

J. McP. COOKE.
GAGE ATTACHMENT FOR BUTTONHOLE MACHINES.
APPLICATION FILED SEPT. 23, 1910.

1,010,865.

Patented Dec. 5, 1911.

Fig. 1.

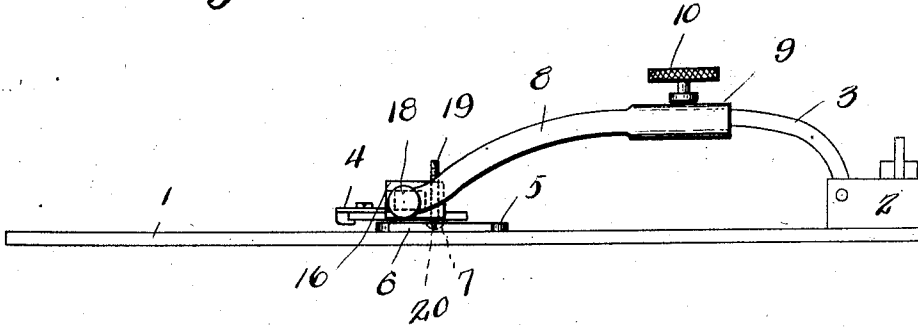


Fig. 2.

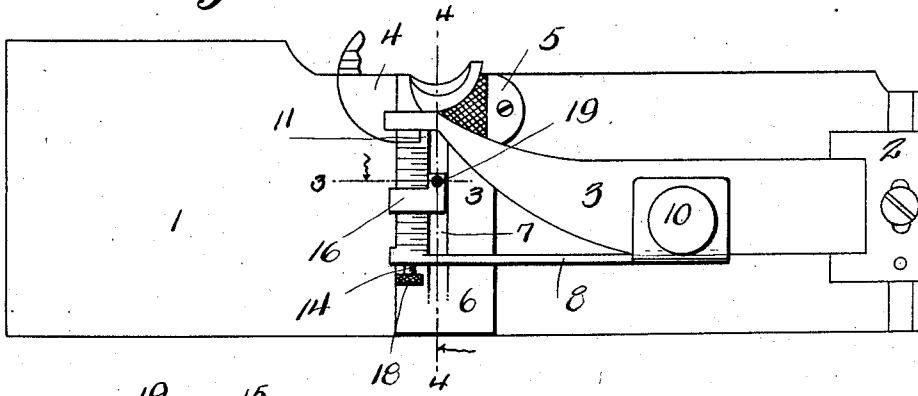


Fig. 3.

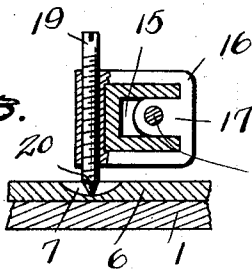


Fig. 4.

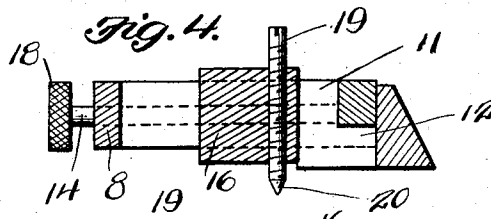


Fig. 5.

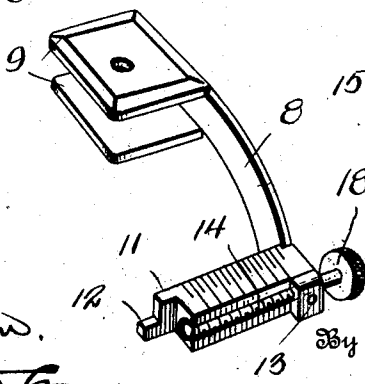
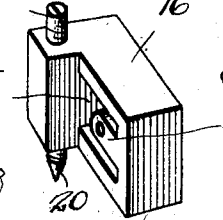


Fig. 6.



Witnesses
C.C. Richardson.
Edw. W. Austin Jr.

Inventor
John McP. Cooke
By Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

JOHN McP. COOKE, OF HIGHLAND SPRINGS, VIRGINIA.

GAGE ATTACHMENT FOR BUTTONHOLE-MACHINES.

1,010,865.

Specification of Letters Patent.

