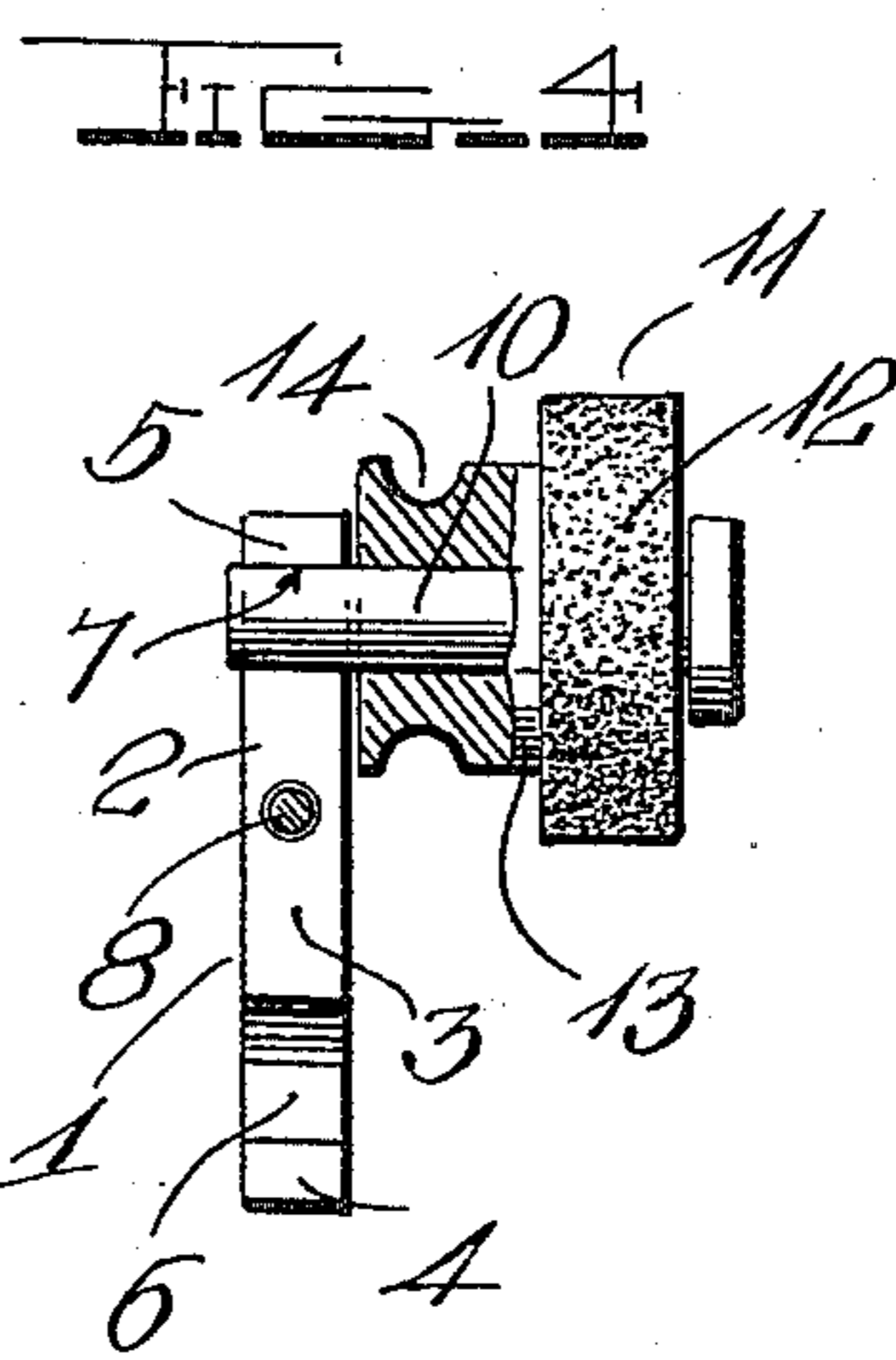
