

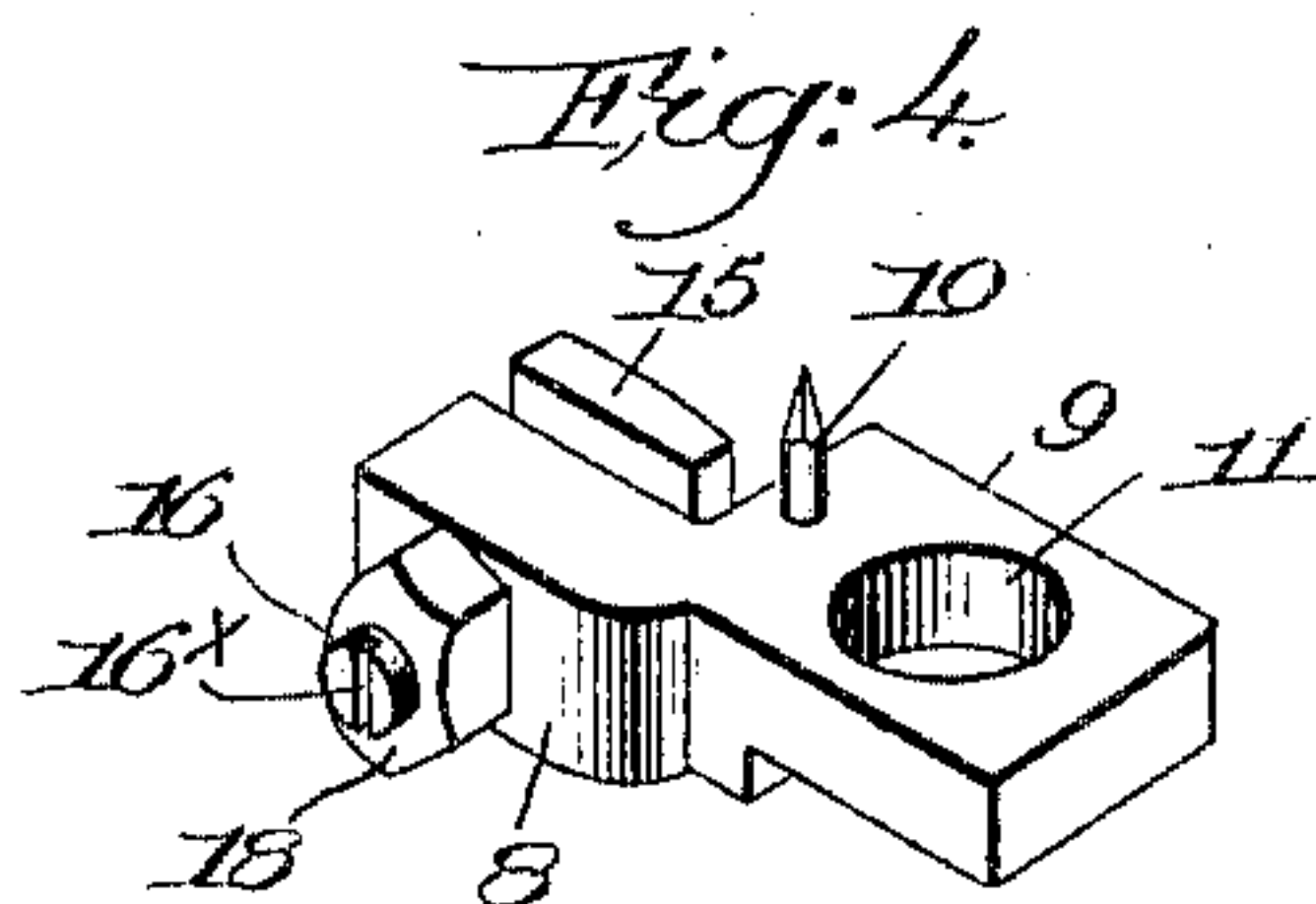
