

**No. 676,282.**

**Patented June 11, 1901.**

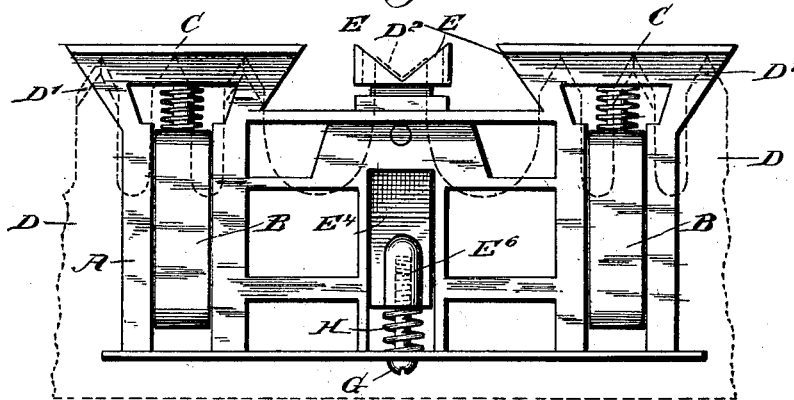
**D. C. STEELE.**

**SAW GAGE.**

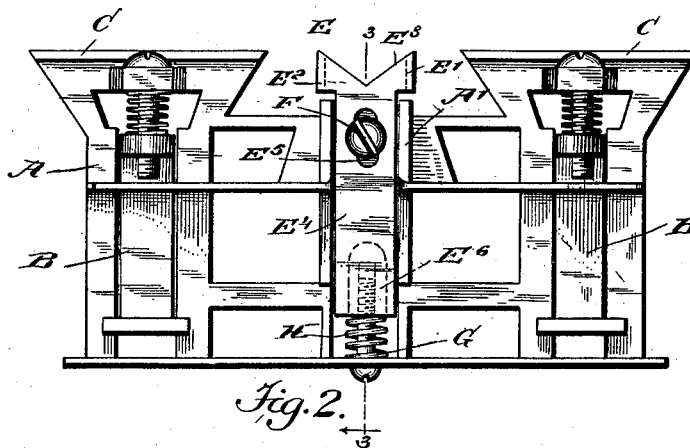
(Application filed Dec. 26, 1900.)

(No Model.)

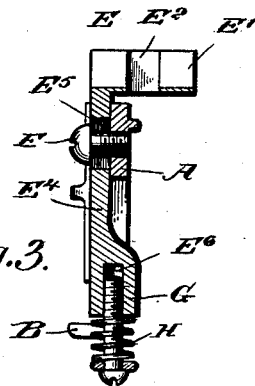
Fig. 1.



*Fig. 2.*



*Fig. 3.*



**WITNESSES :**

A. R. Appleman Jr.  
New York

***INVENTOR***

*Daniel C. Steele*

BY *Mumby*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

DANIEL CARLOS STEELE, OF VILLAGE MILLS, TEXAS, ASSIGNOR OF ONE-HALF TO BERTRAND EVENDER BALL, OF SAME PLACE.

## SAW-GAGE.

SPECIFICATION forming part of Letters Patent No. 676,282, dated June 11, 1901.

Application filed December 26, 1900. Serial No. 41,080. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL CARLOS STEELE, a citizen of the United States, and a resident of Village Mills, in the county of Hardin and State of Texas, have invented a new and Improved Saw-Gage, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved saw-gage, more especially designed for use on saws having cleaner-teeth and arranged to permit accurate filing of the cleaner-teeth without leaving an undesirable bur and without danger of filing the teeth too short for proper working in a cut.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the improvement. Fig. 2 is a rear elevation of the same, and Fig. 3 is a transverse section of the same on the line 3 3 in Fig. 2.

