(No Model.)

P. CHOUTEAU.

MEANS FOR LUBRICATING CUTTING EDGES OF TOOLS.

No. 522,588. Patented July 10, 1894.

Fig. 1.

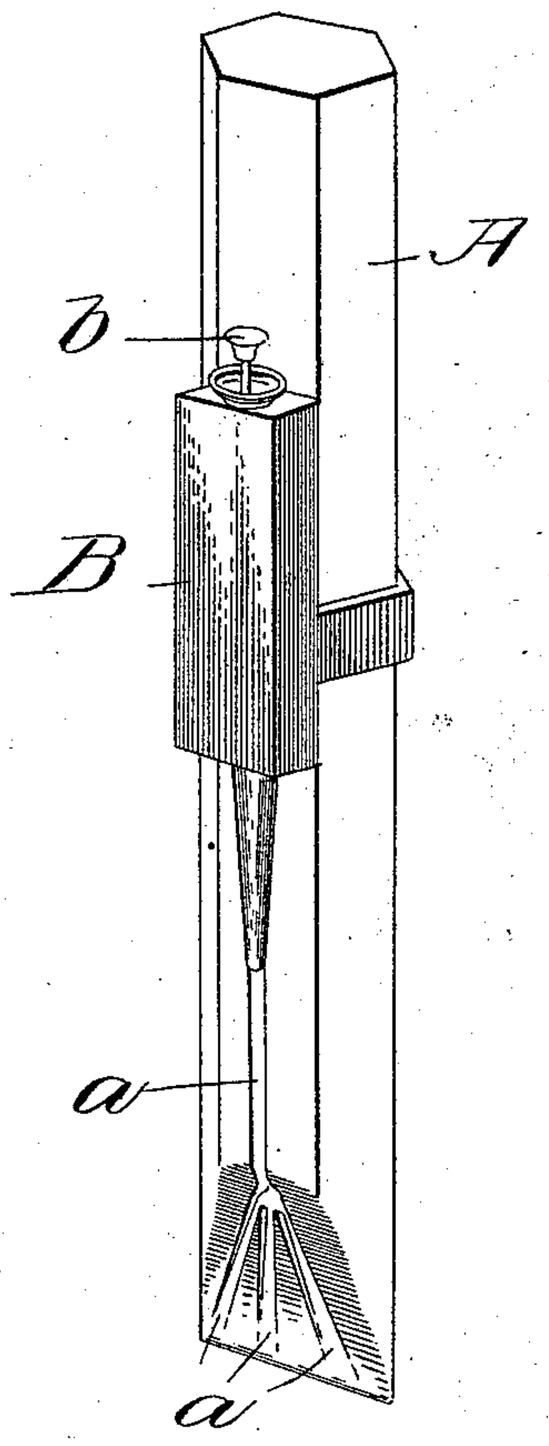


Fig. 3

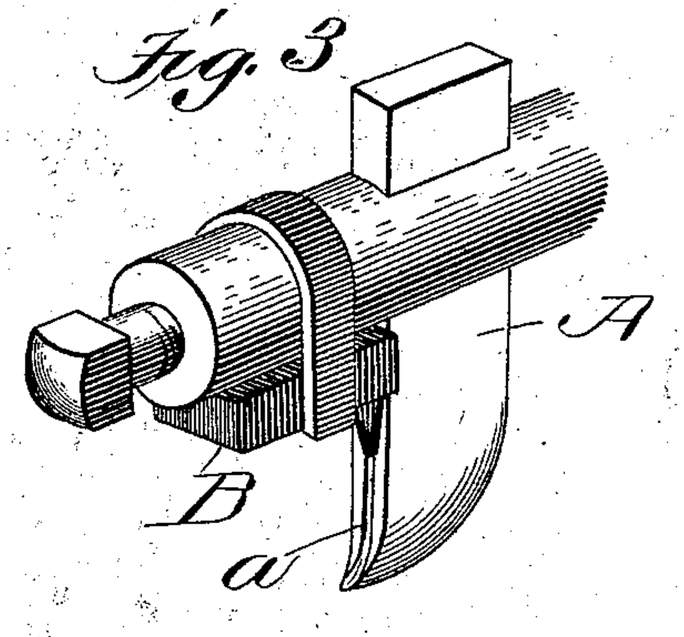
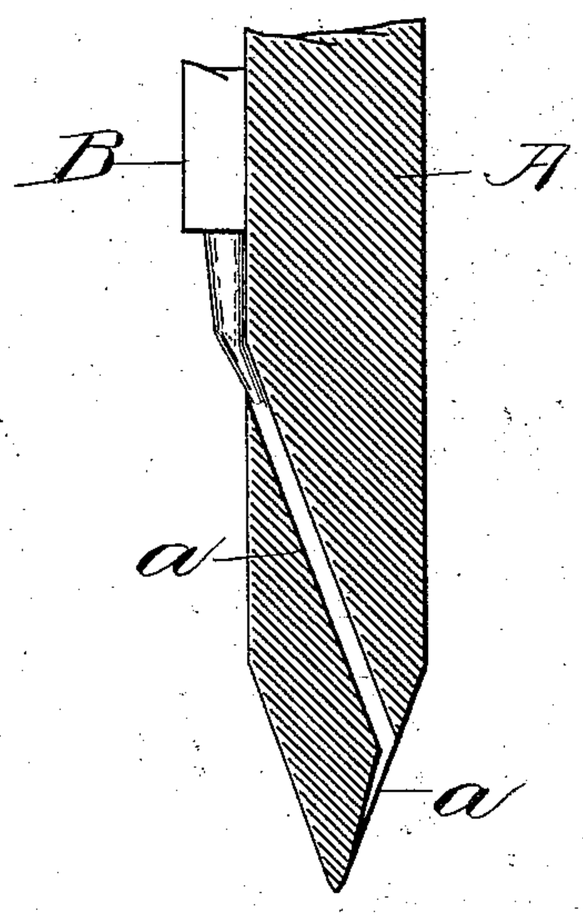


Fig. 2.



Witnesses
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Inventor
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By Paul Bakewell
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UNITED STATES PATENT OFFICE.

PIERRE CHOUTEAU, OF ST. LOUIS, MISSOURI.

MEANS FOR LUBRICATING CUTTING-EDGES OF TOOLS.

SPECIFICATION forming part of Letters Patent No. 522,588, dated July 10, 1894.

Application filed February 26, 1894. Serial No. 501,601. (No model.)

To all whom it may concern:

Be it known that I, PIERRE CHOUTEAU, a citizen of the United States, residing in the city of St. Louis, State of Missouri, have invented a certain new and useful Improvement in Means for Lubricating the Cutting-Edges of Tools, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, wherein—

Figure 1 is a view illustrating my improved means for feeding a lubricant to the edge of a hand tool. Fig. 2 is a sectional view through a hand tool, showing a slightly modified form of feed to the cutting edge thereof. Fig. 3 illustrates the application of my improved form of lubricant feed to a machine-operated cutting tool.

My invention relates to a new and useful improvement in the means for lubricating the cutting edges of tools, and consists, generally stated, in mounting directly upon the tool itself, or in so locating near the tool whose cutting edge is to be lubricated a reservoir, and in establishing a conduit, by pipes, spouts, channels, or otherwise, to the cutting edge of said tool.

Another feature resides in the means, located directly on the tool, for distributing the lubricant along its cutting edge, all as will hereinafter be described and afterward pointed out in the claim.

In the drawings, A indicates the cutting tool, being illustrated in Figs. 1 and 2 as a hand tool or chisel, and in Fig. 3 as the tool of a planing machine.

Mounted upon the tool itself, or near the tool, is a reservoir B, which may have means to regulate the flow of the lubricant therefrom, as by a button *b* operating a needle or other controlling valve.

The lubricant is preferably discharged from the reservoir by gravity into a channel or port *a*, and is conducted thence to the cutting edge.

To distribute the lubricant evenly along the cutting edge, I preferably form diverging branches from the main channel or port *a*, which diverging branches divide the lubricant flowing through the channel and conduct it to different points along the cutting edge.

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

A cutting tool provided with a main lubricating conduit, and branch conduits in the form of surface grooves, which lead from the lower extremity of the main conduit in different directions so as to distribute the lubricant at different points along the cutting edge, substantially as described.

In testimony whereof I hereunto affix my signature, in presence of two witnesses, this 20th day of February, 1894.

PIERRE CHOUTEAU.

Witnesses:
F. R. CORNWALL,
HUGH H. WAGNER.