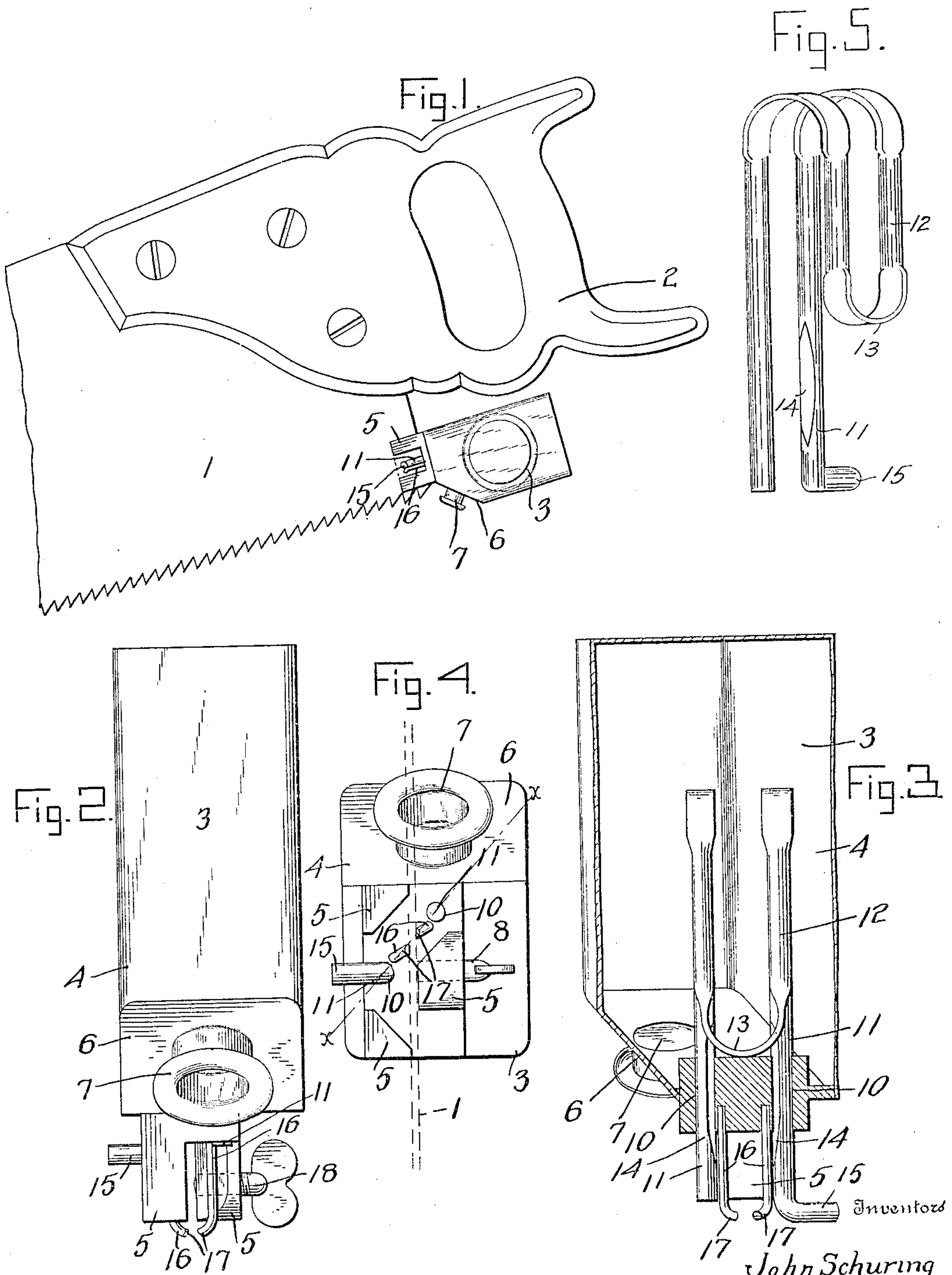


J. & H. SCHURING.
SAW OILING DEVICE.
APPLICATION FILED SEPT. 2, 1908.

927,756.

Patented July 13, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN SCHURING AND HARM SCHURING, OF CHERRYDALE, VIRGINIA.

SAW-OILING DEVICE.

No. 927,756.

Specification of Letters Patent.

Patented July 13, 1909.

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To all whom it may concern:

Be it known that we, JOHN SCHURING, a subject of the Queen of the Netherlands, and HARM SCHURING, a citizen of the United States, residing at Cherrydale, in the county of Alexandria and State of Virginia, have invented certain new and useful Improvements in Saw-Oiling Devices; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to saw oilers especially adapted for use on hand saws and is designed as an improvement on the device shown and described in U. S. Patent No. 856,734 issued on June 11, 1907, to Harm Schuring.

Like the patented device, the present oiler is of simple construction and is adapted to be quickly and securely fastened at any point on the saw blade where it is desired to have the oil fed. The present invention is more durable than that covered by said patent and has been found to give better results.

The invention consists in the features of construction and combinations of parts hereinafter described and specified in the claims.

In the accompanying drawing, illustrating the preferred embodiment of our invention: Figure 1 is a side view of the handle end of the saw showing our oiler attached to the blade. Fig. 2 is an edge view of the oiler removed. Fig. 3 is an enlarged broken vertical sectional view taken through the passages for the feed controlling wires, Fig. 4 is an end view of the oiler showing the position of the saw blade when engaged therewith in dotted lines, and Fig. 5 is a perspective view of the feed controlling wires.

