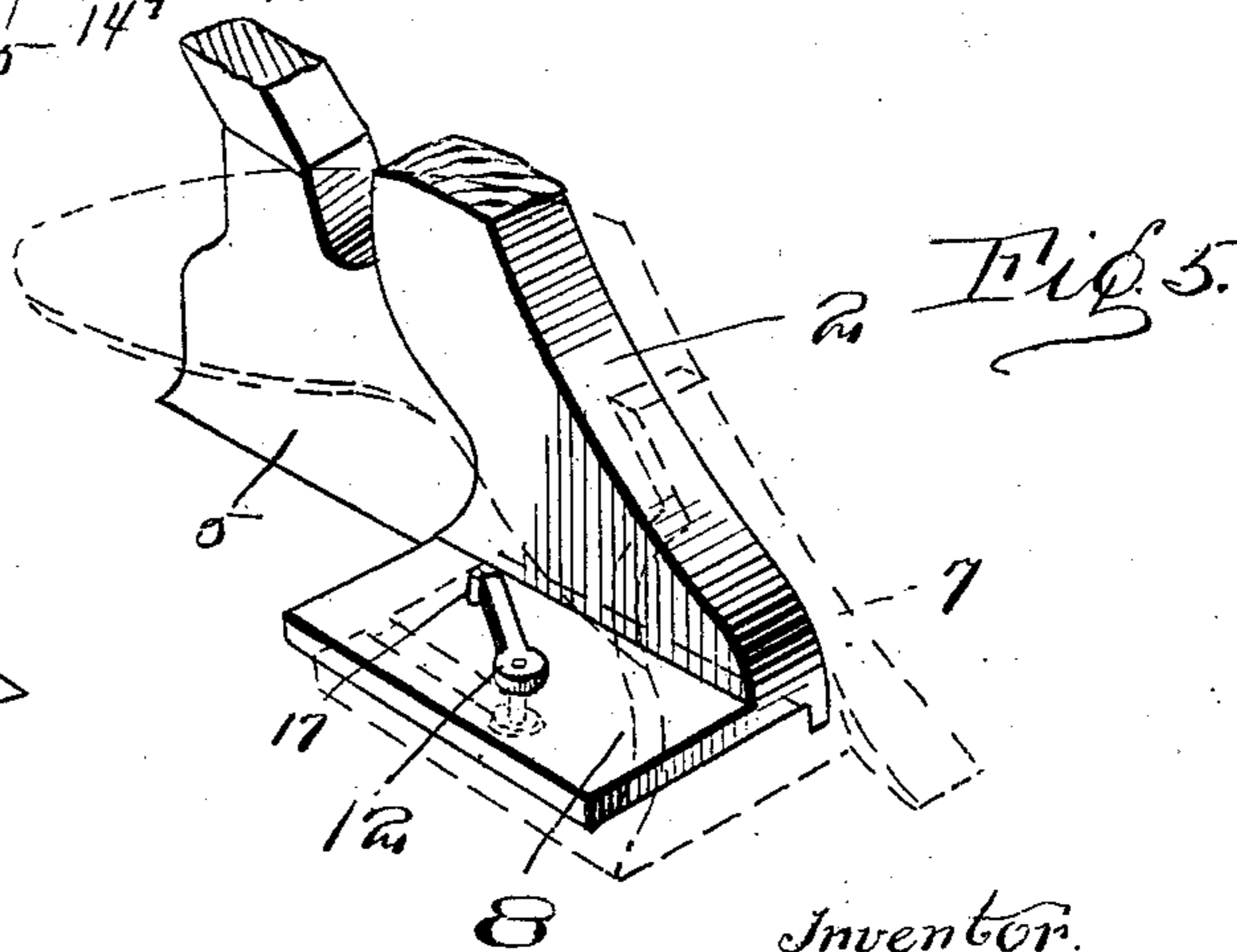