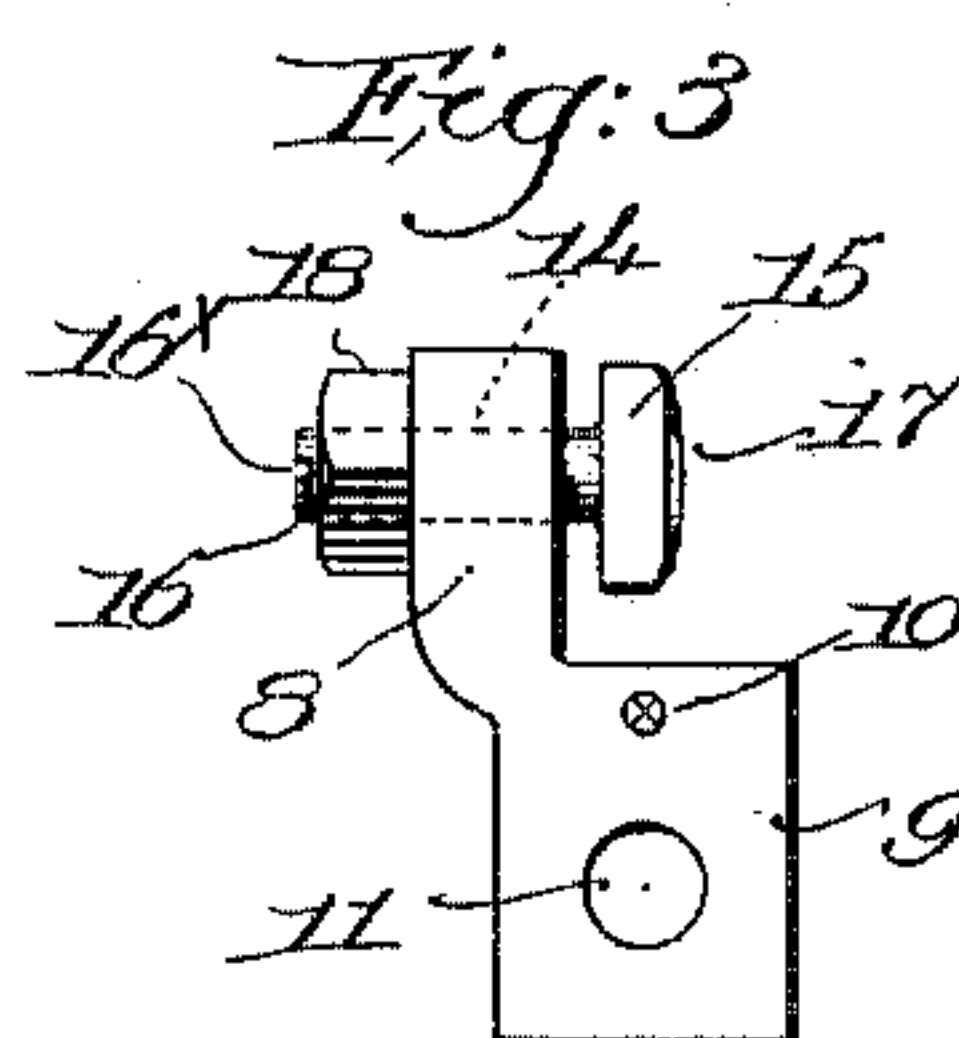
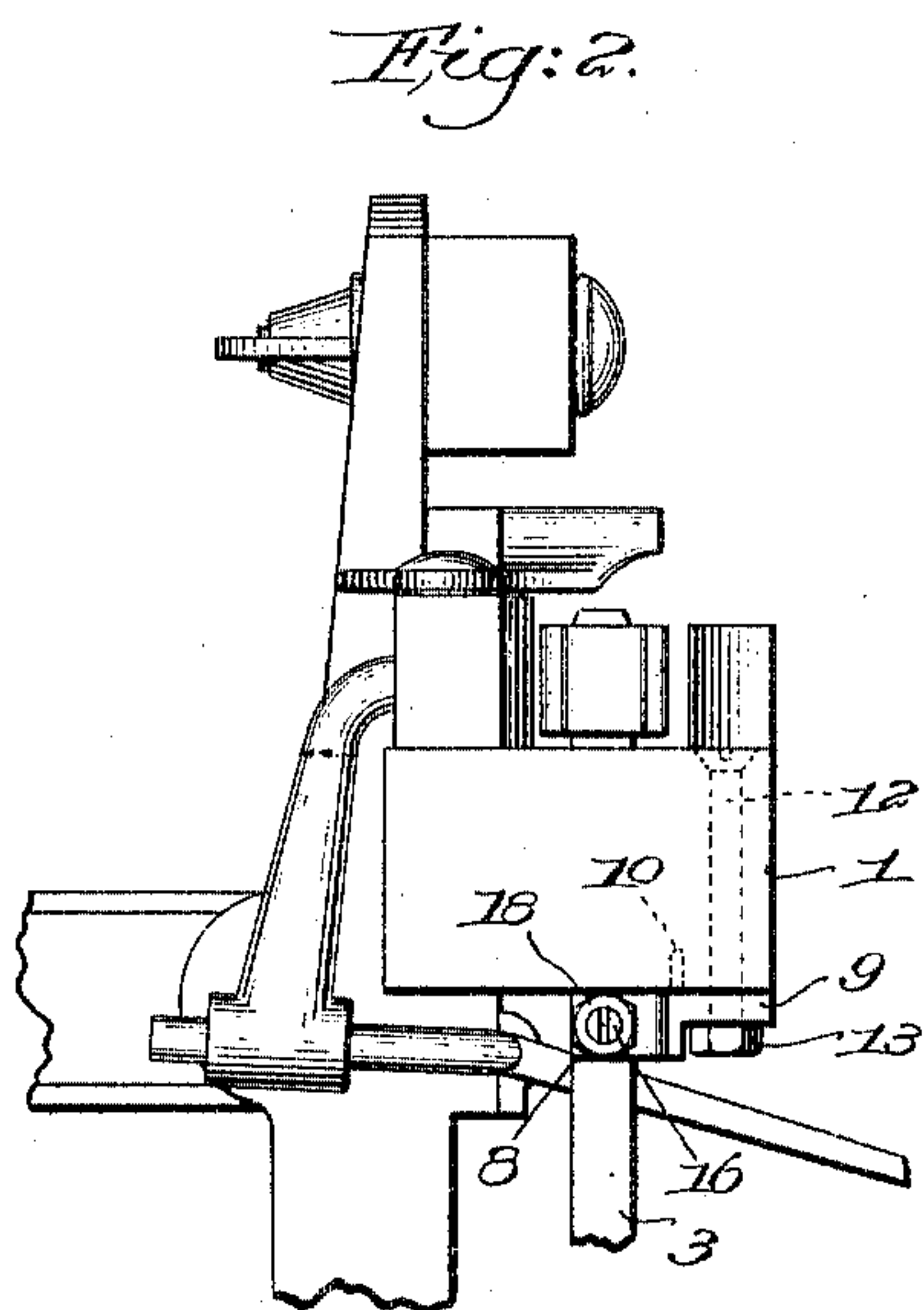
