

Oct. 7, 1930.

W. H. BAHAN

1,777,597

LAY PATCH

Filed Feb. 27, 1929

Fig. 1.

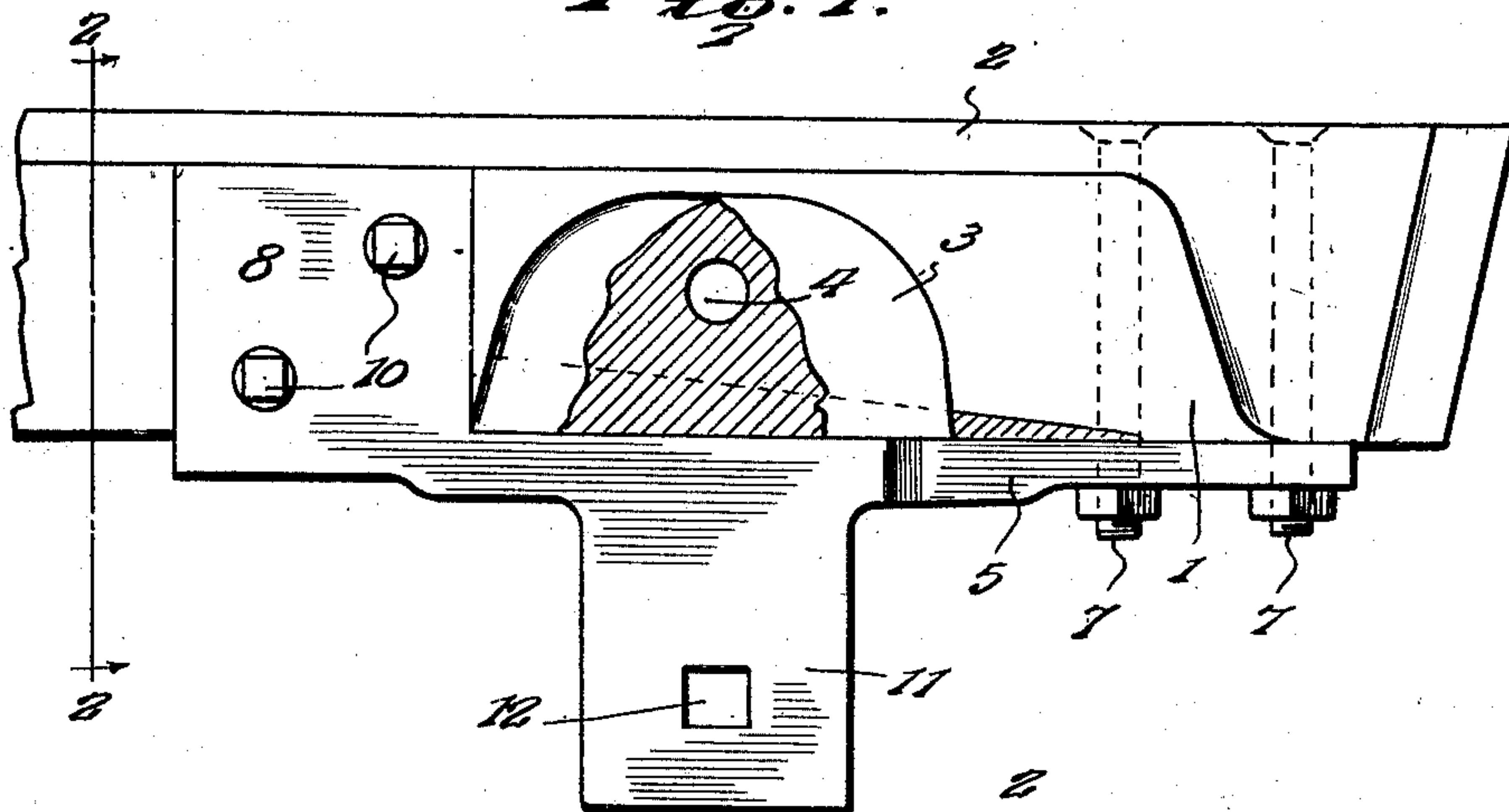


Fig. 2.

