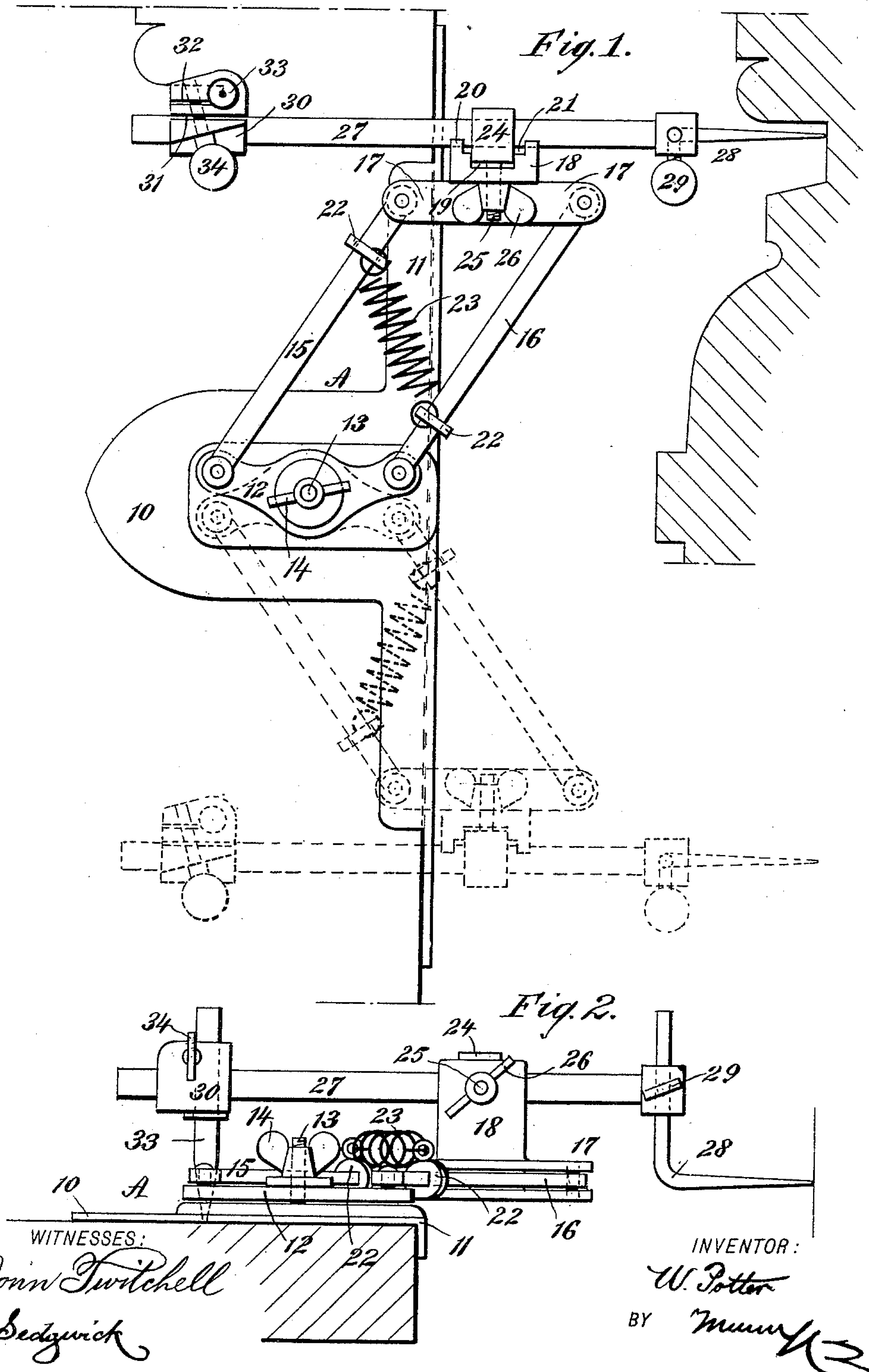
(No Model.)

W. POTTER.

SCRIBER.

No. 450,892. Patented Apr. 21, 1891.



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SPECIFICATION forming part of Letters Patent No. 450,892, dated April 21, 1891.

Application filed January 8, 1891. Serial No. 377,114. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM POTTER, of New York city, in the county and State of New York, have invented a new and useful Scriber, of which the following is a full, clear, and exact description.

My invention relates to an improvement in scribers, and has for its object to provide a tool of exceedingly simple and durable construction and capable of being used either right or left.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in both the views.