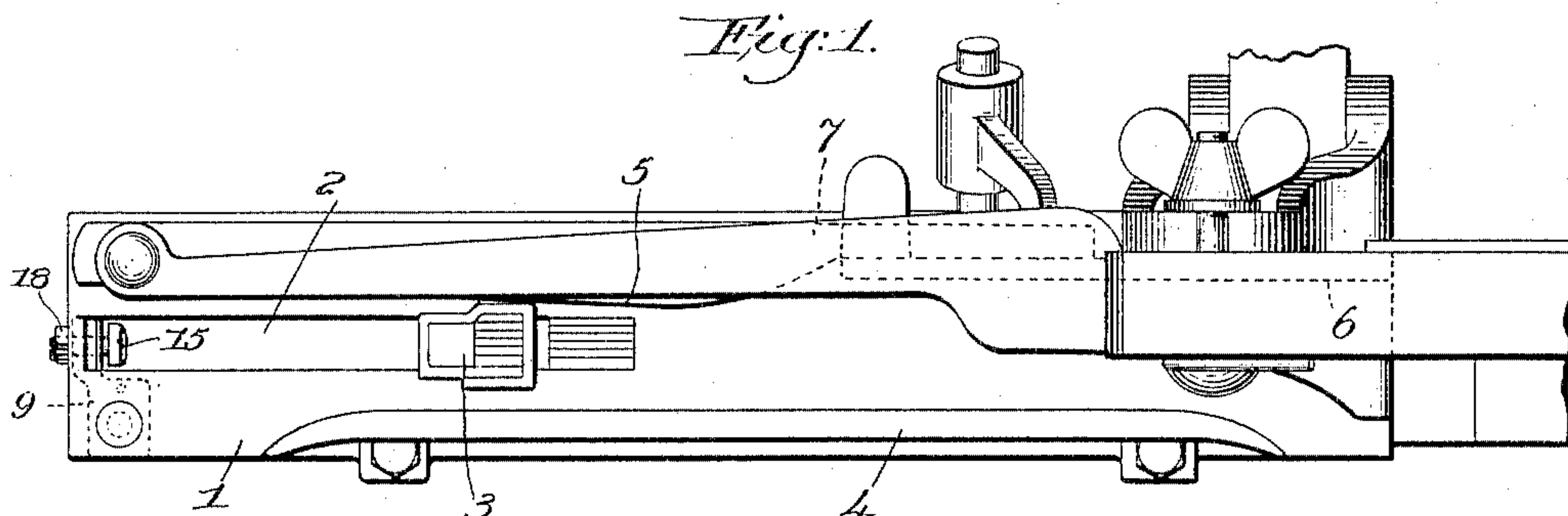
No. 775,886.

