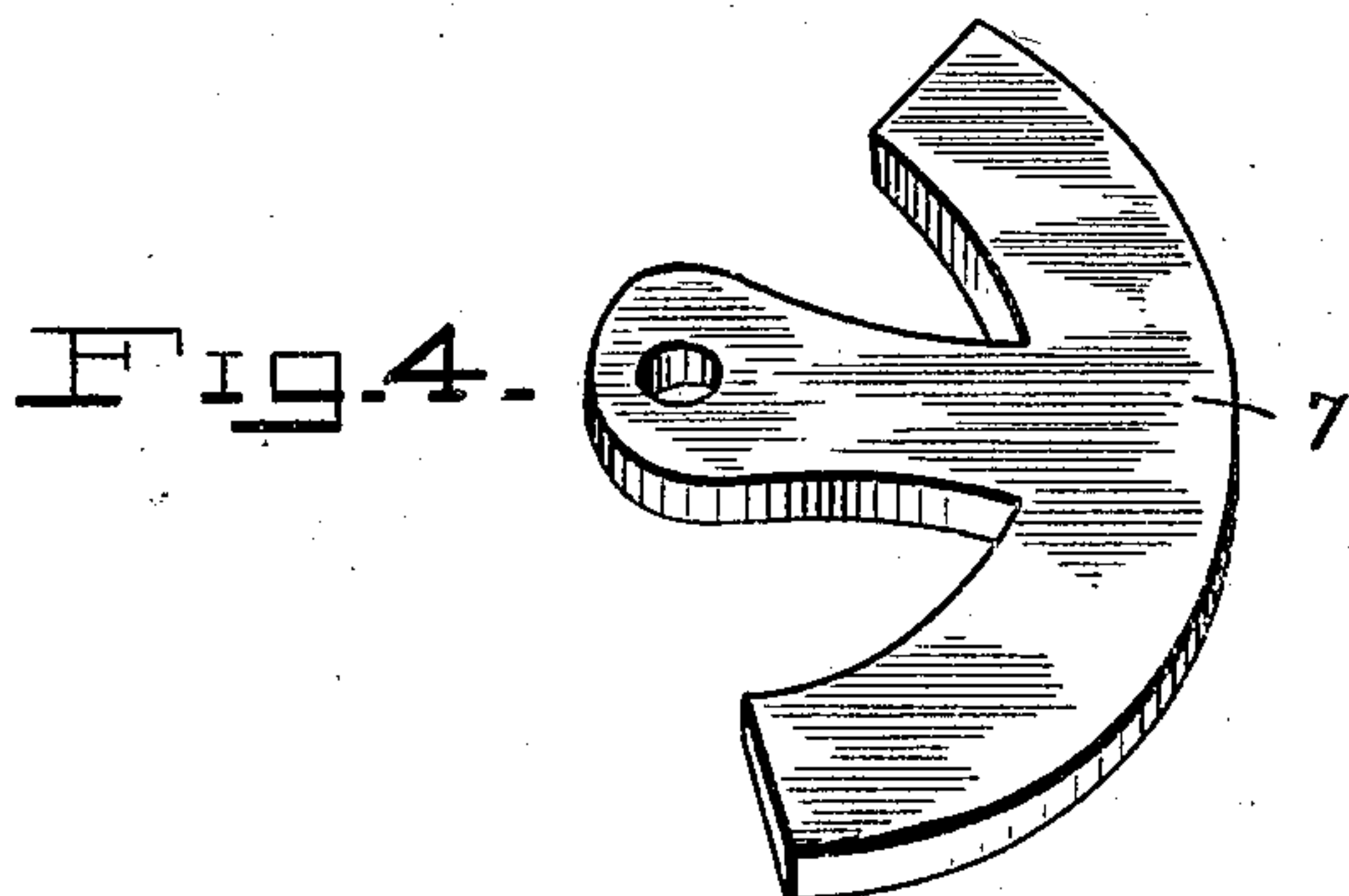