The body A of the saw-gage is provided on the back with the usual clamping devices B for clamping a file for joining and side-dressing purposes. On the upper end of the body A are formed flanges C, against the under side of which abut the cutting-teeth D' of a saw D, having a cleaner-tooth D<sup>2</sup> between sets of cutting-teeth D', as is indicated in dotted lines in Fig. 1. Each cleaner-tooth extends through a vertically-disposed slot E<sup>2</sup> in the head E' of a cleaner-tooth gage E, arranged between the flanges C and provided with a V-shaped top E<sup>3</sup> for filing the projecting bevels of the cleaner-tooth D<sup>2</sup> to give the latter the proper shape without danger of filing the tooth too short or forming a bur on the cutting-point, as is so frequently the case with saw-gages heretofore constructed.

The cleaner-tooth gage E has its shank E<sup>4</sup> mounted to slide vertically in bearings A', formed on the body A, and said shank is provided with an elongated slot E<sup>5</sup>, through which extends a bolt F, screwing in the body A to hold the cleaner-tooth gage in position in the

bearings, but to allow vertical movement thereof. The lower end E<sup>6</sup> of the shank E<sup>4</sup> is tapped and engaged by a screw-rod G, mounted to turn in the bottom of the body A, and on said screw-rod is coiled a spring H, resting with one end on the body and pressing with the other end against the end of the shank E<sup>4</sup>, so as to hold the cleaner-tooth gage in an uppermost position.

Now by the user applying a screw-driver or other tool on the head of the screw-rod E the latter can be readily turned so as to adjust the cleaner-tooth gage vertically in its bearings A' to bring the V-shaped top E<sup>3</sup> in proper relation to the flanges C and allow of conveniently filing the cleaner-tooth to produce a sharp cutting edge and to give the cleaner-tooth the desired length relative to the length of the adjacent cutting-teeth D', as is well known.

It is evident that by having the cleaner-tooth gage formed with a V-shaped top the cleaner-tooth can be readily filed at both bevels without change of position of the saw in the device, to give an accurate shape to the cleaner-tooth, and thereby insure proper work in the cut made by the cutting-teeth D' of the saw when the latter is in action.

It will further be seen that by turning the screw-rod G a ready adjustment of the cleaner-tooth can be had, it being understood that the spring H yieldingly supports the cleaner-tooth gage.

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

1. A saw-gage having a cleaner-tooth gage provided with an opening for the passage of the cleaner-tooth and having a V-shaped top to permit of accurate filing of the cleaner-tooth at both bevels without change of position of the saw in the device, the said cleaner-tooth gage having a shank mounted to slide vertically and yieldingly supported, as set forth.

2. A saw-gage having a body provided with guides for the cutting-teeth, and a cleaner-tooth gage arranged between the said guides and provided with a shank mounted to slide in bearings on the said body, a screw-rod mounted to turn in the body and screwing in

the lower end of the said shank, and a spring on said screw-rod and engaging the body and the end of the shank, as set forth.

3. A saw-gage comprising a body portion 5 provided on its upper part with flanges against the under side of which the cutting-teeth of a saw are adapted to abut, a cleaner-tooth gage arranged between the said flanges and having an opening for the passage of the 10 cleaner-tooth, and a V-shaped top to permit of accurate filing of the cleaner-tooth at both bevels, without change of position of the saw in the device, the cleaner-tooth gage having a shank mounted to slide vertically in bear- 15 ings on the body of the saw-gage to bring the V-shaped top of the cleaner-tooth gage in proper relation to the said flanges, and means for adjusting the cleaner-tooth gage, as set forth.

20 4. A saw-gage having a cleaner-tooth gage mounted to slide, a spring pressing said cleaner-tooth gage, and means for adjusting

the cleaner-tooth gage against the tension of the spring, as set forth.

5. A saw-gage having a cleaner-tooth gage 25 mounted to slide, a spring pressing said cleaner-tooth gage, and an adjusting screw-rod engaging the cleaner-tooth gage to adjust the latter against the tension of its spring, as set forth. 30

6. A saw-gage having a cleaner-tooth gage 30 mounted to slide and formed with a V-shaped top, a spring pressing the cleaner-tooth gage, and a screw-rod screwing in said cleaner-tooth gage, for adjusting the latter against the ten- 35 sion of the spring, as set forth.

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

DANL. CARLOS STEELE.

Witnesses:

F. F. WELKER,  
F. H. BALL.