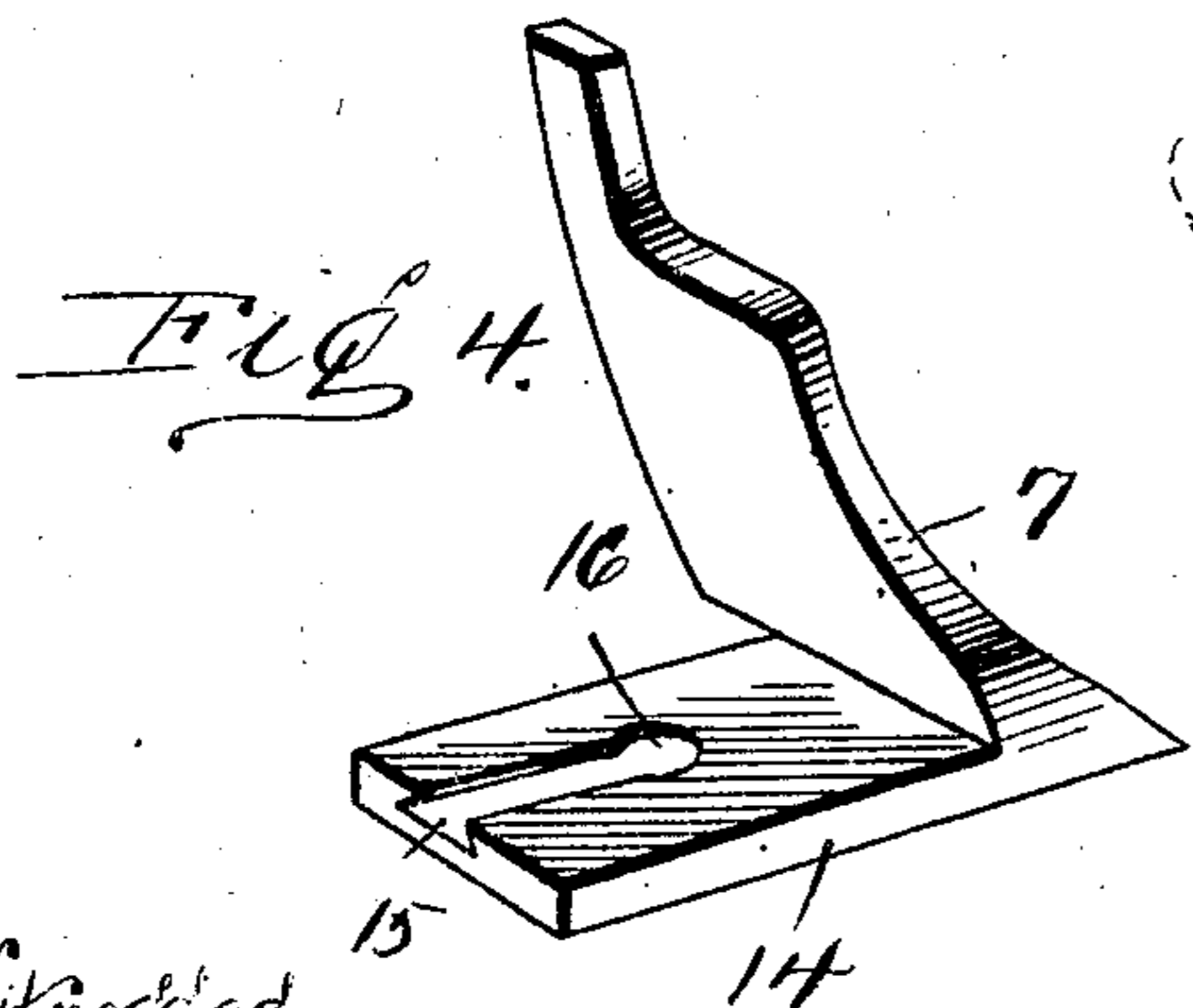
