M. C. DOWLING.

SAW SET.

APPLICATION FILED JULY 24, 1913.

1,192,285. Patented July 25, 1916.

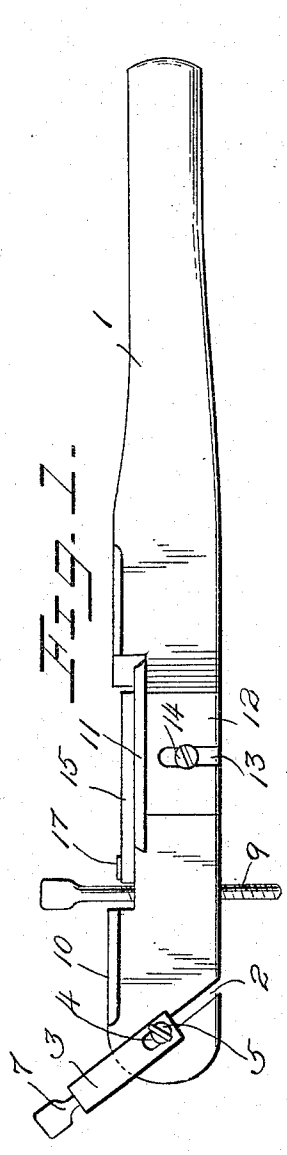

FIG. 1.

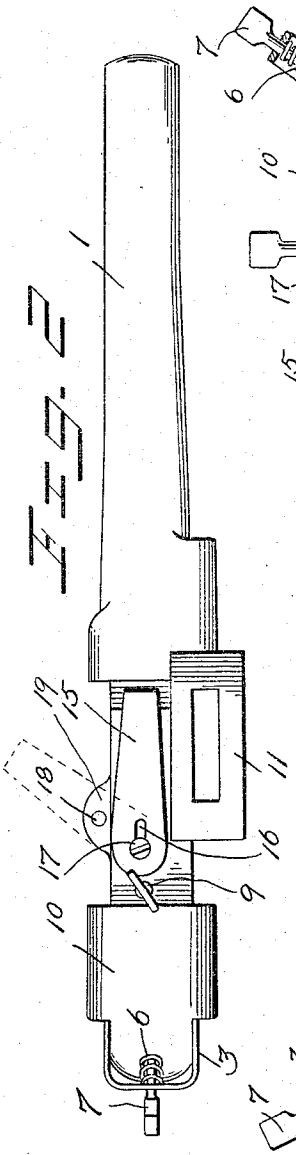

FIG. 2.

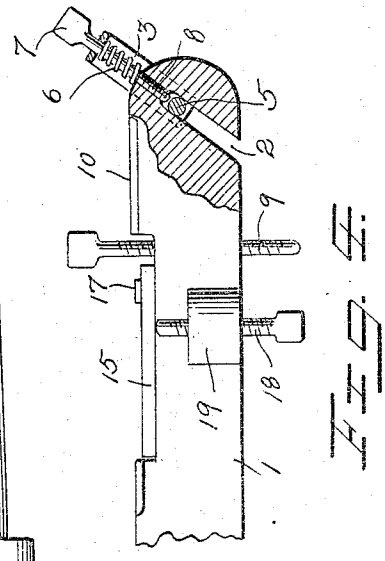

FIG. 3.

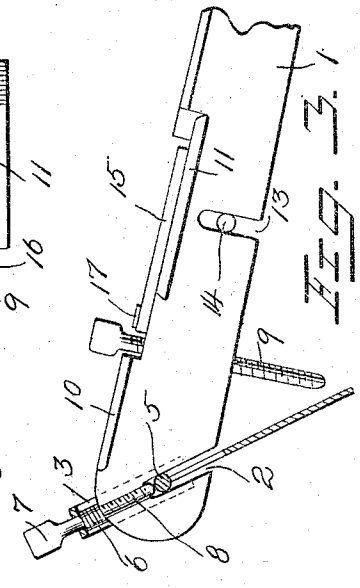

FIG. 4.

WITNESSES:

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SAW-SET.

1,192,285. Specification of Letters Patent. Patented July 25, 1916.

Application filed July 24, 1913. Serial No. 780,951.

To all whom it may concern:

Be it known that I, MOSES C. DOWLING, a citizen of the United States, residing at Kenney, in the county of Dewitt and State of Illinois, have invented certain new and useful Improvements in Saw-Sets, of which the following is a specification.

This invention relates to improvements in saw sets and has for its object to provide a simple, inexpensive, and highly efficient device of this character designed to facilitate the operation of setting a saw.

With the above and other objects in view my invention consists in the combination, arrangement, and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claims.

In the drawings wherein similar reference characters designate similar parts throughout the respective views, Figure 1 is a side elevation of my invention, Fig. 2 is a top plan view thereof, Fig. 3 is a fragmental detail view thereof, partly in section, and Fig. 4 is another fragmental detail view thereof, partly in section.

Referring to the drawings which are merely illustrative of my invention, 1 designates the body of the tool which is of suitable length being formed at one end with an oblique slot 2 which is straddled by a band or strap 3 made of steel, said strap having openings 4 registering with said slot through which passes a wooden peg 5, the function of which is to protect the teeth of the saw when being set. A coil spring 6 bears against the edge of member 1, being wound about a peg 7 projecting through said strap and having a steel screw 8 projecting through member 1 into slot 2 so as to bear down upon the wooden peg 5. The function of the peg 7 is to adjust the distance in setting the tooth.

The steel thumb screw 9 passes through the member 1 in back of the anvil 10 and serves to adjust the amount of set put in the tooth, in an obvious manner. The drag gauge, useful in a device of this kind is a member composed of the slotted part 11 and the right angular part 12 which is formed with a recess 13, through which projects a set screw 14 arranged to hold said gauge in adjusted position. The part 12 is fastened to the side of member 1, and the slotted part 11 will preferably be made of steel and considerably hardened so that a file moving thereover will not cut it. This gauge is adjustably mounted by means of set screw 14. This drag gauge and a member 15 mounted in countersunk relation upon member 1, form together the file holder with which devices of this character are usually equipped. This member 15 has an elongated slot 16 through which passes a set screw 17 by means of which it may be held in adjusted position, as shown in dotted lines in Fig. 2. The wooden peg 18 screws into a lug 19 formed at one side of member 1 and it assists in holding the file in place, when the saw is being jointed.

Having described the details of construction and the functions of the various parts I proceed to set forth in the following claims the novel features of my invention.

I claim:—

1. In a device of the character described in combination an elongated body, said body having an oblique slot at one end, a strap straddling said slot, a peg passing through said strap and said slot, a spring bearing on said body and a screw member passing through the top of said strap, through said spring and into the slot, said screw member bearing against said first-named peg.

2. In a device of the kind described, in combination, an elongated member, said member having an inclined slot at one end, a wooden peg mounted in said slot, means for adjustably holding said peg in said slot, and a screw-bolt passing through said elongated member at the rear of and at right angles relatively to said wooden peg.

3. The described device consisting of a body having an oblique slot therein, a strap straddling said body and carrying a peg movable within said slot.

4. The described device consisting of a body having an oblique slot therein, a strap straddling said body and carrying a peg movable within said slot, said strap having

parallel ends with elongated openings therein in which said peg is mounted.

5. The described device consisting of a body having an oblique slot therein, a strap straddling said body and carrying a peg movable within said slot, said strap having parallel ends with elongated openings therein in which said peg is mounted, means for normally holding said peg toward the inner end of said slot.

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

MOSES C. DOWLING.

Witnesses:
W. W. JOHNSTON,
THOS. A. GESSNER.