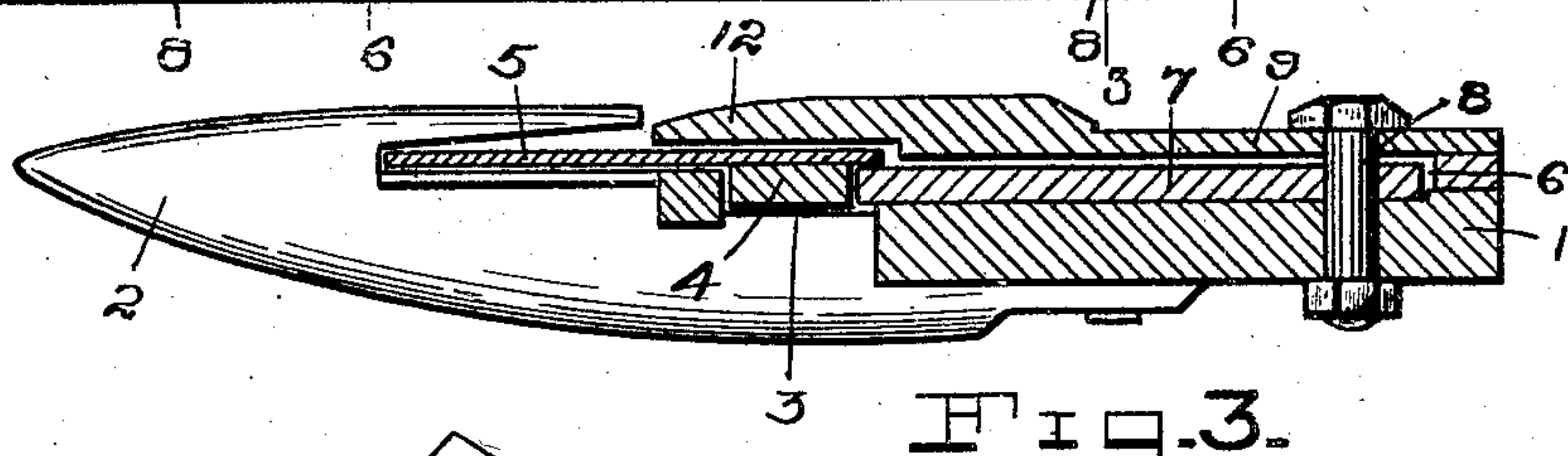
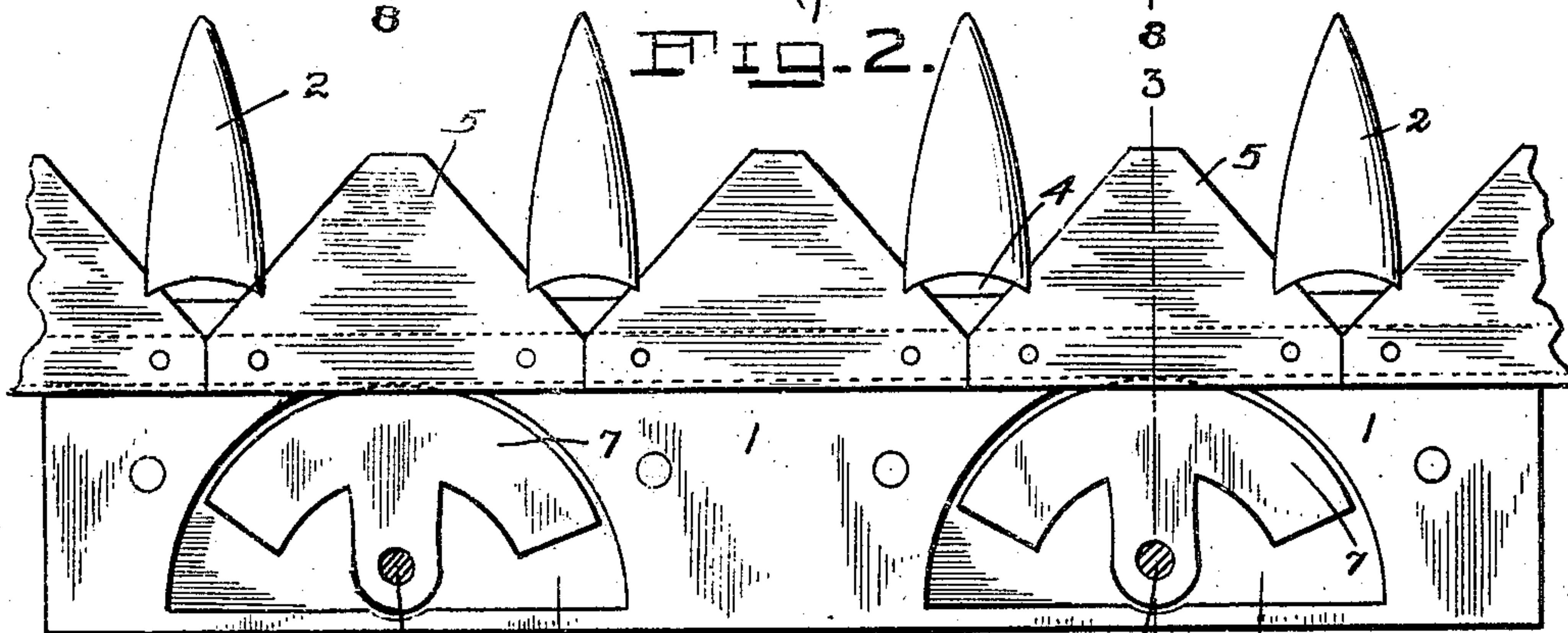