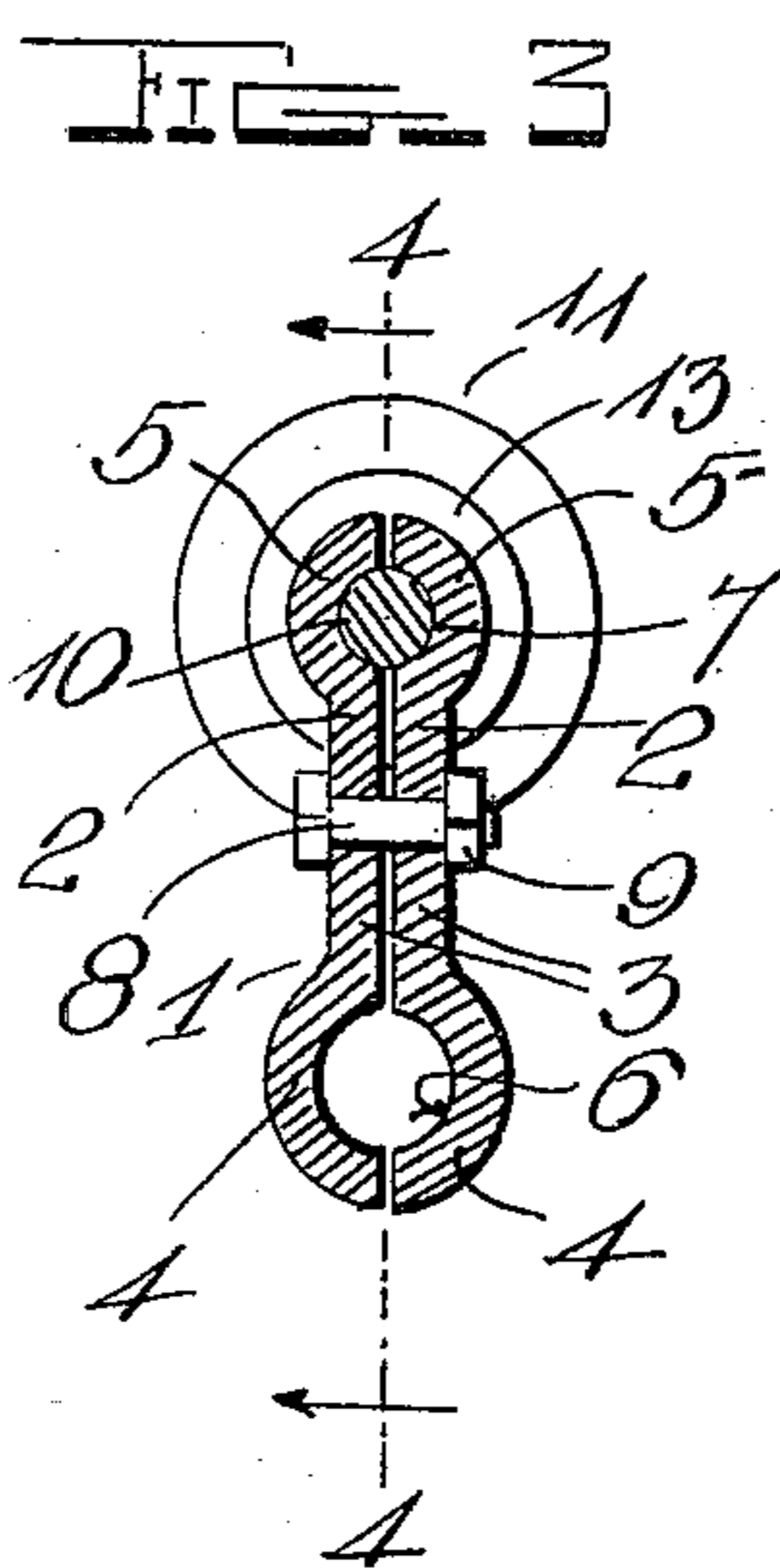
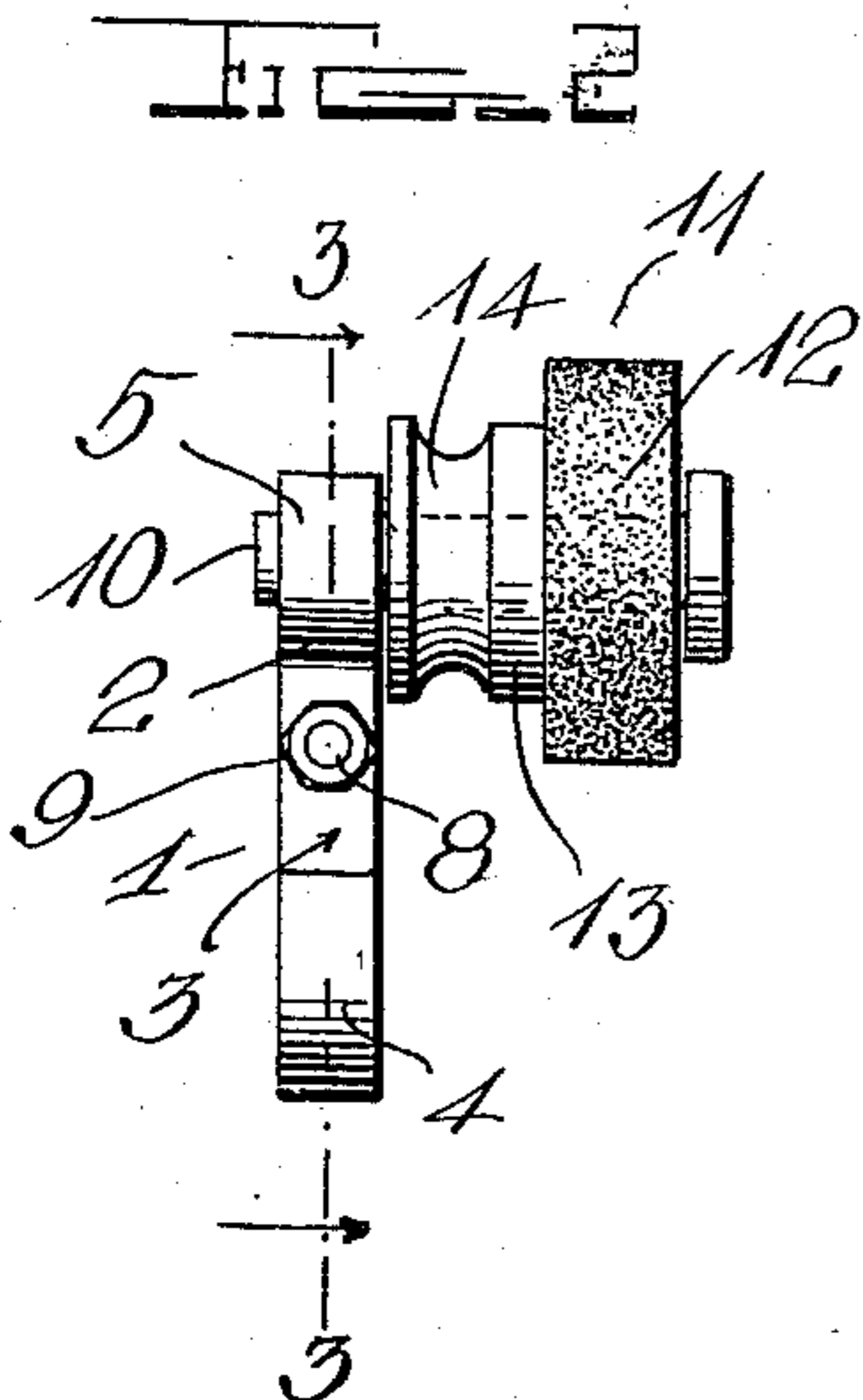
