

F. C. HAYES.
 GUARD PLATE FOR SHEARING MACHINE CUTTERS.
 APPLICATION FILED APR. 6, 1912.

1,049,232.

Patented Dec. 31, 1912.

Fig. 1.

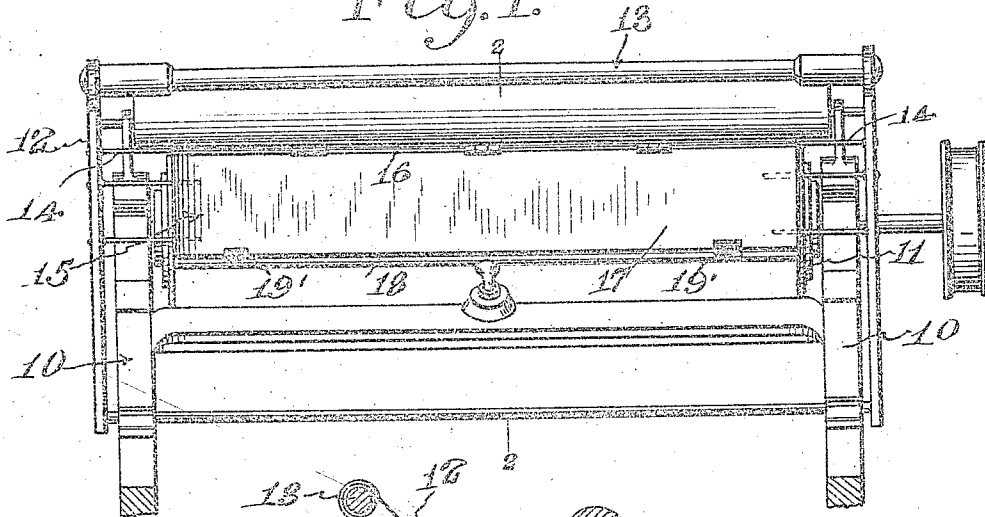


Fig. 2.

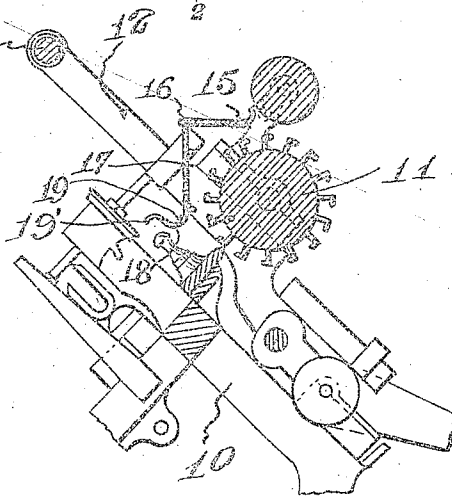
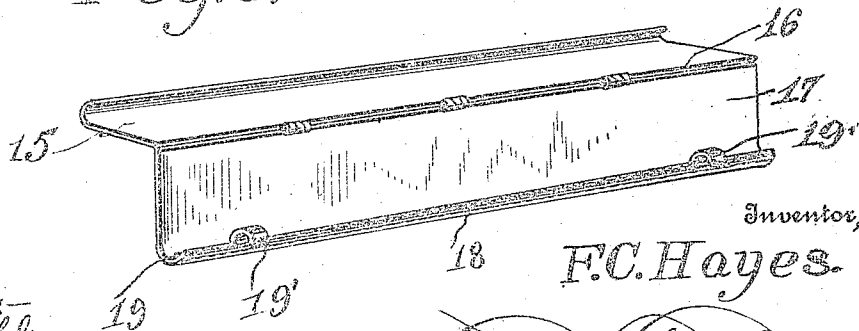


Fig. 3.



Witnesses:—
 J. P. Mahler
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 By *[Signature]*
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UNITED STATES PATENT OFFICE.

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GUARD-PLATE FOR SHEARING-MACHINE CUTTERS.

1,049,232.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed April 6, 1912. Serial No. 689,066

To all whom it may concern:

Be it known that I, FRANK C. HAYES, a citizen of the United States, residing at Peace Dale, in the county of Washington, State of Rhode Island, have invented certain new and useful Improvements in Guard-Plates for Shearing-Machine Cutters; and I do hereby 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 cloth shearing machines, and has particular reference to a guard for the cutters therefor.

The principal object of the invention is to provide a simple guard plate to protect the hands of the operator from contact with the shearing blades.

Other objects and advantages will be apparent from the following description and with particular reference to the accompanying drawings.

In the drawings: Figure 1 is a front elevation of the shearing cutter blade showing the adjacent portions of the frame of the machine to which the cutter is attached, Fig. 2 is a vertical transverse section on the line 2—2 of Fig. 1, and Fig. 3 is a perspective view of the guard detached.

Referring particularly to the drawings, 10 represents the frame of the shearing machine, in which is rotatably mounted the cutter 11, said cutter being mounted on a vertically moving frame 12, and adapted to be raised and lowered by means of the handles 13. Secured to the frame by means of the braces 14 is an elongated plate 15. Hinged to the lower longitudinal edge 16 of the plate is a movable portion 17, the lower edge portion of which is turned up-

wardly as indicated at 18, the said turned up portion having an elongated slot practically the entire length thereof as indicated at 19, said slot being adapted for insertion of a sheet of paper for testing the operation of the cutters. On each end of the pivoted portion of the plate is arranged a handle 19', which the operator may grasp to arrange the movable portion of the plate to gain access to the cloth in adjusting the machine, or in the event of some unevenness, or error in the work of the machine.

It sometimes happens that when the operator makes a sudden reach for the handle of the cutter to raise the same and permit the seam of the cloth to pass thereunder, he fails to grasp the handle and his hand comes in contact with the cutter, which seriously injures the hand if it does not completely remove the fingers. Now my invention is particularly designed to overcome this difficulty and protect the hands of the operator, so that should he miss the handle when suddenly reaching for the same, his hand would come in contact with the guard plate and no injuries result.

What is claimed is:

An attachment for cloth shearing machines comprising a guard plate rigidly and detachably mounted over the cutter of the machine, and a hinged plate forming a part of the guard, said hinged plate having an upturned lower edge portion provided with an elongated slot.

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

FRANK C. HAYES.

Witnesses:

ROWLAND HAZARD,
FREDERICK A. BROWN.