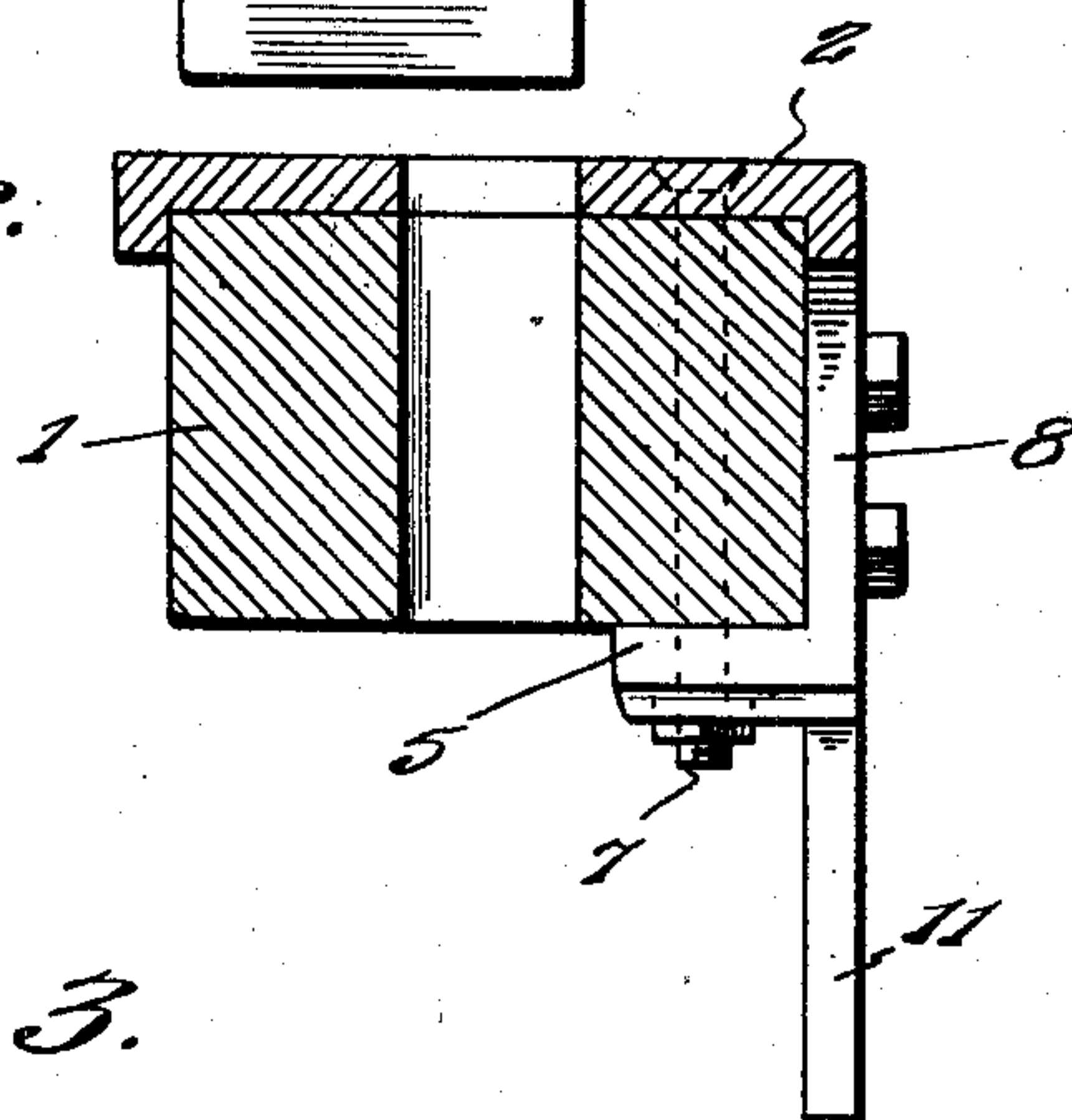