PATENTED NOV. 22, 1904.

O. BENSON.  
ADJUSTABLE BACK STOP FOR PICKER STICKS.

APPLICATION FILED JULY 15, 1904.

NO MODEL



Witnesses  
Edward H. Allen  
S. Wm. Lutton

Inventor;  
Omar Benson,  
by Leasby Gregory,  
attys.



# UNITED STATES PATENT OFFICE.

OMAR BENSON, OF NEW BEDFORD, MASSACHUSETTS, ASSIGNOR TO  
DRAPER COMPANY, OF HOPEDALE, MASSACHUSETTS, A CORPORATION OF MAINE.

## ADJUSTABLE BACK-STOP FOR PICKER-STICKS.

SPECIFICATION forming part of Letters Patent No. 775,886, dated November 22, 1904.

Application filed July 15, 1904. Serial No. 216,832. (No model.)

*To all whom it may concern:*

Be it known that I, OMAR BENSON, a citizen of the United States, and a resident of New Bedford, county of Bristol, State of Massachusetts, have invented an Improvement in Adjustable Back-Stops for Picker-Sticks, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention has for its object the production of a novel back-stop adapted to cooperate with and stop the outward stroke of the picker-stick of a loom, means being provided whereby the back-stop may be adjusted to take up wear and to regulate the point at which the picker-stick is to be stopped.

The various novel features of my invention will be fully described in the subjoined specification and particularly pointed out in the following claims.

Figure 1 is a top or plan view of one end of the lay of a loom with one embodiment of my invention applied thereto. Fig. 2 is an end elevation thereof. Fig. 3 is an enlarged plan view of the back-stop detached, and Fig. 4 is an enlarged perspective view thereof.