Referring more particularly to the drawing, in Fig. 1, 1 designates the saw blade and 2 the handle. The oiler or oil cup 3 comprises a can or receptacle 4 from one end of which there extend three arms or posts 5 adapted to straddle the saw blade. The can is preferably made of tin or other flexible metal so that the sides thereof may be pressed to aid in the feeding of the oil. The end of the can from which the arms 5 project is preferably cut away at one edge on an oblique as at 6 to provide space for the filling nozzle 7.

Of the arms 5, two are arranged at one side with a space left between them. The other

arm is arranged on the other side opposite the space between the first two arms, space being left between said third arm and the other two arms for the insertion of the edge of the saw blade. The single or third arm carries a set screw 8 adapted to be tightened up against the saw blade for clamping it firmly between the arms whereby the oiler is held at any desired point on said saw blade.

The end of the can from which the arms project is provided with two perforations or passages 10 in which are fitted the feed controlling wires 11. Said wires are preferably formed integral, the inner portions thereof being bent upon themselves as at 12 with the end of the loop 13 adapted to abut against the inner face of the end of the can and act as a stop against the outward movement of said feed wires beyond a desired point. Each of said wires has a groove 14 cut in the portion thereof which passes through the passages 10. Said grooves extend some distance beyond said passages on the outside of the can, to permit the oil to flow from the can along said wires to the saw blade. At their outer extremities said grooves are beveled off so that an adjustment of the feed wires will regulate the amount of oil fed by them to the saw. Said wires may be adjusted by engaging the finger nail, with the hook on the end of one of them.

Two delivery wires 16 are secured to the end of the can intermediate of the feed wires 11 and one on each side of the saw blade when the oiler is engaged therewith. The outer ends of the wires 16 are turned inward at their ends so that they may be close to the saw blade and their extremities are beveled off as at 17 to permit the ready adjustment of the oiler upon the blade of the saw. In operation the oil fed through the grooves in the feed wires runs down between the said feed wires and the wires 16 and is delivered by said latter wires on to the blade of the saw. The use of these wires 16 assures the proper flow of the oil and prevents it from adhering to the inner surface of the end of the can.

It will be noted that the end of the can from which the arms 5 project is extended to one side of said arms to give greater width and capacity to the can. This extension should be on the side away from the operator when the oiler is attached to the saw blade in order that it will not prove an obstruction.

The set screw 8 should also be arranged on the side away from the operator for the same reason.

We claim:

- 5 1. An oil cup provided with three projecting arms two of which are spaced apart and arranged at one side while the third arm is located at the other side opposite the space between the first two arms, means on said
10 third arm for clamping the blade of a saw between said arms, and means to feed oil from said cup to said saw blade.
- 15 2. An oil cup provided with means for clamping it upon the blade of a saw, two feed controlling wires fitted in perforations in the cup and adapted to be arranged one on each side of the saw blade, said wires having
20 groove therein for the passage of oil from said cup, and means whereby the adjustment of said wires will regulate the flow of the oil.
- 25 3. An oil cup provided with means for clamping it upon the blade of a saw, two feed controlling wires fitted in perforations in the cup and adapted to be arranged one on each side of the saw blade, said wires having
30 grooves therein which are beveled off at their outer extremities whereby the adjustment of said wires will regulate the flow of the oil through said grooves and perforations.
- 35 4. An oil cup provided with means for clamping it upon the blade of a saw, two feed controlling wires fitted in perforations in the cup and adapted to be arranged one on each side of the saw blade, said wires being made
40 of an integral piece and having grooves therein for the passage of oil, and means whereby the adjustment of said wires will regulate the flow of the oil, one of said wires being provided with a notch for the purpose specified.
5. An oil cup provided with means for clamping it upon the blade of a saw, two feed controlling wires fitted in perforations in the cup and having grooves for the passage of

oil, said wires being made of an integral piece, the inner looped portion of which is bent
45 upon itself and adapted to engage the inner surface of the cup to limit the outward movement of said wires, and means whereby the adjustment of said wires will regulate the flow of the oil.

6. An oil cup provided with means for clamping it upon the blade of a saw, two feed controlling wires fitted in perforations in the cup and adapted to be arranged one on each side of the saw blade, and two oil delivery
50 wires located between said feed controlling wires and the sides of the saw blade for the purpose specified.

7. An oil cup provided with means for clamping it upon the blade of a saw, two feed
60 controlling wires fitted in the perforations in the cup and adapted to be arranged one on each side of the saw blade, and two oil delivery wires located between said feed controlling wires and the sides of the saw blade for
65 the purpose specified, said oil delivery wires being inclined inward toward the saw blade but turned outward at their extremities to guide said saw blade between them.

8. An oil cup provided with a plurality of
70 arms projecting therefrom, means to clamp the blade of a saw between said arms, two feed controlling wires fitted in perforations in the cup and adapted to be arranged one on each side of the saw blade and two oil delivery
75 wires located between said feed controlling wires and the sides of the saw blade for the purpose specified.

In testimony whereof, we affix our signatures, in presence of two witnesses.

JOHN SCHURING.
HARM SCHURING.

Witnesses:

GEO. H. RUCKER,
H. R. THOMAS.