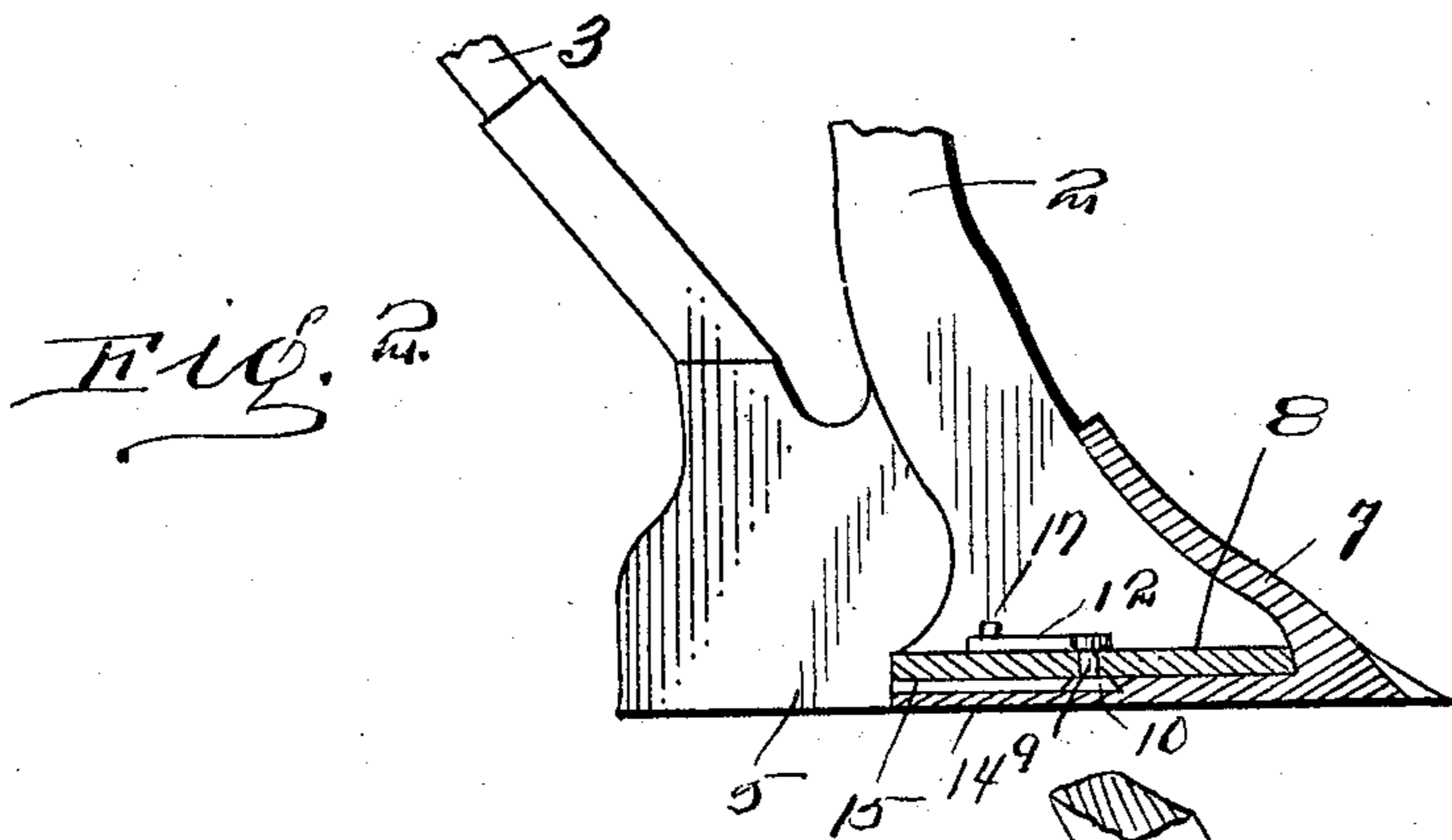