The lay 1, having a longitudinal slot 2, in which the picker-stick 3 swings inward and outward, the shuttle-box, comprising a front plate 4, top or cover plate 5, back plate 6, and binder 7, may be and are all of well-known or usual construction.

Ordinarily a leather loop is passed around the end of the lay and through the outer end of the slot 2 to form a back-stop for the picker-stick on its outward stroke, such leather loop wearing rapidly and having no adjustment.

In my present invention I mount on the lay in an adjustable manner a back-stop for the picker-stick, said back-stop preferably being made of metal, and by its adjustability the stopping-point of the picker-stick can be regulated with accuracy and wear taken up when necessary.

Referring to Figs. 3 and 4, I have shown a metallic stand 8, having an extension 9 of less thickness than the stand and considerably

wider than the latter, the extension having an upturned sharpened prong 10 and a bolt-hole 11. The stand is applied to the bottom of the lay (see Figs. 1 and 2) in such position that the body portion 8 is at the outer end of and transverse to the slot 2, the prong 10 entering the lay-beam, while a bolt 12, passed downward through the lay and the hole 11 in the extension 9, receives a retaining-nut 13 beneath the extension, clamping the stand securely to the lay. The prong 10 obviates any tendency of the stand to twist or turn around the bolt 12.

A threaded seat 14 (see dotted lines, Fig. 3) is formed in the body of the stand, passing therethrough from its inner to its outer face, and when the stand is clamped on the lay the seat is in alinement with the path of the picker-stick 3.

The back-stop is herein shown as an enlarged metallic head 15, formed on a threaded shank 16, the head having a convex impact-face 17 and located at the inner side of the stand, the shank being screwed into the seat 14.

By turning the back-stop and its shank the back-stop can be adjusted toward or from the center of the loom to vary the stopping-point for the picker-stick on its outward stroke or to take up wear, and when adjusted a check-nut 18 is set up on the outer end of the shank against the body of the stand, locking the back-stop in adjusted position.

If desired, the back-stop may have a polygonal perimeter to facilitate adjustment by a wrench, and so, too, the outer end of the shank 16 may be nicked, as at 16<sup>x</sup>, to receive the blade of a screw-driver for a similar purpose.

The device is simple, strong, and durable and readily adjusted when desired.

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

1. In a loom, a longitudinally-slotted lay, a picker-stick adapted to oscillate in the slot, a back-stop mounted on the lay at the outer end of the path of the picker-stick, and having a non-yielding convex face to receive the blow of the picker-stick, a stand rigidly secured to

the lay and in which the back-stop is adjust-  
ably held, and means to fixedly lock the back-  
stop in adjusted position in the stand.

2. In a loom, a longitudinally-slotted lay, a  
5 picker-stick adapted to oscillate in the slot, a  
stand mounted on the lay at the outer end of  
the slot therein and having a threaded seat in  
alinement with the path of the picker-stick, a  
rigid metallic back-stop having a threaded  
10 shank to be screwed into the seat, and means  
to fixedly lock the shank of the back-stop in  
its seat.

3. In a loom, a longitudinally-slotted lay, a  
picker-stick adapted to oscillate in the slot, a  
15 stand mounted on the lay at the outer end of

the slot therein and having a threaded seat in  
alinement with the path of the picker-stick,  
a prong on the stand to enter the bottom of  
the lay, a fastening-bolt to rigidly connect  
the stand and lay, a metallic back-stop having a 20  
convex face and a threaded shank to screw into  
the seat, and a check-nut to lock the shank in  
adjusted position in its seat.

In testimony whereof I have signed my name  
to this specification in the presence of two sub- 25  
scribing witnesses.

OMAR BENSON.

Witnesses:

GEORGE ENGLAND,  
EDWARD CUNNIFF.