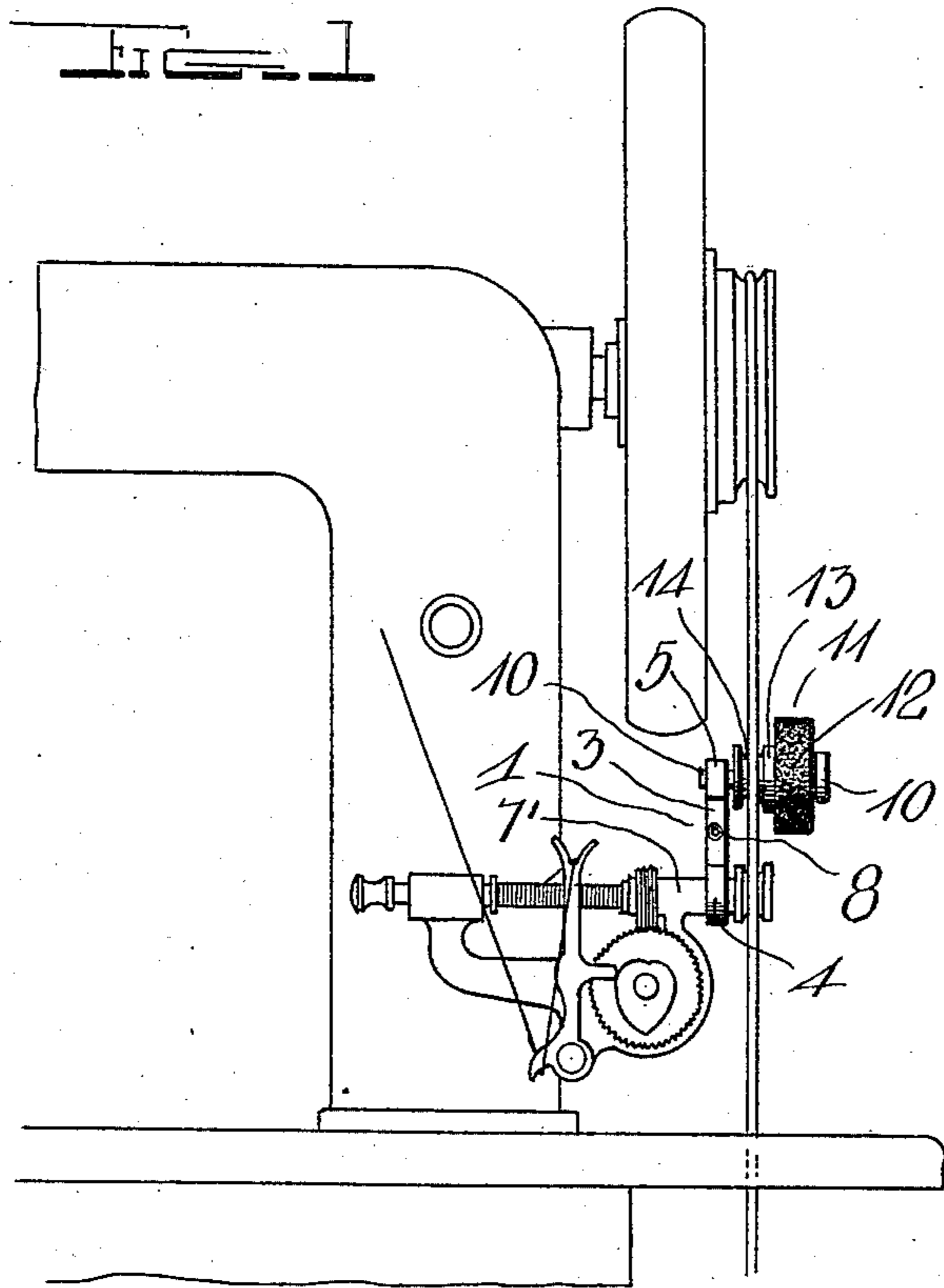


