G. BRAF.

MACHINE FOR MARKING THE POSITION OF BUTTONS AND BUTTONHOLES IN GARMENTS.

APPLICATION FILED JUNE 1, 1916.

1,272,610.

Patented July 16, 1918.

2 SHEETS—SHEET 1.

Fig. 1.

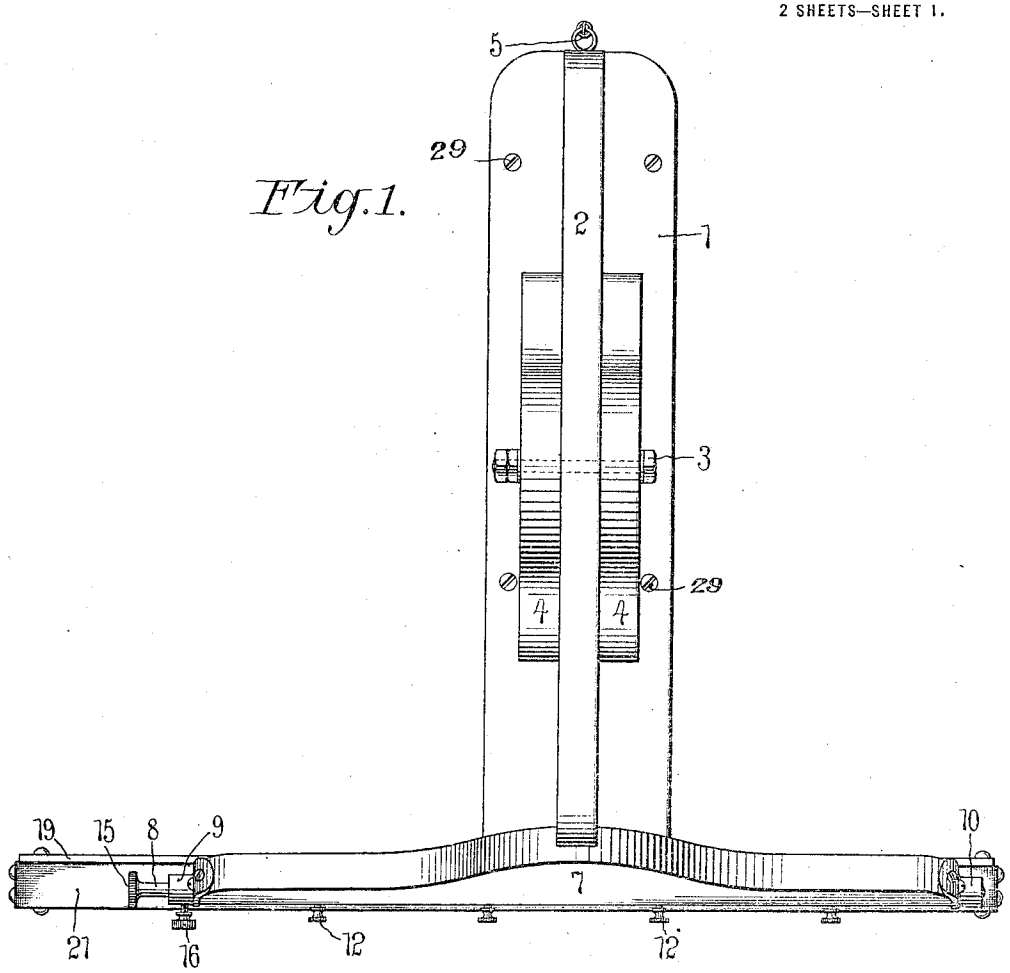
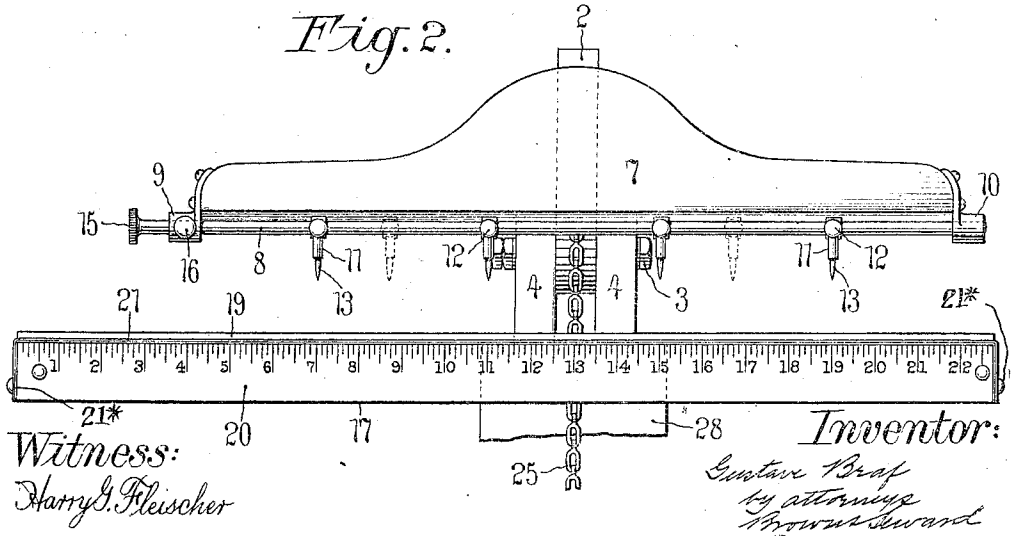


