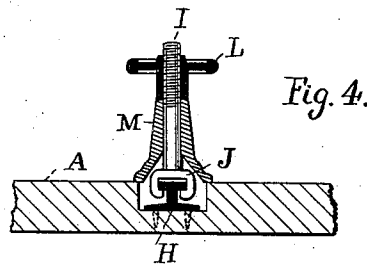
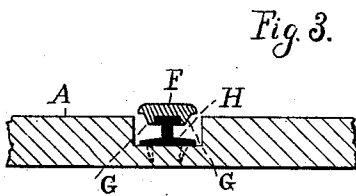
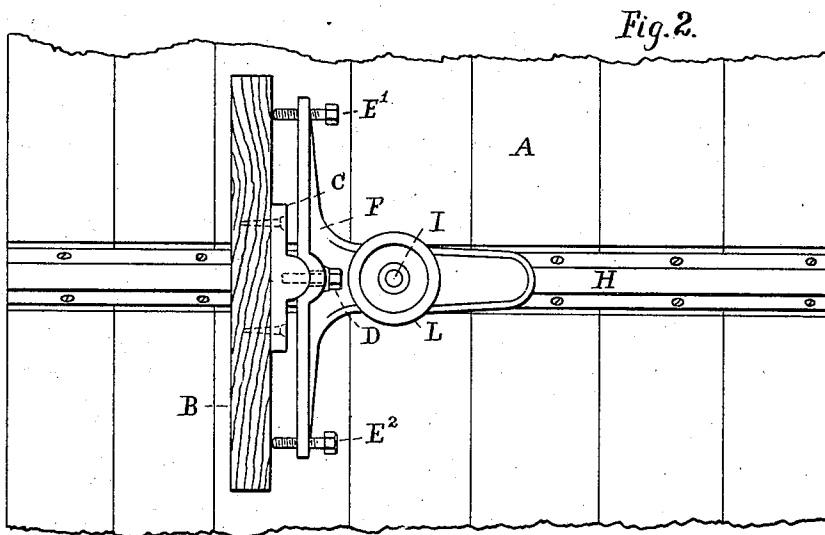
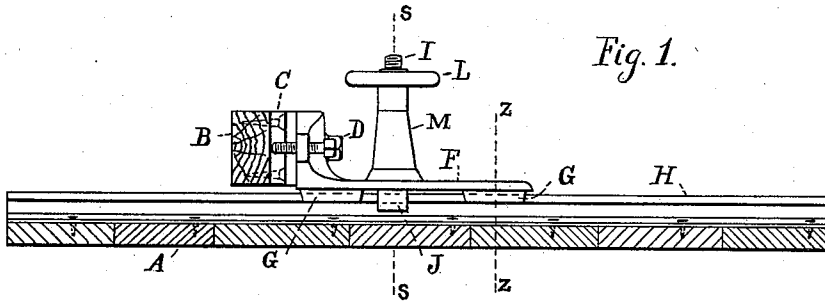


(No Model.)

G. W. DREW.
SAW GAGE.

No. 575,709.

Patented Jan. 26, 1897.



Witnesses:

Edw. S. Cobb.

Wilson D. Bent, Jr.

Inventor:

By John Richards

UNITED STATES PATENT OFFICE.

GEORGE W. DREW, OF SAN FRANCISCO, CALIFORNIA.

SAW-GAGE.

SPECIFICATION forming part of Letters Patent No. 575,709, dated January 26, 1897.

Application filed June 22, 1895. Serial No. 553,729. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. DREW, a citizen of the United States, and a resident of the city and county of San Francisco, State of California, have invented certain new and useful Improvements in Saw-Gages; and I hereby declare the following specification and the drawings therewith to constitute a complete description of my invention and of the manner of constructing and applying the same in practice.

My invention relates to what are called "gages" for circular saws and for analogous purposes where a fence guide or gage requires lateral adjustment and to be fastened in various positions, and is particularly adapted to tables with wooden tops, as shown in the drawings, to which the ordinary slot and T-headed clamping-bolts are inapplicable.

My improvements consist in the employment of a T guide-rail instead of a grooved one set in a groove made in the top of the saw-table, so shaped and situated as to permit easy removal of dust that may fall into the groove at the sides of the guide-rail, also to prevent clogging of the clamp bolt or bolts when the gage is moved; and also consists in a slotted clamping-screw bolt that in fastening the saw-gage clamps the members together.

The objects of my invention are to secure a more convenient adjustment of such saw-gages and simplify their construction.

To these ends I construct a saw-gage as shown in the drawings, in which—

Figure 1 is a side view of one of my improved saw-gages, the woodwork being in section. Fig. 2 is a plan view of the same gage. Fig. 3 is a section on the line *z z* of Fig. 1. Fig. 4 is another section on the line *s s* of Fig. 1.

Similar letters of reference are employed to designate like parts in the different figures of the drawings.

The saw-table top A is represented as made of wood.

B is the guide-bar or gage attached to the swiveling plate C, held by the screw D. The

gage-bar B is adjusted for alinement with the saw by means of the screws *E' E'*, passing through the main member F, as shown in Figs. 1 and 2. This main member F has ledges G on the bottom, forming a channel that fits laterally and on top of the guide-rail H, the latter being set flush with the top of the table A.

The guide-rail H, I make of a section, as seen in Figs. 3 and 4, having an angular top member, a base-flange, and a thin web between, corresponding in general to what is called a "T-rail" section. Embracing this angular top member of the guide-rail H is a clamping-screw I, having jaws J loosely fitting on the rail H and provided with a screw-threaded hand-wheel L at the top. A sleeve M is cast integral with the member F, and extends up high enough to place the hand-wheel L in a convenient position.

By observing the sections, Figs. 3 and 4, it will be seen that the grooves or open spaces left below the surface of the saw-table A are not of a form to clog with sawdust or other debris, and that the jaws J when slid either way will push sawdust or other obstructions out of the grooves; also that the under ledges at the top of the guide-rail H are shallow and in no way offer the obstruction to clearing that exists when an indented dovetailed or angular slot is employed for such guide-rails. It may also be observed that the section of the guide-rail H is such that it can be made from rolled wrought-iron bars, and consequently be of light section and cheap to manufacture, also secure from being broken while in use or in mounting. These last named are principal features of my improvement.

Having thus explained the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The improvement in saw-gages herein described, consisting of a wooden table-top, a rectangular groove formed transversely therein, a T-shaped guide-rail set in said groove flush with the top of the table, in combination with a vertical clamping-bolt having jaws J engaging with the top of the T-headed rail,

a hand-wheel for operating the said clamping-bolt, a main gage member F with sleeve M integral therewith, ledges G, adjusting-screws E' E², swiveling plate C, and gage-bar
5 B, all substantially as and for the purpose specified.

In testimony whereof I have hereunto af-

fixed my signature in the presence of two witnesses.

GEORGE W. DREW.

Witnesses:

ALFRED A. ENQUIST,
WILSON D. BENT, JR.