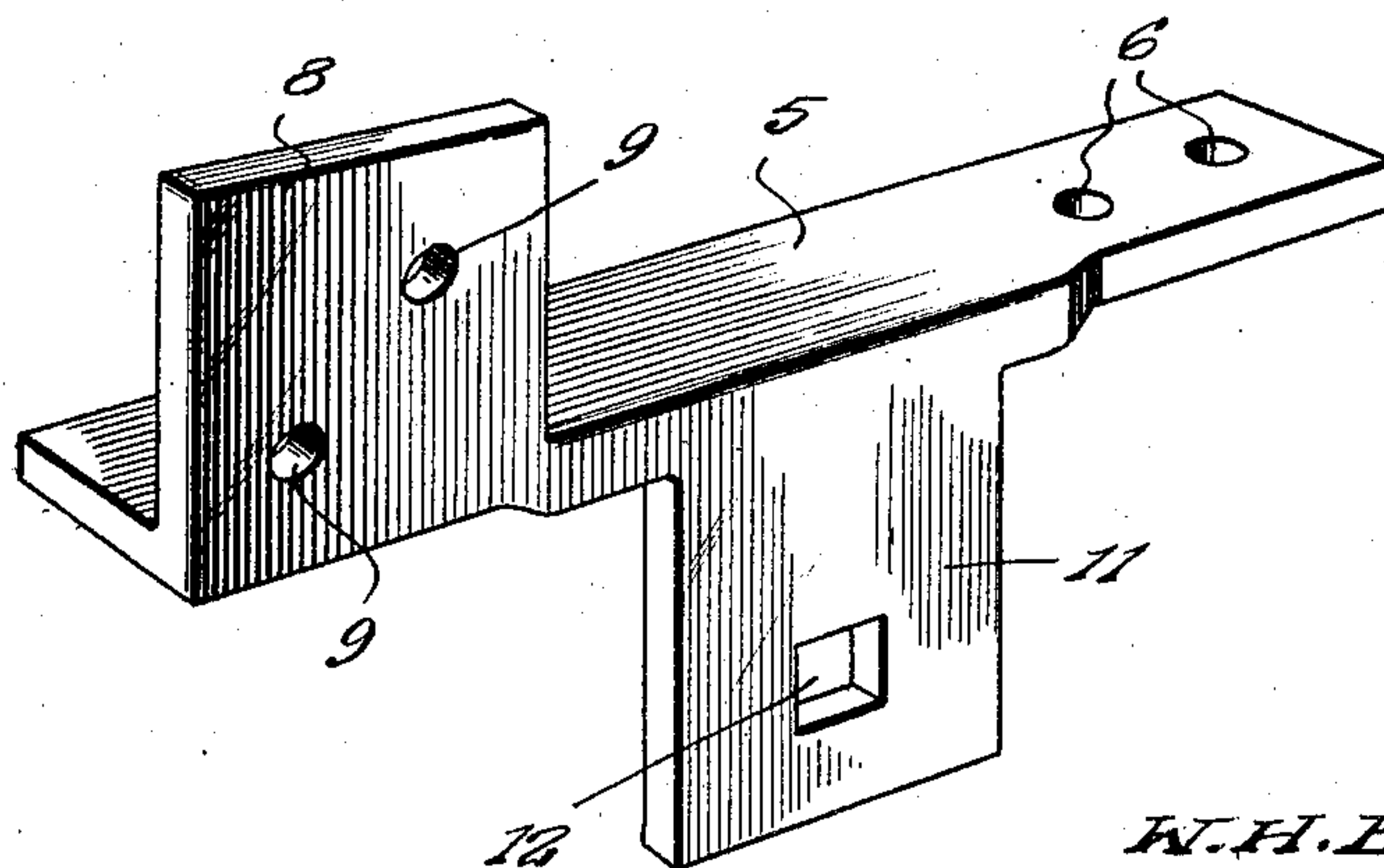