Fig. 2.



Witness:
Harry G. Fleischer

Inventor:
Gustave Braf
by attorneys
Brown & Durand

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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2 SHEETS—SHEET 2.

Fig. 3.

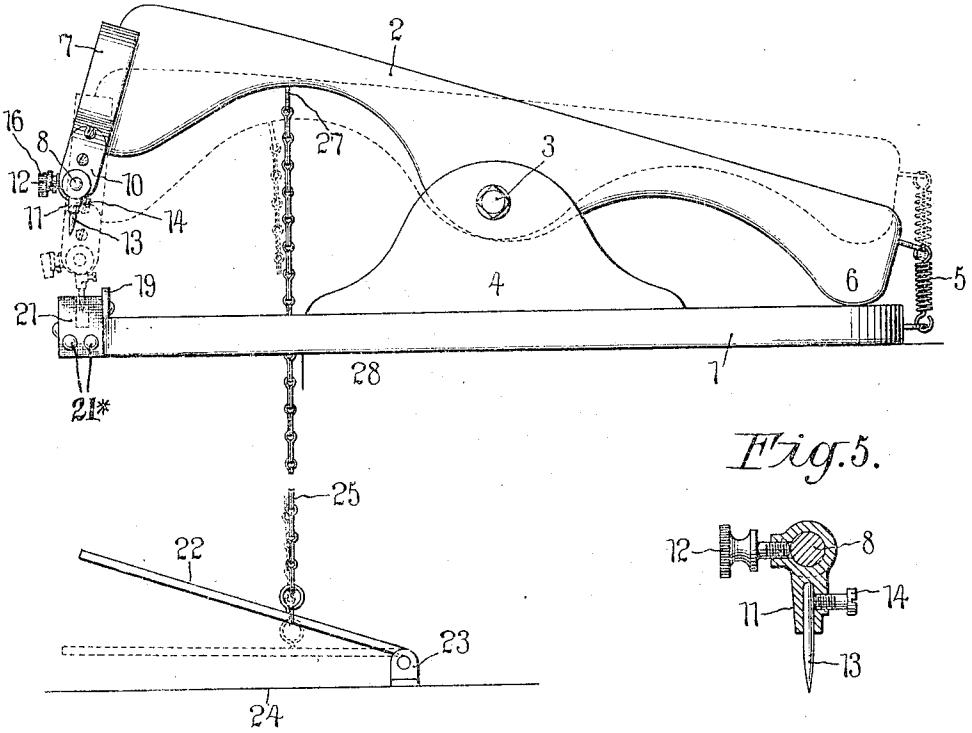
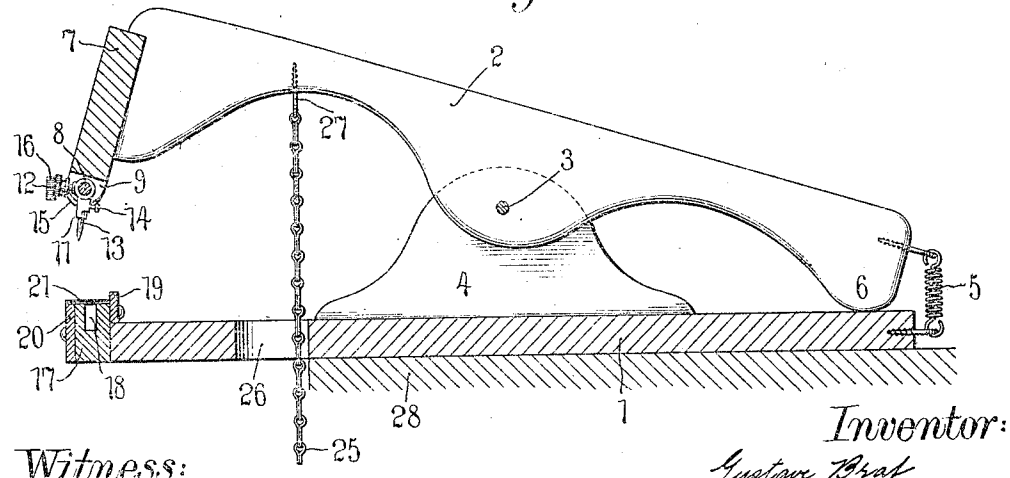