Patented Dec. 5, 1911.

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To all whom it may concern:

Be it known that I, JOHN McP. COOKE, a citizen of the United States, residing at Highland Springs, in the county of Henrico and State of Virginia, have invented new and useful Improvements in Gage Attachments for Buttonhole-Machines, of which the following is a specification.

This invention relates to gage attachments for button hole machines.

Heretofore, in the operation of sewing button holes in the uppers of shoes it has been necessary for one operative to mark the points where the button holes are to be placed.

It is the object of the invention to dispose with the services of this operative and broadly speaking consists in an adjustable marking gage which is conveniently attached to the presser arm of the machine.

A further object of the invention is the provision of a marker of this character which may be adjusted so as to gage the position of the button holes to any desired distance apart.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing which forms a part of this application, and in which:

Figure 1 is a side elevation. Fig. 2 is a top plan view. Fig. 3 is a detail section on the line 3—3 of Fig. 2. Fig. 4 is a section on the line 4—4 of Fig. 2. Fig. 5 is a perspective view of the attachment removed from the presser arm. Fig. 6 is a detail perspective view of the pin holding slide removed from the attachment.

Referring more particularly to the drawing 1 represents a base plate which has adjustably mounted thereon a pivoting block 2 upon which the presser arm 3 is pivoted. This presser arm carries a presser foot 4 all of which is common in the Reece button hole machine 655,637 of August 7, 1910, for which this attachment is adapted. The presser foot is normally thrown into engagement with a friction plate 5 and in this instance the friction plate is provided with an extension 6 having a longitudinal groove 7 therein for a purpose to be hereinafter described.

The attachment comprises an arm 8 having laterally extended clamping ears 9 which are adapted to straddle the arm 3. The

upper ear is provided with a threaded opening in which a set screw 10 is mounted and adapted to engage the upper surface of the arm 3 to clamp the attachment thereon in adjusted position. The arm 8 extends outwardly and downwardly and is provided at its outer end with a lateral leg 11 which is adapted to abut against the adjacent side of the presser arm 3. An extension 12 on the leg is adapted to be engaged beneath the presser arm in order to prevent the leg 11 from rising as will hereinafter be explained. A lateral extension 13 on the leg 11 is provided with a smooth opening in which is journaled an adjusting screw 14 whose threaded portion lies within a channel 15 formed in the outer side of the leg 11.

Slidably mounted upon the leg 11 is a pin holding block 16 having an inwardly projecting ear 17 which extends into the channel 15 and is threaded to receive the screw 14 so that the block may be adjusted to and fro on the leg. The outer end of the screw is provided with a milled nut 18 for turning the same.

Threaded into an extension of the block 16 is a punching pin 19 which is provided with a pointed end 20 and is operated to adjust its position within the block by a screw driver or like tool which engages the kerf in the upper end. The adjusting screw 14 moves the block 16 longitudinally of the leg and the screw 19 may be adjusted vertically so as to secure light and heavy punching. As the presser foot is brought down into engagement with the leather upon the friction plate 5, the pin passes through the leather and enters the recess 7 thus marking the position of the next button hole. When the presser foot is raised the upper is moved until the mark made by the point 20 is properly positioned with relation to the presser foot when the presser foot is again thrown into position to hold the upper for sewing and another mark is made by the point 20.

Having thus described the invention, what is claimed is—

1. The combination with a base plate, of a button hole machine, and a pivoted oscillatable presser arm and foot, thereon, of an attachment comprising a supporting member adjustably mounted upon the arm and having a lateral leg, of a punch holding block adjustably mounted upon the lateral

leg, and a punch adjustably mounted in said block substantially in line with the movement of the presser foot.

2. The combination with a pivoted oscillatable presser arm and foot, of an attachment therefor comprising a supporting member mounted upon the presser arm and having a lateral leg, means on the lateral leg to engage the presser arm to prevent raising of said leg, a punch holding block adjust-

ably mounted upon the lateral leg, a punch adjustably mounted in said block, and a plate carried by the base plate and having means to receive the punch.

In testimony whereof I affix my signature 15
in presence of two witnesses.

JOHN McP. COOKE.

Witnesses:

GEO. E. HAW,

JOHN B. WELSH.

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