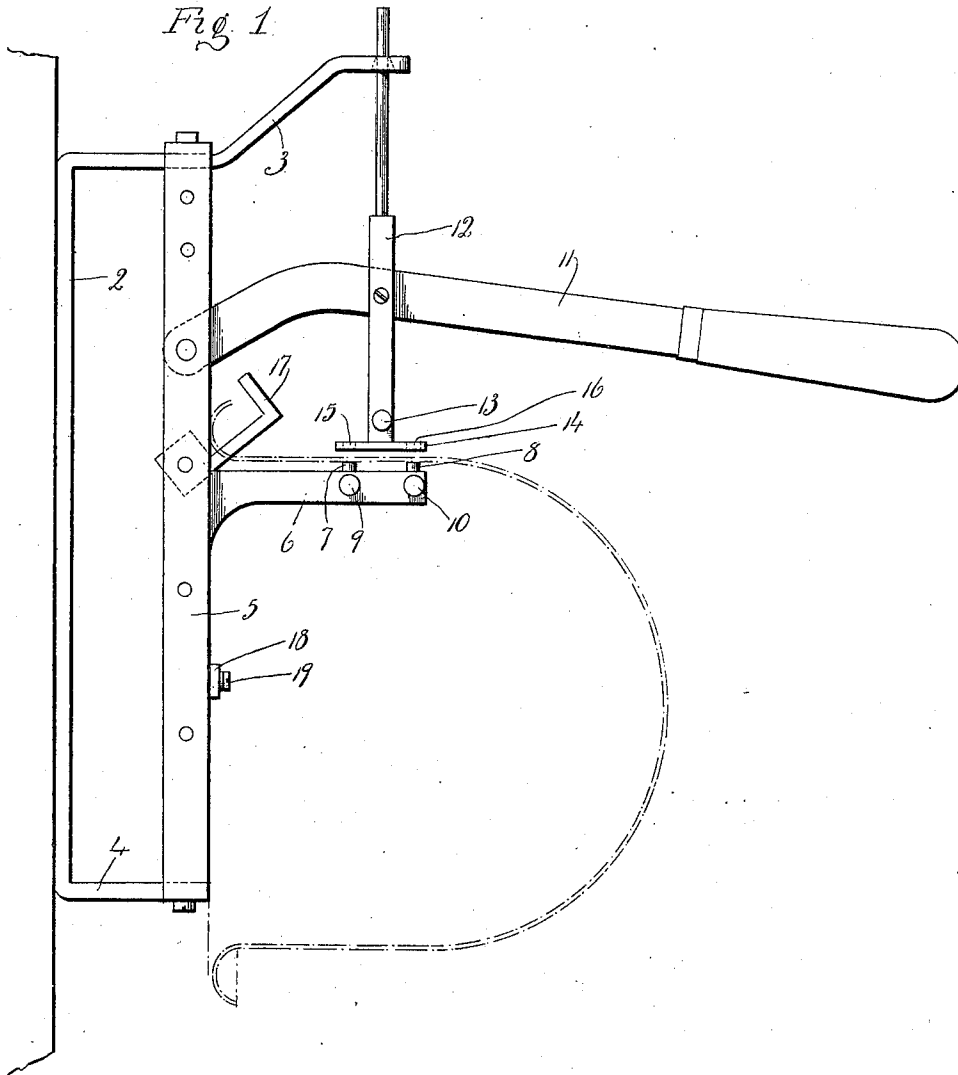


G. W. HINDINGER.
MACHINE FOR PUNCHING HATS.
APPLICATION FILED FEB. 7, 1910.

996,338.

Patented June 27, 1911.

