

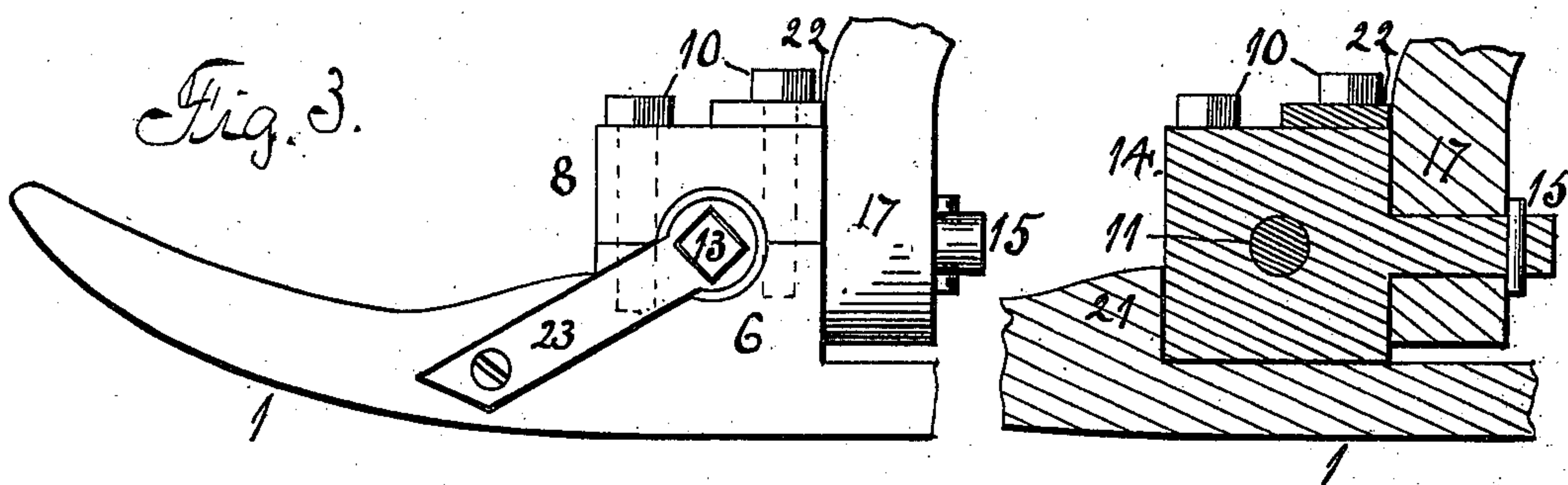
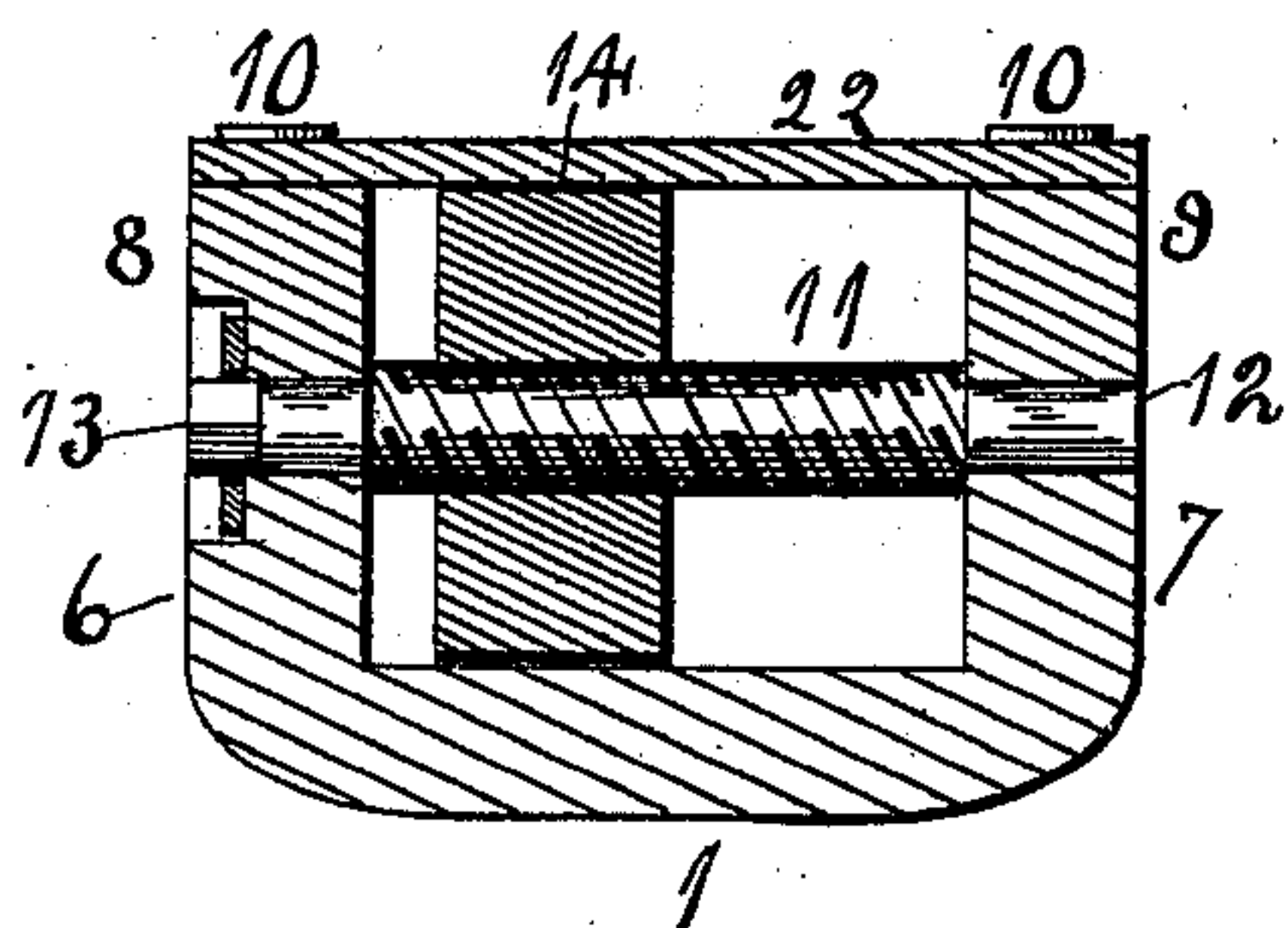
