

J. MORIN.
GAGE FOR CROSSCUT SAWS.
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948,594.

Patented Feb. 8, 1910.

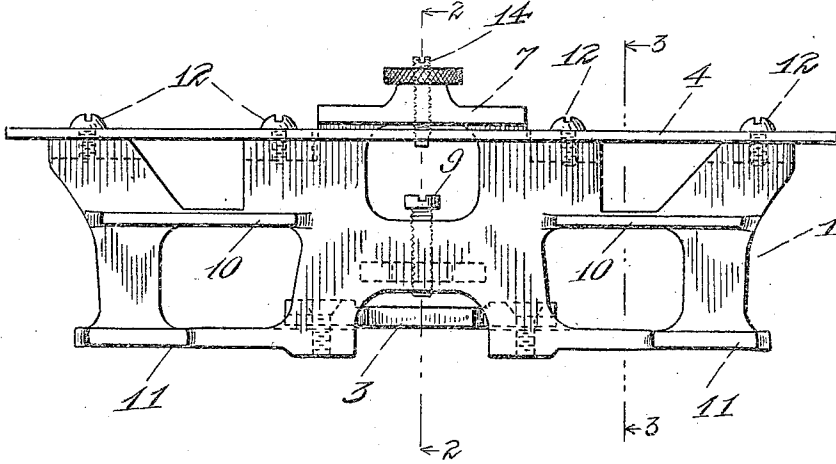


Fig. 1

Fig. 2

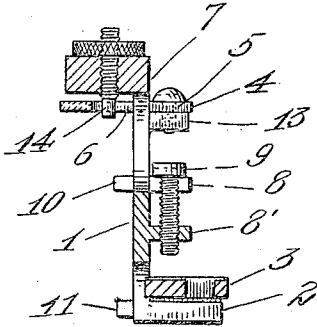


Fig. 3

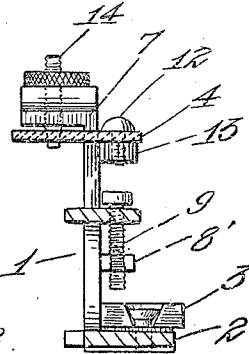


Fig. 4

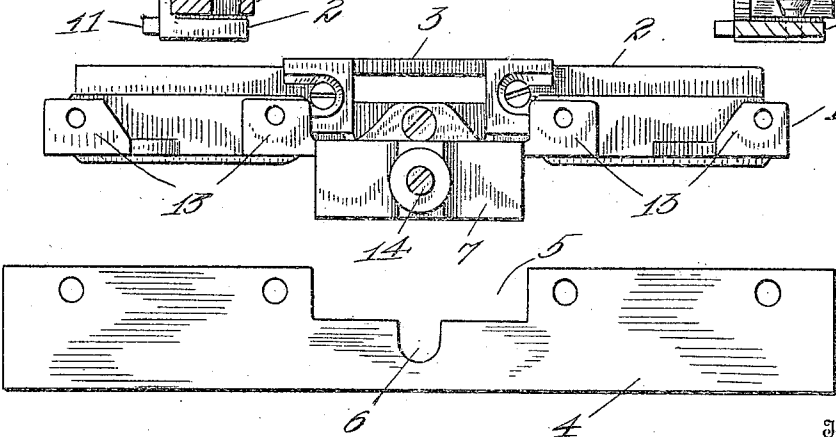
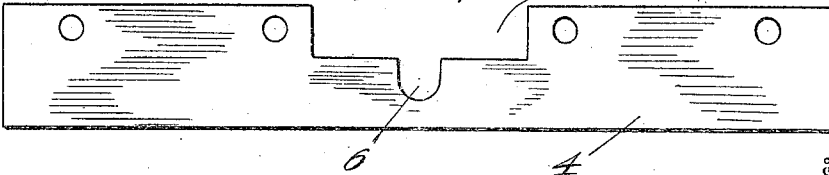


Fig. 5



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GAGE FOR CROSSCUT-SAWS.

948,594.

Specification of Letters Patent.

Patented Feb. 8, 1910.

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To all whom it may concern:

Be it known that I, JOSEPH MORIN, a citizen of the United States of America, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Gages for Crosscut-Saws, of which the following is a specification.

My invention relates to improvements in devices of the above type having more particular reference to gages of the type illustrated in my Patent No. 658,274 issued Sept. 18th., 1900, and the primary object thereof is to simplify and improve the same.

With the above and other objects in view, to be referred to as my description progresses, my invention resides in the structural features and arrangements of parts, hereinafter described and succinctly defined in my annexed claims.

Referring to the accompanying drawing, in which like numerals of reference indicate like parts throughout: Figure 1 is a side elevation of a gage embodying my invention. Fig. 2 is a section taken on line 2—2 of Fig. 1. Fig. 3 is a section taken on line 3—3 of Fig. 1. Fig. 4 is a plan view of my invention with the bearing plate for the cutting teeth of the saw removed, and Fig. 5 is a plan view of said bearing plate removed.

Reference numeral 1 indicates a frame having at one edge a flange 2 on which is arranged the usual gage plate 3. Projecting from the opposite face of frame 1 and at the opposite edge thereof, is a bearing plate 4, cut out, as at 5 and 6, said cut outs communicating with one another and the former, as will be readily understood by reference to Fig. 2, permitting of plate 4, fitting about lug 7 and projecting to the opposite side of frame 1, whereby one side edge thereof will lie in alinement with the free side edges of ribs 8 of frame 1, to afford a proper bearing for the saw when gage plate 3 is in use. Below ribs 8 is a lug 8' in which the usual screw 9, for clamping a file, is mounted.

Reference numerals 10 and 11 indicate spaced ribs provided on frame 1 for engagement with the side face of the saw during the operation of gaging the raker teeth.

Bearing plate 4 must obviously be smooth and of an extremely hard material. Therefore I form the same separate of frame 1, and of a relatively hard material, as steel, frame 1, being cast in the usual manner. Plate 4 when in position, rests on lugs 13, which provide broad seats therefor, and are held against displacement by screws as 12.

Mounted in lug 7 is a gage screw 14 for the "rakers," the same projecting through cut out 6 of plate 4, as clearly shown, and being adapted to be set, in the usual manner to gage the raker teeth of the saw while the cutting teeth thereof have bearing on plate 4.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States of America, is:

1. In a saw gage, a frame provided at one edge with an outwardly projecting lug, a gage for the raker teeth of a saw adjustably supported in the lug of said frame, a bearing plate for engagement with the points of the cutting teeth of a saw arranged on said frame and being of a relatively hard material, said bearing plate being cut out to fit about the lug of said frame and being formed with an opening for reception of said gage, and screws removably securing said bearing plate on said frame.

2. In a saw gage, a frame provided at one edge with a gage plate, a rib on said frame above said gage plate, a gage for the raker teeth at the opposite edge of said frame and projecting from the opposite side thereof relatively to said gage plate, and a bearing plate for the cutting teeth of the saw formed with an opening through which said gage projects, said bearing plate having one edge portion disposed on the opposite side of said frame in vertical alinement with the free edge of the rib thereof, for the purpose specified.

Signed at Seattle, Washington this 6th day of February 1909.

JOSEPH MORIN.

Witnesses:

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