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M. F. W. & P. R. GREIST, ADMINISTRATORS.  
TUCK GREASER FOR SEWING MACHINES.  
APPLICATION FILED JAN. 24, 1908.

900,068.

Patented Sept. 29, 1908.

2 SHEETS—SHEET 1.

FIG. 1.

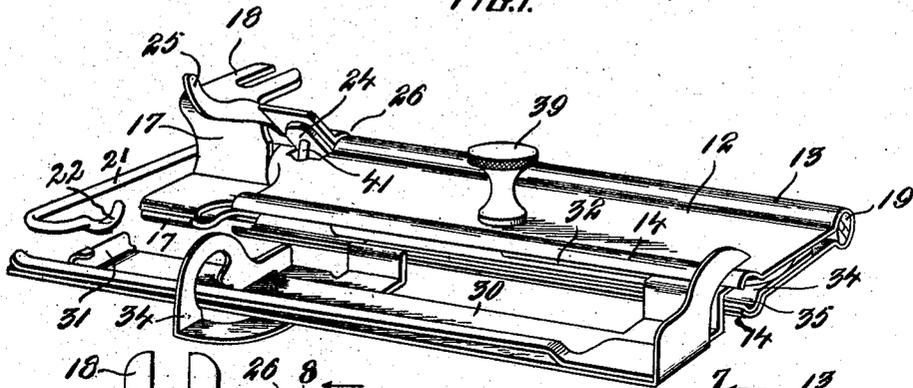


FIG. 2.

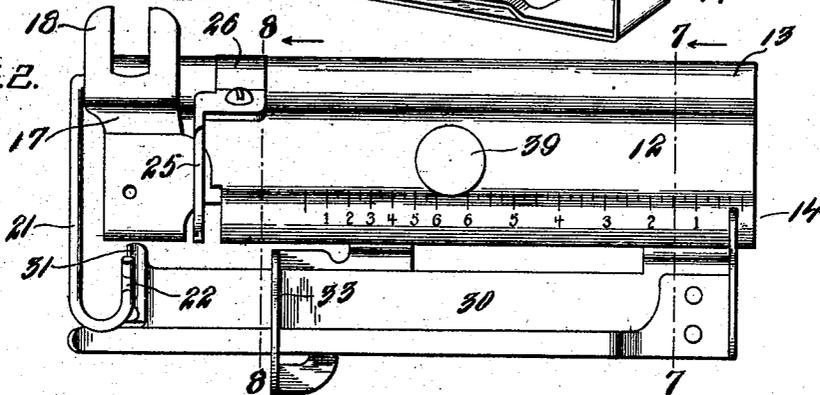
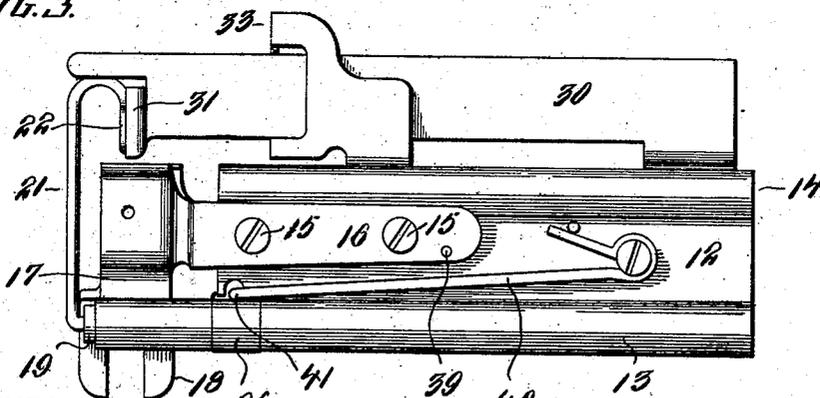


FIG. 3.



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2 SHEETS—SHEET 2.

FIG. 4.

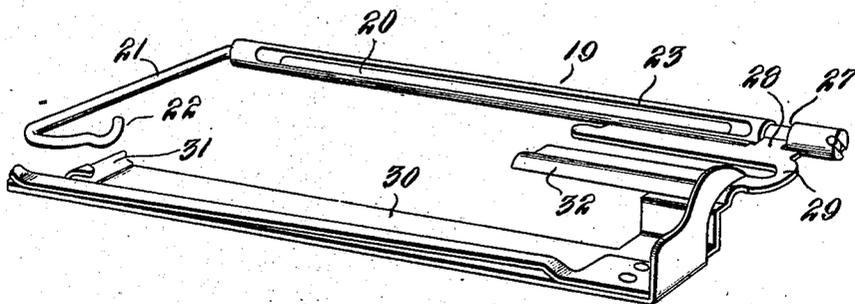


FIG. 5.

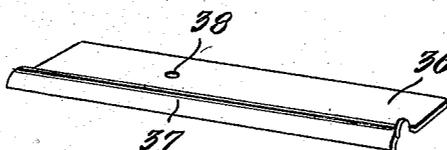
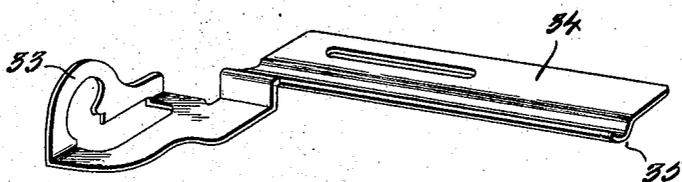


FIG. 6.

FIG. 7.