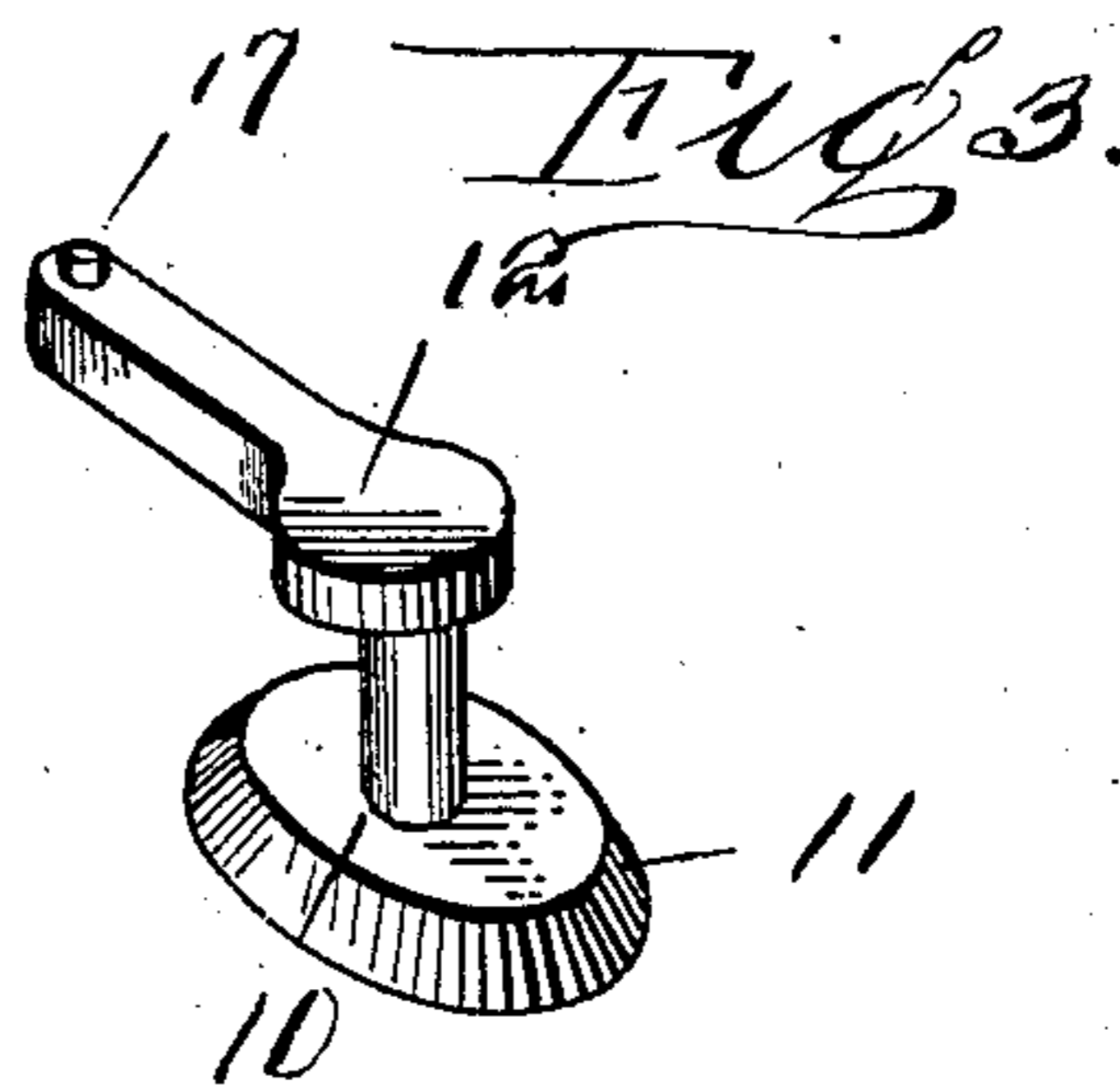