Figure 1 is a plan view of the tool, illustrating the same in two positions; and Fig. 2 is a side elevation thereof.

The base A usually consists of a horizontal body-plate 10 and an angled plate 11, integral with one end thereof and extending beyond the sides, as is best shown in Fig. 1. The body of the base-plate is preferably provided with a block-like offset, upon which an equalizing-plate or turn-table 12 is centrally secured, the attachment being effected by any approved form of locking device, that shown consisting of a threaded pin 13, fast to the offset and extending upward through an aperture in the equalizing-plate or turn-table, and a winged nut 14. A rod 15 is pivoted at one of its extremities to one end of the equalizing-plate or turn-table, and a second rod 16 is pivoted in like manner to the other end of the plate. The outer ends of the rods 15 and 16 are pivoted between ears 17, laterally projected from the sides of a movable post 18. The upper portion of the post is thickened upon its outer face to provide for a vertical rectangular channel 19 and a vertical shoulder 20 at each side of the same, and in the side walls of the thickened portions of the posts transversely-aligning recesses 21 are cut. Each arm 15 and 16 is provided with a sliding collar 22, and the two collars are connected by a spiral or coil spring 23. In connection with the post a carrier-block 24 is employed, which is made rectangular at its inner side to fit into the channel 19 of the post. The carrier-block is further provided with a threaded pin 25, which passes through an aperture in the post, and is fitted with a winged nut 26 and provided with a horizontal aperture, through which the scriber-arm 27 is adapted to pass. The scriber-arm also bears against the walls of the recesses 21. In one end of the scriber-arm a tracing-point 28 is detachably and adjustably secured by means of a set-screw 29, and at or near the opposite end of the arm a socket 30 is likewise secured. The socket 30 is adapted to clamp a pencil or a marking-instrument of any description—as, for instance, a pointed pin—which is employed when the wood is varnished or polished, and the socket is of peculiar construction, consisting of a block containing two bores, one at a right angle to the other. A cut 31 is made in the upper face of the block, extending down into the horizontal bore, and a second cut 32 is produced upon one side, extending into the vertical bore. The scriber-arm passes through the horizontal bore, and a point, pin, or pencil 33 is preferably fitted in the vertical bore. The walls of both bores are made to clamp the objects located therein by manipulating a single set-screw 34, which passes through one side of the block and through the cuts into the solid portion of the opposite side.

In operation the flanged portion of the base is placed against the edge of the board to be scribed, and the body-section rests upon the upper face of the board. The board is placed in front of the object to which it is to be fitted. The equalizer or turn-table is loosened and turned to carry the scriber-arm either to the right or to the left, as the character of the work may demand, and the arm is loosened in the post 18, and also adjusted, the two positions being indicated, one in positive and the other in dotted lines, in Fig. 1. After the scriber-arm and equalizing-plate or turn-table have been properly adjusted the spring 23 is placed diagonally of the rods 15 and 16 to force said rods normally in direction of the object whose outline is to be traced. The pivoted rods and the post 18, which virtually constitute a carriage, are then manipulated in a manner to cause the tracing-pin to engage with and follow the outline of the members of the molding or other object to be traced, whereupon the said outline is accurately reproduced upon the board which is to be fitted to the molding.

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

1. A scriber consisting of a base, an equalizing-plate or turn-table on the base, a movable post, parallel rods pivoted to the equalizing-plate or turn-table and to the post, a scriber-arm attached to the post, and a socket adjustable upon the arm and adapted to receive a pencil or other marking implement, substantially as described.

2. A scriber consisting of a base, a movable post, parallel spring-actuated rods pivoted to the base and the post, a scriber-arm adjustably attached to the post, and a socket adjustable upon the arm and adapted to receive a scribing-instrument, as and for the purpose specified.

3. A scriber consisting of a base, an equalizing-plate or turn-table located upon the base, a movable post, parallel rods pivoted to the turn-table or equalizing-plate and the post, a spring adjustable upon the rods, a scriber-arm adjustably located upon the post, and a socket adapted to receive a marking implement adjustable upon the arm, substantially as and for the purpose set forth.

4. In a tool of the character described, the combination, with a scribing-arm, of a socket provided with two bores, one at a right angle to the other, a slot leading into each of the bores from the outer faces of the socket, and a set-screw passed through the socket from one side through both of the cuts and into a solid portion of the socket, as and for the purpose set forth.

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