2 SHEETS—SHEET 1.



Witnesses
C. J. Reed
C. L. Reed

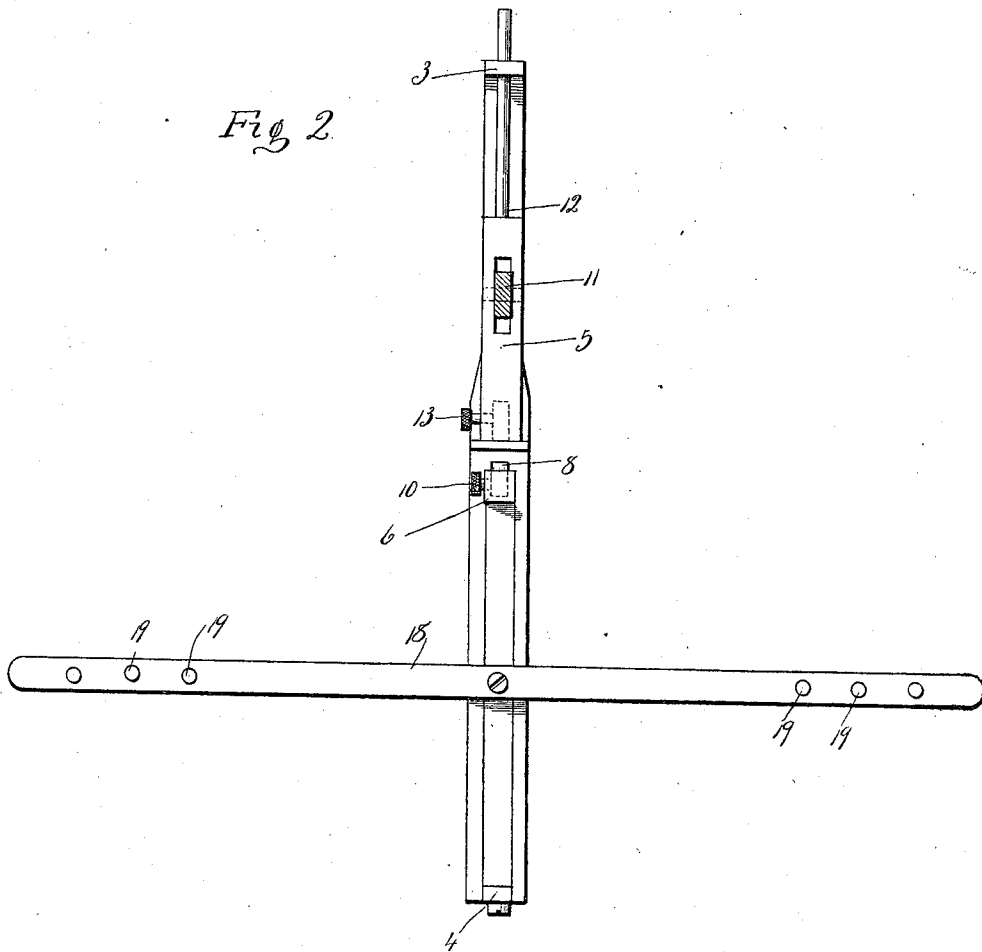
Inventor
George W. Hindinger
by Seymour T. Carr
Attys

G. W. HINDINGER.
MACHINE FOR PUNCHING HATS.
APPLICATION FILED FEB. 7, 1910.

996,338.

Patented June 27, 1911.

2 SHEETS—SHEET 2.



Witness
C. J. Reed
C. L. Reed

Inventor
George W. Hindinger
by Seymour H. Carey
Atty

UNITED STATES PATENT OFFICE.

GEORGE W. HINDINGER, OF HAMDEN, CONNECTICUT.

MACHINE FOR PUNCHING HATS.

996,338.

Specification of Letters Patent. Patented June 27, 1911.

Application filed February 7, 1910. Serial No. 542,579.

To all whom it may concern:

Be it known that I, GEORGE W. HINDINGER, a citizen of the United States, residing at Hamden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Machines for Punching Hats; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view of a hat punch constructed in accordance with my invention. Fig. 2 a front view of the same with the lever broken away.

