth of the metallic piece.

5 The ferrule 34 is adapted to receive a scribing pencil 38, and to this end said ferrule is provided with internal threads 39 and has its upper end 40 flared outwardly in order that the pencil may be readily and easily inserted.

10 The manner in which the instrument finds use as a scribing tool is clearly illustrated in Fig. 1. In said figure, A represents a wall or the like, and B denotes a board to be made to fit the irregular surface C of said wall. 15 By grasping the finger piece 26 in one hand and the rule 12 in the other (the set screw being not turned down, so that the rule can slide in its way) and causing the rollers 28 to ride over the edge D of the board B while 20 the follower 32 slides over the uneven or irregular surface C of the wall A, the pencil 38 scribes the line E on said board, this line, naturally, following the outline of the irregular surface C. When the board has been 25 sawed or cut away to the surface indicated by the line E, it will exactly fit the surface C.

Clearly, the tool can be used as a gauge by locking the rule in the head, as by means of the clamping screw, and when the tool is 30 used as a gauge or as a scribing tool, either the pencil 38 or a pencil temporarily inserted through the opening 33 can be employed. A pencil such as the one disclosed in Fig. 5 is not suitable for quick, rough work. It

will not stand up. For such work, it is more 35 suitable to insert a heavier pencil in the opening 33.

It will be plain that the details of construction herein can be greatly varied without departing from my invention. For 40 example, the metallic piece at the working end of the rule can be of entirely different construction, as can the parts directly associated with said metallic piece, the rule can be slidably and adjustably arranged in the 45 head in a manner different from that shown, and the finger piece and flanges of the head can be of greatly modified construction and shape.

What I claim is: 50

1. In a tool of the character described, a rule, a metallic piece having a surface follower, said piece being carried by said rule, and a ferrule securing said metallic piece to 55 said rule, said ferrule being adapted to receive a pencil.

2. In a tool of the character described, a rule, a metallic piece having a surface follower and a pencil opening said piece being 60 carried by said rule, a ferrule securing said metallic piece to said rule and itself adapted to receive a pencil, the pencil opening first mentioned being adjacent said ferrule, for the purpose described.

Signed at Bridgeport, in the county of 65 Fairfield and State of Connecticut, this 8th day of May, A. D. 1924.

ALFRED J. DONLEY.