Fig. 5.

Fig. 4.



Witness:
Harry G. Fleischer

Inventor:
Gustave Braf
by attorneys
Brown & Ward

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GUSTAVE BRAF, OF BROOKLYN, NEW YORK.

MACHINE FOR MARKING THE POSITION OF BUTTONS AND BUTTONHOLES IN GARMENTS.

1,272,610. Specification of Letters Patent. Patented July 16, 1918.

Application filed June 1, 1916. Serial No. 101,167.

To all whom it may concern:

Be it known that I, GUSTAVE BRAF, a subject of the German Empire, and resident of the borough of Brooklyn, in the city and State of New York, have invented a new and useful Improvement in Machines for Marking the Position of Buttons and Buttonholes in Garments, of which the following is a specification.

This invention relates to an improvement in machines for marking the position of buttons and buttonholes in garments, with the object in view of providing a device which will mark a garment for positioning a predetermined number of buttons and buttonholes at one operation.

Another object is to provide a device having a means for adjusting the marking points both longitudinally and laterally.

A still further object is to provide certain improvements in the form, construction and arrangement of the several parts whereby the above named and other objects may be effectually carried out.

A practical embodiment of my invention is represented in the accompanying drawings, in which,

Figure 1 represents a plan view of my improved device,

Fig. 2 is a front elevation of the same,

Fig. 3 is a side elevation showing a means for operating the device.

Fig. 4 is a longitudinal central section, and

Fig. 5 is a detail central section on an enlarged scale of one of the devices used in marking.

The base of the device is denoted by 1, and the movable member by 2. This member 2 is mounted to rock freely on a pin 3 carried by brackets 4 fast on the base. The member 2 is held in a normal position by a spring 5, one end of which is secured to the base 1, and the other to the free end 6 of the member 2. The operative end of the member 2 is provided with a frame 7 which is arranged at right angles to the member 2. This frame 7 has a bar 8 mounted in bearings 9, 10, upon which bar a plurality of markers 11 are adjustably secured. Each marker 11 is adapted to be adjusted longitudinally as well as laterally on the bar 8, and locked thereto by means of a thumb screw 12. Pins 13 are secured to the markers 11 by means of set screws 14. The bar 8 may be rotated by a thumb piece 15 attached to the end which projects beyond the bearing 9, and it may be locked in position by a thumb screw 16 carried by the bearing 9. A gage 17, having a longitudinal groove 18, is fixed to the base 1, in position to coact with the markers 11. The gage is provided with a back stop 19, and a graduated scale 20, on its front, both of which extend throughout the entire length of the gage.

The top of the gage is provided with a pad of soft, pliable material 21, such as tape, felt, muslin or cotton goods, which covers the longitudinal groove 18. This pad 21 is securely fastened to the gage 17 by any well known and approved means. In the present instance, I have shown nails 21* holding the pad at the opposite ends of the gage. The means for oscillating the member 2 comprises a foot treadle 22, mounted in a bracket 23 fixed on the floor or other support 24, which treadle is connected to the member 2 by a flexible connection 25 which passes through a hole 26 in the base 1 and is secured to the member at 27.

The base 1 is secured to a support 28 of any well known and approved type, by means of screws 29, and it is obvious that the treadle 22 may be mounted on the same support near the floor.

The operation is as follows: The garment upon which the positions of the buttons and buttonholes are to be marked, is first folded with the hems one on top of the other, and assuming that the markers 11 have been set the required distances apart, the garment is then placed in position with the two hems against the back stop, after which the member 2 is forced downwardly, by the movement of the treadle and flexible connection, until the pins 13 puncture the garment and pad 21, as shown in dotted lines in Fig. 3. When the operator releases the treadle, the member 2 will, through the spring 5, return to its normal position, whereupon the garment may be removed from the gage with the imprint of the pins 13 therein.