This invention relates to an improvement in machines for punching hats, and particularly to punching hats for eyelets.

Many men desire their hats to be ventilated, and for this purpose one or more eyelets are inserted into the sides of the crown; but as all wearers do not wish these eyelets, the hats are not provided with them as they come from the factory, but the eyelets are inserted by the dealer.

The object of this invention is to provide a simple apparatus by which hats may be punched for the insertion of eyelets; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out my invention I employ a bracket or support 2 adapted to be secured to a wall or other convenient point, this bracket having an upwardly extending arm or guide bar 3 and a short arm 4 as a support for a vertical post 5, this vertical post being preferably formed from two strips of metal bolted together so as to form a space or slot between them. Projecting outward from the post is an anvil 6 carrying in its upper face two dies 7 and 8 corresponding in size to the size of the hole to be punched, and held in place by thumb screws 9 and 10 so that they may be readily removed and replaced by others of different size. Pivottally mounted in the post 5 above the anvil 6 is an operating lever 11 and pivoted to the lever is a spindle 12, the upper end of which extends through the upper arm 3 of the bracket by which it is guided and owing to the fact that the upper arm 3 or guide-bar is remote from the die, and that the lever is pivoted to the spindle and to the

bracket or support intermediate of the anvil and guide-bar, the spindle or plunger 12 will swing freely away from the die when the lever is raised and be moved against the die when the lever is depressed. Mounted in the lower end of the spindle and secured by a thumb nut 13 is a plunger 14 having holes 15, 16, corresponding to the size of the punches 7 and 8. Pivottally mounted in the post 5 in line with the anvil 6 is a depth gage 17 which may be turned down onto the anvil 6 or turned back out of line with the post. Adjustably mounted in the post below the anvil is a centering gage 18 consisting of a long strip which projects on opposite sides of the post and which has buttons, studs or other indicating devices 19 at its ends.

The ventilating holes in the hat are usually made in opposite sides, and it is desirable that they should be in the center of the side and in a vertical line.

The lever 11 is raised, which lifts the plunger, and owing to the form of the lever, point of pivoting, and fact that the upper end is guided, will move it upward and backward. A hat to be punched is then placed upon the anvil and so that its brim will rest against the post 5 or against the depth gage 17. This gage 17 is pivoted to the post 5 at the inner end of the anvil and adapted to be turned so that the brim of the hat will rest against it or to be turned into the slot in the post so that it will be out of the way and permit the brim to rest against the post. The front and back of the brim are then brought into alinement with the center gage 18, and the buttons or studs 19 assist the eye in centering the hat over the dies. The lever 11 is then depressed which brings the plunger over and in line with the dies and forces the dies through the hat, cutting two holes which will be in a vertical line and at the center of the side, and the hat may then be turned and two corresponding holes punched in the opposite side. If but one hole is desired, one of the dies may be readily removed and a single hole punched. When the hat is punched the eyelets which come for that purpose are readily snapped into place.

I claim:—

1. A hat punch comprising a support, an anvil projecting therefrom, a die mounted on the anvil, a spindle carrying a plunger, a guide-bar carried by the support remote from the die, and a lever pivoted to the

support and spindle intermediate of the anvil and guide whereby the plunger may be moved against and freely apart from the die.

2. A hat punch comprising a support, an
5 anvil projecting therefrom, a die mounted on the anvil, a spindle carrying a plunger, a guide-bar carried by the support remote from the die, and a lever pivoted to the support and spindle intermediate of the anvil
10 and guide whereby the plunger may be moved against and freely apart from the

die, and a depth-gage pivoted to a post above said anvil and adapted to swing in a vertical plane between said anvil and post.

In testimony whereof, I have signed this
specification in the presence of two subscrib- 15
ing witnesses.

GEORGE W. HINDINGER.

Witnesses:

ARTHUR T. MUNSON,
H. GRANVILLE ECKERT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