Fig. 3.



Inventor

W. H. Bahan.

By

Lacey, Lacey,

Attorneys

UNITED STATES PATENT OFFICE

WILLIAM H. BAHAN, OF GREENVILLE, SOUTH CAROLINA, ASSIGNOR TO BAHAN TEXTILE MACHINERY COMPANY, OF GREENVILLE, SOUTH CAROLINA, A CORPORATION OF SOUTH CAROLINA

LAY PATCH

Application filed February 27, 1929. Serial No. 343,021.

This invention has reference to lays for looms and has special reference to the means for securing the picker check strap. As now generally practiced, the picker check strap is carried or held by a single plate bracket having its upper end seated in a shallow recess in the side of the lay and secured in the lay by a single bolt. The hard usage and constant jars to which the bracket is subjected in the operation of the loom causes the securing bolt to become loose and frequently results in the bolt being torn out with the result that the picker check bracket is released and the body of the lay is fractured. The present invention provides a device which may be readily applied to a fractured lay for supporting the picker check strap and reinforcing the fractured lay so that it need not be discarded but may be used for an indefinite period. The device constituting the subject-matter of the present invention may, of course, be applied to new lays as original fitting. The invention is illustrated in the accompanying drawing and will be hereinafter fully set forth.

In the drawing:

Figure 1 is an elevation of one end portion of a lay which has been broken by the pulling out of the usual bracket and to which the patch of the present invention is applied.

Fig. 2 is a transverse section on the line 2—2 of Fig. 1, and

Fig. 3 is a detail perspective view of the lay patch.

Referring more particularly to the drawing, the numeral 1 indicates the slotted body of the lay and 2 indicates the race plate secured over the upper edge and around the end of the lay in a well known manner. At 3 is indicated the recess in which the usual bracket has its upper end seated and 4 designates the hole through which the single securing bolt is usually inserted.

The device of the present invention consists of a bracket having a base 5 which is somewhat extended and is adapted to fit against the under side of the lay, as shown clearly in Fig. 2. At one end this base 5 is provided with openings 6 adapted to receive

the ends of the usual bolts 7 which secure the race plate in place upon the lay while at the opposite end of the base 5 a lug 8 projects upwardly therefrom at the outer edge thereof to fit against the outer side of the lay, as will be understood upon reference to Figs. 1 and 2. One or more openings 9 are formed through the lug 8 to receive screws or bolts 10 which pass through the openings into the side of the lay so that the patch is secured to the lay at its opposite ends and at separated points of the lay so that it will be very securely held in place and will effectually resist the jars and shocks to which it is subjected in use. The intermediate portion of the base is thickened between the lug 8 and inner opening 6 to give added strength beneath the broken portion of the lay and from the outer side edge of this thickened portion extends a depending lug formed with an opening 12 intended to receive a bolt for securing a picker check strap in place. The depending lug 11 as well as the upstanding lug 8 have their outer faces flush with the edge of the base 5 so that they will offer no projections liable to catch in the clothing of the operator or be apt to be broken off by chance blows. The patch bears against the bottom of the lay so that it reinforces the lay and extends across the fractured portion of the same, thereby providing a support for said portion so that the lay need not be discarded but may be used for an indefinite period as successfully as it was used before the fracture. Inasmuch as the base member of the patch has an extended bearing against the under side of the lay, it is enabled to more effectually resist the jars imposed upon the same and the picker check strap so that its use will be found highly advantageous.

Having thus described the invention, I claim:

A lay patch comprising a strip constituting an elongated base and having a flat upper surface, fastener receiving openings being formed in one end portion of the base strip whereby the base may be firmly secured against the under face of a lay, a lug extending upwardly from the other end of said base strip along the outer side edge thereof

to bear against a side face of a lay, said lug
having fastener receiving openings formed
therein whereby the lug may be firmly se-
cured against the side face of the lay, the
5 portion of the base strip between the lug
and fastener receiving openings in the other
end portion of the strip being thickened to
reinforce the portion of the base disposed
beneath a break in a lay when the patch is
10 secured thereto, and a lug extending down-
wardly between ends of the thickened por-
tion of the base along the outer side edge
thereof and formed with an opening to re-
ceive a fastener for securing a picker check
15 strap to the depending lug.

In testimony whereof I affix my signature.

WILLIAM H. BAHAN. [L. s.]

20

25

30

35

40

45

50

55

60

65