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GRINDING ATTACHMENT FOR SEWING MACHINES.
APPLICATION FILED FEB. 7, 1910.

966,305.

Patented Aug. 2, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM RUTHVEN BRENNAN, OF LA SALLE, ILLINOIS.

GRINDING ATTACHMENT FOR SEWING-MACHINES.

966,305.

Specification of Letters Patent.

Patented Aug. 2, 1910.

Application filed February 7, 1910. Serial No. 542,495.

To all whom it may concern:

Be it known that I, WILLIAM R. BRENNAN, a citizen of the United States, residing at La Salle, in the county of LaSalle and State of Illinois, have invented certain new and useful Improvements in Grinding Attachments for Sewing-Machines; and I do 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.

This invention relates to improvements in grinding attachments for sewing machines.

The object of this invention is to provide a simple attachment which may be applied to the bobbin supporting bracket of the machine and driven by the belt of the machine for grinding blunt or dull needle points, shears, or any other household tool.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a front elevation illustrating the application of the attachment; Fig. 2 is a detail elevation of my grinding attachment; Fig. 3 is a vertical sectional view taken on the line 3—3 of Fig. 2; and Fig. 4 is a transverse section, partly in elevation, taken on the line 4—4 of Fig. 3.

Referring to the drawings for a more particular description of the invention, the bracket 1 comprises a clamping member composed of a pair of corresponding sections 2, each of which is provided with a flat central portion 3, and semi-circular end portions 4 and 5, respectively, which, when the two sections are secured together, form bearings 6 and 7. The bearing forming portions 4 are designed to fit one end of the bobbin supporting bracket 7', and are held

in secure clamping engagement therewith by the screw 8, passing through the central portions of the two sections of the clamping member and the nut 9 screwing on the threaded projecting end of the screw.

The semi-circular portions 5 of the bracket are designed to receive one end of the shaft 10, upon which the grinding wheel 11 is revolubly mounted. The grinding wheel is preferably made of emery and essentially comprises the disk-shaped grinding portion 12 and hub 13, which is grooved, as at 14, to receive the belt of the machine, whereby the grinding wheel may be rotated by the treadle mechanism of the machine.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Having thus described my invention, what I claim is:—

A grinding attachment of the class described comprising a supporting bracket consisting of a pair of corresponding sections provided at opposite ends with semi-circular bearing portions, the bearing portions at one end of the bracket adapted to receive a suitable support, a shaft mounted in the bearing portions at the opposite end of the bracket, and a grinding wheel revolubly mounted on said shaft and comprising a disk-like grinding portion and a grooved hub, and means for holding the sections of the bearing bracket in clamping engagement.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM RUTHVEN BRENNAN.

Witnesses:

ANNA M. BEGLEY,
WM. M. COUGHLIN.