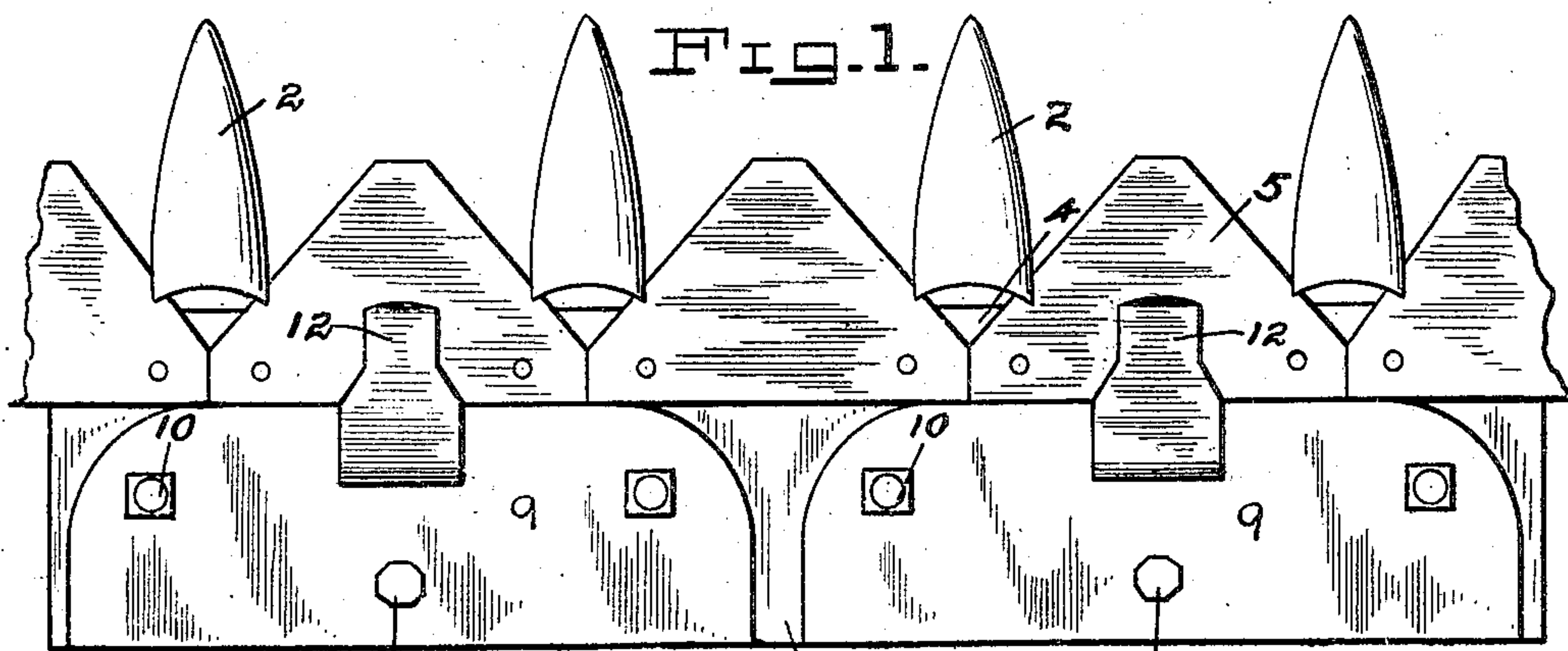


