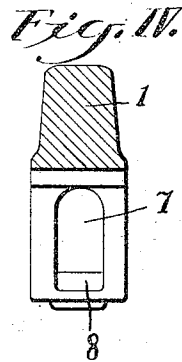
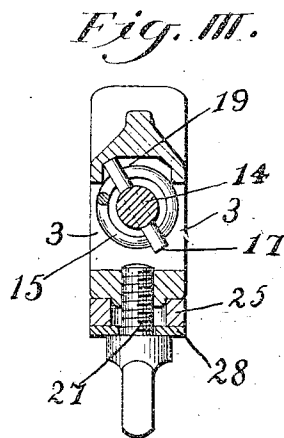
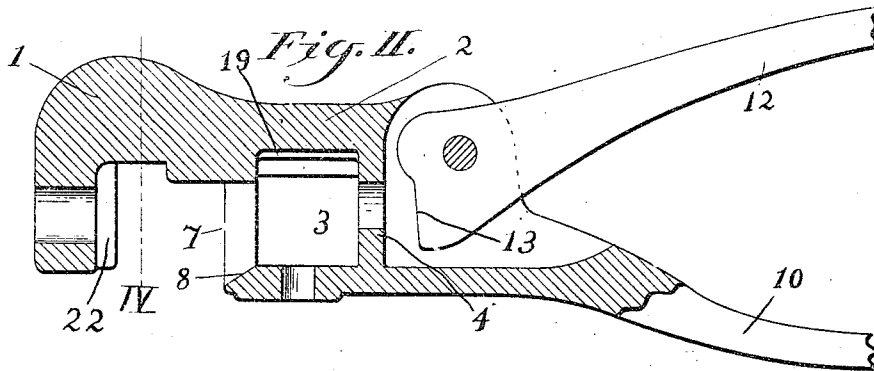
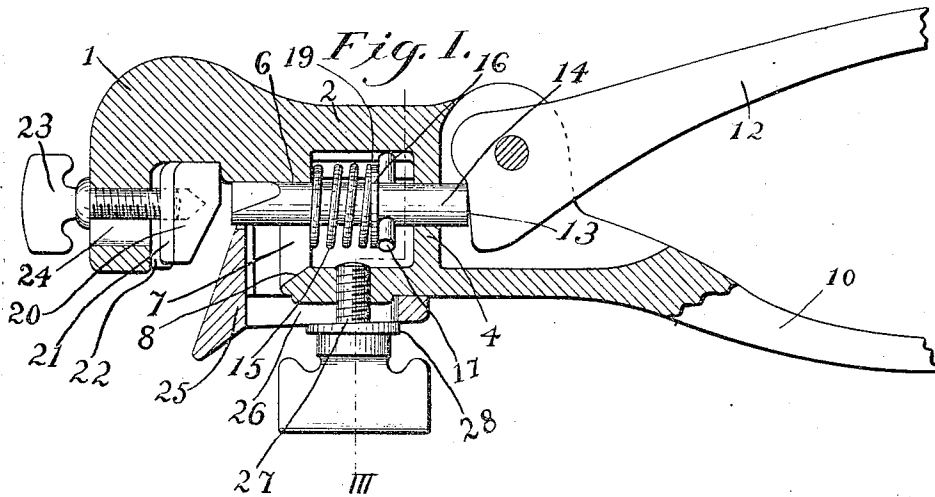


W. M. POTTER.
SAW SET.

APPLICATION FILED SEPT. 28, 1905.

968,686.

Patented Aug. 30, 1910.



WITNESSES:

Charles H. Schaefer
Charles Smith

INVENTOR
William M. Potter
BY *Alfred W. McKinstry*
ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM M. POTTER, OF SYRACUSE, NEW YORK.

SAW-SET.

968,686.

Specification of Letters Patent.

Patented Aug. 30, 1910.

Application filed September 28, 1905. Serial No. 280,482.

To all whom it may concern:

Be it known that I, WILLIAM M. POTTER, citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Saw-Set, of which the following is a specification.

My invention relates to saw-sets, particularly those adapted for use with large cross-cut and circular saws and consists essentially in a stock peculiarly recessed, so as to make assembling easy, and of a key by which the plunger is maintained in position without rotating.

My invention is illustrated in the drawing herewith.

Figure I is a longitudinal section of my peculiar saw-set. Fig. II is the same as Fig. I, but of the stock only, without the detachable parts. Fig. III is a cross section on line III of Fig. I. Fig. IV is a cross section of Fig. II on line IV.

In the figures 1 indicates the solid head; 2 the body, having side openings 3 3, the rear bearing 4 for the plunger and the front bearing 6, therefor, having elongated slot 7 with beveled lower edge 8, through which the plunger is easily inserted in assembling; 10 is the fixed handle. These parts make up the stock, to which is pivoted the lever 12 (in a recess in the rear of the stock) having face 13 to engage with the plunger 14, forced rearwardly by spring 15 bearing on washer 16, held in place by pin or key 17. This key also has the function of preventing rotation of the plunger by engagement with a groove in, or with one corner of, recess 19 in the upper bar of the body.

20 is the anvil having guide flange 21 fitting between side lips 22 on the head and carried on the end of thumb-screw 23 arranged in slot 24 in head, whereby the anvil is vertically adjustable.

25 is the longitudinally adjustable gage-plate for holding the saw up against the anvil. This is provided with slot 26, fitting guide lug on the body, which is desirable to prevent the gage-plate from turning.

27 is the thumb-screw and 28 the washer for the gage-plate.

By this construction the spring, washer and pin are inserted through the side openings and the plunger through the elongated slot in the front bearing, without the necessity of cutting a large hole in the head for that purpose.

My saw-set is simple, strong and economical to manufacture.

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

1. In a saw-set, the combination with a stock having a head, a body formed with side openings, with front and rear bearings for a plunger and with an elongated slot having a beveled lower edge in the front bearing and a fixed handle, of a plunger arranged in the bearings, a lever pivotally secured on the stock to operate the plunger, a spring to retract the plunger, an anvil on the head and an adjustable gage-plate fitted to the lower surface of the stock and extending over the elongated slot to engage with and support the front end of the plunger.

2. In a saw-set, the combination with a stock having a head, a body formed with side openings, with front and rear bearings for a plunger and with an elongated slot having a beveled lower edge in the front bearing and a fixed handle, of a plunger arranged in the bearings, a lever pivotally secured on the stock to operate the plunger, a spring to retract the plunger, an anvil on the head and means to engage with the saw to hold it in proper position, said engaging means being arranged to engage and support the front end of the plunger.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM M. POTTER.

Witnesses:

F. E. WELCH,
L. UNCKLESS.