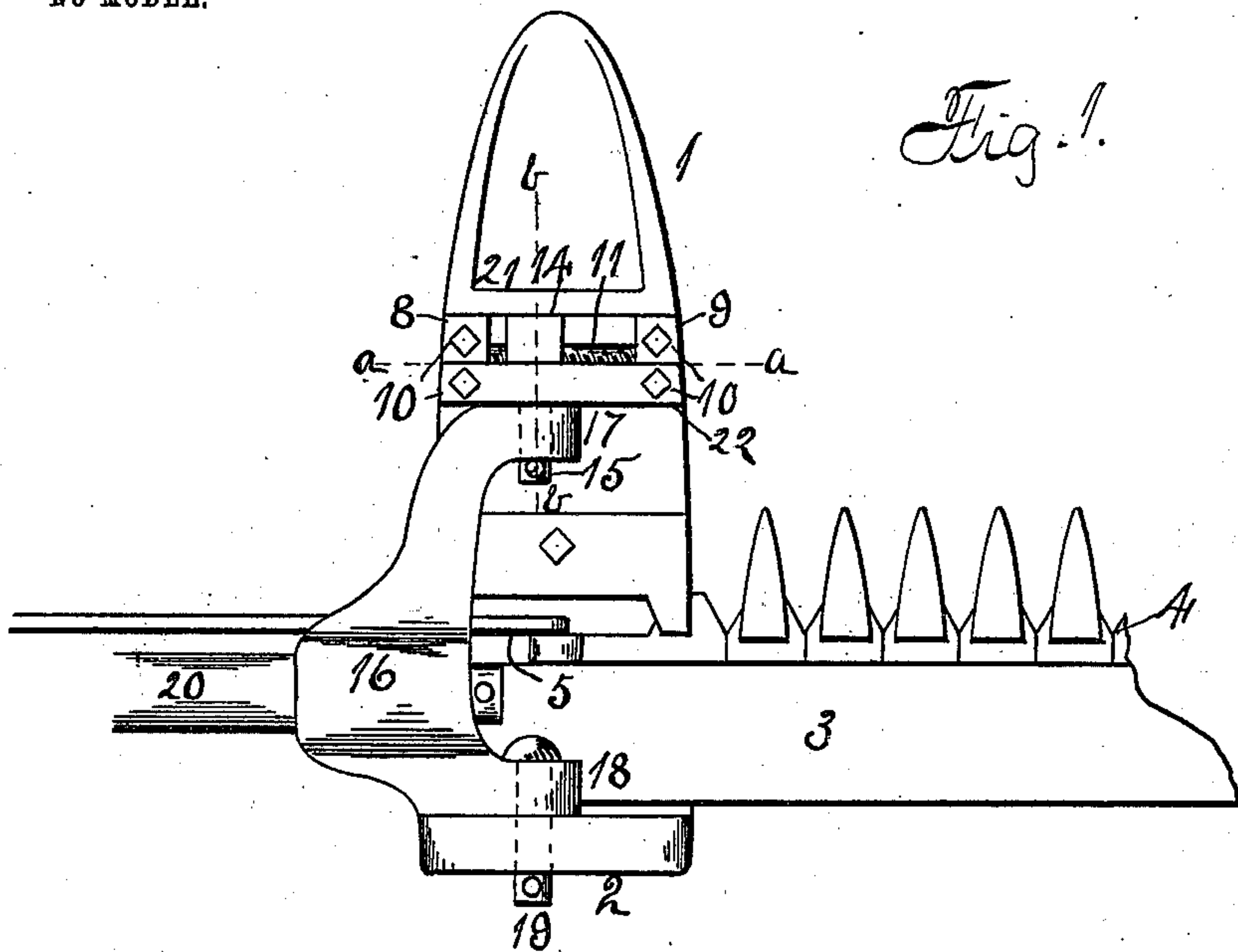
No. 723,724.