No. 844,950.

PATENTED FEB. 19, 1907.

H. MEHLHORN & J. SHEPARD.  
FINGER BAR FOR MOWING MACHINES.

APPLICATION FILED AUG. 16, 1906.



Witnesses

*Charles Parker.*  
*L. O. Hilton.*

Inventor  
*Henry Mehlhorn.*  
*and J. Shepard.*

by *A. B. Wilson & Co.*  
Attorneys



# UNITED STATES PATENT OFFICE.

HENRY MEHLHORN AND JOSEPH SHEPARD, OP PINE, OREGON.

## FINGER-BAR FOR MOWING-MACHINES.

No. 844,950.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed August 16, 1906. Serial No. 330,868.

*To all whom it may concern:*

Be it known that we, HENRY MEHLHORN and JOSEPH SHEPARD, citizens of the United States, residing at Pine, in the county of Baker and State of Oregon, have invented certain new and useful Improvements in Finger-Bars for Mowing-Machines; and we 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 finger-bars for mowing-machines.

The object of the invention is to provide a finger-bar having applied thereto antifrictional devices by means of which the sickle-bar is guided in its reciprocating movement.

With these 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 claim.

In the accompanying drawings, Figure 1 is a plan view of a portion of a finger-bar constructed in accordance with our invention. Fig. 2 is a similar view with parts removed to disclose the interior arrangement. Fig. 3 is a vertical cross-sectional view on the line 3 3 of Fig. 2, and Fig. 4 is a perspective view of one of the antifrictional bearing-plates for the sickle-bar.

Referring more particularly to the drawings, 1 denotes the finger-bar of a mowing-machine, to which is connected the usual guard-fingers 2. In the upper sides of the guide-fingers 2, adjacent to the forward edge of the finger-bar 3, is formed a guide passage or channel, in which is adapted to reciprocate the sickle-bar 4, upon which is secured the usual cutter-plates 5, said sickle-bar and cutter-plates being reciprocated through the fingers 2 in the usual or any desired manner.

At suitable intervals in the upper side of the finger-bar 3 are formed semicircular recesses or depressions 6, in which are pivotally mounted segmental bearing-plates 7, said plates being provided with an apertured stem 8, by means of which the same are pivotally bolted or otherwise pivotally connected to the finger-bar to oscillate in the recesses 6 formed therein.

Over each of the segmental bearing-plates 7 is a recess cap or cover plate 9, which is adapted to cover the recess 6 in the finger-bar and is secured to the latter by the pivot-

bolt of the bearing-plate 7 and also by additional fastening-bolts 10, arranged at each end thereof and fastened through the finger-bar. On the upper side of each of the cover-plates 9 is a forwardly-projecting guide-finger 12, which is bent over the sickle-bar and serves to hold and guide the same in its reciprocating movement.

In practice as the sickle-bar is reciprocated through the fingers 2 the rear edge of the same will engage the outer edge of the segmental bearing-plates 7, said edge projecting slightly beyond the forward edge of the finger-bar to receive the rear edge of the sickle-plate and to hold the same out of engagement with said edge of the finger-bar, thus preventing friction or wear between said parts and providing a free and easy movement for the sickle-bar.

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.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claim.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a mowing-machine cutting apparatus, the combination of a finger-bar having a recess in its upper side extending to its front edge, a segmental antifriction bearing-plate in said recess, a cap-plate on said finger-bar, covering said recess and said bearing-plate and provided with a forwardly-extending guide-finger, a cutter-bar under said guide-finger and with its rear edge bearing against the front side of the antifriction bearing-plate, and a bolt securing the cap-plate on the finger-bar and passing through and forming the pivot for said bearing-plate, substantially as described.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

HENRY MEHLHORN.  
JOSEPH SHEPARD.

Witnesses:

EGBERT COFFINBERRY,  
ALBERT MELHORN.