Thus it will be seen that the marks upon the garment wherein the buttons and buttonholes are to be placed will be in perfect register.

It is also to be seen that the spaces to be

marked for the buttons or buttonholes may be accurately determined by the coaction of scale with markers 11.

This device is particularly well adapted for use where a large number of garments are to be marked for the placing of buttons and buttonholes and each garment to be made alike. It has been the common practice by operators who are skilled in the art, to mark the garment, first with a series of buttonholes, then from the buttonholes the places for the buttons are marked. As each buttonhole and place for the button is marked separately, it therefore is to be seen that with this device, marking at the buttons and buttonholes at one operation, saves a considerable amount of time and without the use of skilled labor.

It will be understood that various changes may be resorted to in the form, construction and arrangement of the several parts without departing from the spirit and scope of my invention; hence I do not intend to be limited to the specific details herein shown and described except as they are mentioned in the claims.

What I claim is:

1. A device of the character described comprising a base, a movable member mounted thereon, a bar carried by one end of said member, means for locking said bar against movement in the member, a plurality of markers mounted on the bar and means for operating the member.

2. A device of the character described comprising a base, a movable member mounted thereon, a bar carried by one end of said member, means for locking said bar against movement in the member, a plurality of markers mounted on the bar, a gage adapted to coact with said markers and means for operating the member.

3. A device of the character described comprising a base, a movable member mounted thereon, a bar carried by one end of said member, means for locking said bar against movement in the member, a plurality of markers longitudinally adjustable on the bar, a gage adapted to coact with said markers and means for operating the member.

4. A device of the character described comprising a base, a movable member mounted thereon, a bar carried by one end of said member, means for locking said bar against movement in the member, a plurality of markers rotatably adjustable on the bar, a gage adapted to coact with said markers and means for operating the member.

5. A device of the character described comprising a base, a movable member mounted thereon, a bar carried by one end of said member, means for locking said bar against movement in the member, a plurality of markers longitudinally and rotatably adjustable on the bar, a gage adapted to coact with said markers and means for operating the member.

6. A device of the character described comprising a base, a movable member mounted thereon, a bar carried by one end of said member, means for locking said bar against movement in the member, a plurality of markers independently adjustable on the bar and means for operating the member.

7. A device of the character described comprising a base, a movable member mounted thereon, a frame carried by one end of said member, a bar secured in said frame, a plurality of markers adjustably mounted on said bar and means for operating the member.

8. A device of the character described comprising a base, a movable member mounted thereon, a frame carried by one end of said member, a bar secured in said frame, a plurality of markers adjustably mounted on said bar, a yielding element connected to the other end of the member and arranged to normally hold the markers out of engagement with the work and means engaging the member for operating it.

9. A device of the character described comprising a base, a movable member mounted on said base, a bar carried by said movable member, a plurality of markers mounted on said bar, a gage having a groove therein, a pliable covering for said groove, said groove and covering adapted to coact with said markers, and means for operating said member.

10. A device of the character described comprising a base, a movable member mounted on said base, a bar carried by said movable members, a plurality of markers mounted on said bar, a gage having a groove therein, a pliable covering for said groove and a back stop for said gage, said groove and covering adapted to coact with said markers, and means for operating said member.

11. A device of the character described comprising a base, a movable member mounted on said base, a bar carried by said movable member, a plurality of markers mounted on said bar, a gage having a groove therein, a pliable covering for said groove, a back stop for said gage and a graduated scale on the gage, said groove and covering adapted to coact with said markers, and means for operating said member.

12. A device of the character described comprising a base, a movable member mounted on said base, a bar carried by said movable member, a plurality of markers slidably mounted on said bar, pins secured to said markers, a gage having a groove therein and a pliable covering for said groove, said groove and covering adapted to coact with said pins, and means for operating said member.

13. A device of the character described

comprising a base, a movable member mounted on said base, a bar carried by said movable member, a plurality of markers slidably mounted on said bar, pins removably secured to said markers, a gage having a groove therein and a pliable covering for said groove, said groove and covering adapted to coact with said pins, and means for operating said member.

In testimony, that I claim the foregoing as my invention, I have signed my name this 29th day of May, 1916.

GUSTAVE BRAF.

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