PATENTED MAR. 24, 1903.

J. L. PATTERSON.
DEVICE FOR ALINING CUTTER BARS.

APPLICATION FILED AUG. 14, 1902.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

JAMES L. PATTERSON, OF LEAF RIVER, ILLINOIS.

DEVICE FOR ALINING CUTTER-BARS.

SPECIFICATION forming part of Letters Patent No. 723,724, dated March 24, 1903.

Application filed August 14, 1902. Serial No. 119,661. (No model.)

To all whom it may concern:

Be it known that I, JAMES L. PATTERSON, a citizen of the United States, residing at Leaf River, in the county of Ogle and State of Illinois, have invented certain new and useful Improvements in Devices for Alining Cutter-Bars, of which the following is a specification.

The object of this invention is to adjust the cutter-bar of a harvesting-machine so that the cutter will be in perfect alinement with the pitman.

In the accompanying drawings, Figure 1 is a plan view of the inner shoe of a harvesting-machine, showing my improvements. Fig. 2 is a section on dotted line *a*, Fig. 1. Fig. 3 is an elevation of the front portion of the shoe as seen from its inner face. Fig. 4 is a section on dotted line *b*, Fig. 1.

The shoe 1 in the main is of an old construction and has the rear end 2, a cutter-bar 3, cutter 4, and pitman 5 connected with the cutter-bar. From the forward portion of the shoe rise two half-bearings 6 and 7. The bearing 6 has a cap 8 and the bearing 7 a cap 9. Screws 10 hold the caps in connection with the bearings. A screw 11 has a reduced end 12, and the end 13 is reduced and sided. The reduced portions of the screw are located in the bearings 6 and 7 and the screw portion occupying the space between the bearings. A block 14 has a screw-threaded opening adapted to receive the screw 11. A shank 15 extends from the block. A yoke 16 has lugs 17 and 18, one lug held in connection with the shank 15 and the other held in connection with the ear 2 by a pin 19. The coupling-bar 20 has a connection with the yoke in any suitable manner. The shoe has a rib 21 extending across it in front of the block 14, and a

bar 22 is located over the block and connecting the caps 8 and 9.

The coupling-bar has a connection with the main frame of the machine in the usual manner, so that it is held transversely of the machine.

By means of a wrench placed on the squared end of the screw 11 the screw is turned, which will move the front end of the shoe toward the main frame of the machine and cause the outer end of the cutter-bar to be carried forward. This movement of the cutter-bar will bring the cutter in line with the pitman in order that proper alinement may be had which will permit the cutter to reciprocate freely through the fingers of the cutter-bar.

The rib 21 and bar 22 hold the block 14 in close connection with the shoe and serve to remove the strain from the screw.

A spring 23 has a connection with the shoe and has an opening adapted to receive the square end of the screw and serves to lock the screw against movement.

I claim as my invention—

1. In a harvesting-machine, an inner shoe, a screw supported by the shoe transverse thereof, a block supported by the screw and a yoke having one end connected to the block, the screw capable of rotation.

2. In a harvesting-machine, an inner shoe, a screw supported by the shoe transverse thereof, a block supported by the screw, a yoke having one end connected to the block, the screw capable of rotation, and means holding the screw against rotation.

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Witnesses:

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