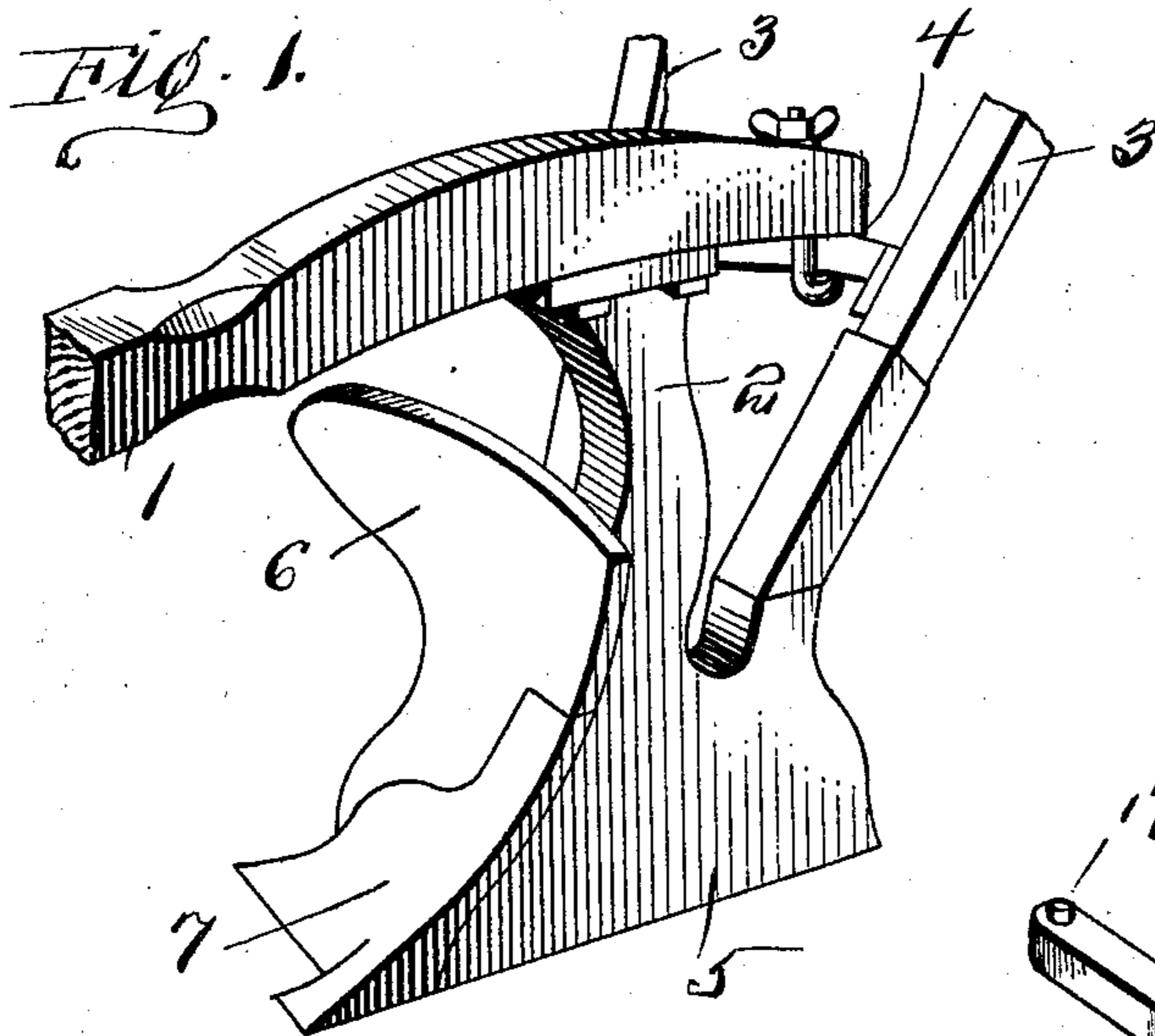


No. 828,132.

PATENTED AUG. 7, 1906.

N. G. MERCER.
ATTACHMENT FOR PLOWS.
APPLICATION FILED MAY 18, 1906.



Witnesses

Samuel C. Payne
J. H. Butler

Inventor.

Norman G. Mercer.

by

H. Ewert & Co.
Attorneys

UNITED STATES PATENT OFFICE.

NORMAN G. MERCER, OF BRIDGEVILLE, PENNSYLVANIA.

ATTACHMENT FOR PLOWS.

No. 828,132.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed May 18, 1906. Serial No. 317,605.

To all whom it may concern:

Be it known that I, NORMAN G. MERCER, a citizen of the United States of America, residing at Bridgeville, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Attachments for Plows, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in plows, and the invention relates more particularly to the point of a plow.

The primary object of this invention is to provide a detachable plow-point which can be easily and quickly attached to a plow. To this end I provide the horizontal portion of a plow-point with a wedge-shaped groove to receive an oval beveled button revolvably mounted in the horizontal portion of the mold-standard of a plow, said button being adapted to firmly hold the plow-point in engagement with the mold-standard in such a manner as to permit it to be readily detached when it is desired to employ a point of another type of construction.

The detail construction of my improved plow will be hereinafter more fully described and claimed, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a perspective view of a portion of a plow constructed in accordance with my invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a perspective view of a button used in connection with the plow. Fig. 4 is a perspective view of a plow-point constructed in accordance with my invention. Fig. 5 is a fragmentary perspective view of a plow, illustrating the mold-standard thereof.

In the accompanying drawings I have illustrated a portion of a plow consisting of a beam 1, a depending mold-standard 2, and handles 3 3, said handles being connected together by a jointer 4. The mold-standard 2 carries an integral landside 5 and a conventional form of moldboard 6.

My invention resides in the plow-point 7, which is detachably connected to the mold-standard 2. The point 7 is constructed of the best grade of iron having strengthening and wearing qualities, and the point may represent a plain, stony-land, or cutter point;

but it is obvious that the points may be made of forged or chilled steel or a similar strong and durable metal.

The horizontal portion 8 of the mold-standard 2 is provided with a revoluble pin 9, carrying a button 10 upon its lower end, said button being oval in plan and provided with beveled edges 11. The upper end of the pin 9 is provided with a suitable crank-handle 12.

The horizontal portion 14 of the point 7 is provided with a wedge-shaped groove 15, which terminates in an oval recess 16.

To lock the point 7 in engagement with the lower end of the mold-standard 2, the point 7 is moved into engagement with the horizontal portion of the mold-standard, the button 11 being received by the groove 15, and when the button rests within the recess 16 the crank-handle 12 is turned to lock the oval-shaped button 10 within said recess, holding the horizontal portion 14 of the point 7 in engagement with the horizontal portion 8 of the mold-standard 2 and preventing the point 7 from becoming detached from the plow.

To lock the crank-handle 12 in a fixed position, the horizontal portion 8 of the mold-standard 2 is provided with an opening registering with a similar opening in the handle 12 to receive a detachable pin 17; but it is obvious that other fastening means may be readily employed for locking the crank-handle 12 in a fixed position.

I do not care to confine myself to the configuration of the plow-point 7 or the type of plow in connection with which it is used, and such changes in the construction of the plow-point as are permissible by the appended claims may be resorted to without departing from the spirit and scope of the invention.

What I claim, and desire to secure by Letters Patent, is—

1. The combination with the mold-standard of a plow, of a point, a horizontal portion carried by said point, and adapted to engage the horizontal portion of said mold-standard, a revoluble oval button carried by said mold-standard, the horizontal portion of said point having a wedge-shaped groove and recess formed therein adapted to receive said button, means to revolve said button, and means to lock the last-named means in a fixed position, substantially as described.

2. The combination with the mold-standard of a plow, said mold-standard having a horizontal portion, of a point, a horizontal

portion carried by said point and adapted to
engage the horizontal portion of said mold-
standard, a revoluble button carried by the
horizontal portion of said mold-standard and
5 adapted to lock said point in engagement
with said mold-standard, substantially as
described.

In testimony whereof I affix my signature
in the presence of two witnesses.

NORMAN G. MERCER.

Witnesses:

MAX H. SROLOVITZ,
E. E. POTTER.