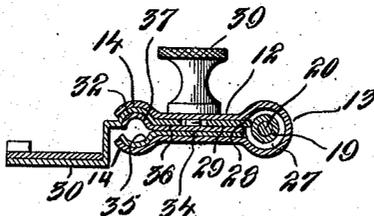
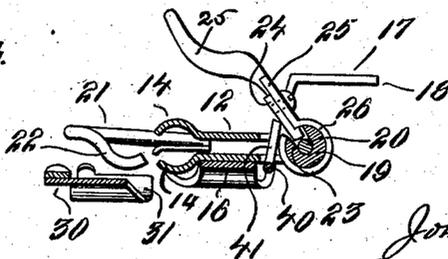


FIG. 8.



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# UNITED STATES PATENT OFFICE.

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## TUCK-CREASER FOR SEWING-MACHINES.

No. 900,068.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed January 24, 1908. Serial No. 412,526.

*To all whom it may concern:*

Be it known that JOHN M. GREIST, deceased, late a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, did invent certain new and useful Improvements in Tuck-Creasers for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to sewing machine tuck creasers, and has for its object to provide an attachment of this kind most of the parts of which are of such construction as to be adapted to be formed from sheet metal, while the construction is such that suitable steadying and guiding means are provided so as to hold the adjustable parts steadily in place when adjusted to any desired positions, and so as to provide a convenient means whereby the adjustments of the parts, to provide for tucks of different widths or different distances apart, may be readily effected.

In the accompanying drawings Figure 1 is a perspective view of the improved tuck creaser. Figs. 2 and 3 are top and bottom views, respectively, of the same. Fig. 4 is a perspective view of the connected tuck creasing members detached from the frame. Fig. 5 is a detailed perspective view of the work guide. Fig. 6 is a detail view of a stationary separating plate interposed between sliding portions of the guide and of the creasing members. Fig. 7 is a cross section on line 7—7, Fig. 2. Fig. 8 is a cross section on line 8—8, Fig. 2.

Referring to the drawings, 12 denotes the main frame or body of the attachment the same consisting of a folded piece of sheet metal having a rounded or cylindrical portion 13 at its back and two longitudinally extending half round portions 14 one above the other at its front, the said main frame being attached by screws or rivets 15 to a lateral arm 16 extending from a presser-foot portion 17 provided with a shank 18 by which it may be secured to the presser-bar of a sewing machine. Within the rounded or cylindrical portion 13 is mounted a cylindrical rocking bar 19 which is bored axially for the reception of a torsional spring wire or rod 20 having at its front end an arm 21

provided with a notched creasing finger 22. The rocking bar 19 is provided with a longitudinal slot 23 for the reception of a lug 24 secured to an operating arm 25 to be engaged by a projection on the needle-bar of a sewing machine and having a sleeve-like portion 26 embracing the said rocking-bar, the said sleeve-like portion 26 being received in a suitable notch formed in the cylindrical portion 13 of the folded metal frame or body 12. The engagement of the lug 24 with the walls of the longitudinal slot 23 affords means by which said rocking bar may be operated by the engagement of a screw or projection on the needle-bar of the machine with the said operating arm, while the said longitudinal slot permits the said rocking bar, with its creasing arm, to be adjusted lengthwise of the attachment.

The rocking-bar 19 is provided near its rear end with an annular groove 27 for the reception of a lug 28 formed on a slotted plate 29 which is preferably integral with the arm 30 carrying at its forward end a creasing lip 31 which is in register with the creasing finger 22 carried by the arm 21, so that the cloth passing between said creasing finger and lip will be suitably creased or marked when the attachment is in operation. The slotted plate 29 is provided with a convex longitudinal rib 32 fitting the upper half-round front portion on the main frame or body 12. Owing to the connection of the slotted plate 29 with the rocking bar 19, by means of the lug 28 on said plate entering the annular groove 27 in the said rocking bar, it will be understood that the two creasing members of the attachment will be so connected together that they will be simultaneously adjusted lengthwise of the attachment, when such adjustment is necessary; while the construction just referred to provides means whereby the rocking bar will be free to oscillate notwithstanding this connection.

The work-guide 33 is formed integral with a slotted plate 34 having a convex rib 35 fitting in the lower half-round portion 14 at the front of the main frame or body 12. This construction provides means whereby said guide may be adjusted longitudinally of the creaser and be steadily held in any desired position of adjustment.

As it is frequently necessary to adjust the creasing devices and the guide independently of each other it is desirable that they should be separated from each other so that the adjustment of one will not disturb the adjustment of the other. To this end a separating plate 36 is interposed between the slotted plates 29 and 34 so as to prevent them from being in frictional contact with each other, the separating plate being provided with a longitudinal convex rib 37 fitting beneath the convex rib 32 of the slotted plate 29, and the said separating plate 36 is provided with a hole 38 through which passes the clamp-screw 39 by which the parts are secured in position after adjustment by the clamping action of said screw which is tapped in the arm 16 extending laterally from the presser foot 17, the said screw extending through the slots in the plates 29 and 34. When the said screw is tightened the upper and lower members of the main frame or body 12 are compressed together, thus clamping the slotted plates 29 and 34 between them, and thereby holding the longitudinally adjustable creasing members and work-guide securely in place. The separating plate 36 is non-adjustable by reason of the fact that the screw 39 passes through the round hole 38 therein.

To the underside of the main frame 12 is attached a spring 40 having an upturned end 41 which engages the lug 24 on the operating arm 25 and thereby serves to lift said arm after it has been depressed by the needle-bar of the sewing machine.

The peculiar construction of the main frame 12 with its cylindrical rear portion and half-round front portions provides a recess between the bottom ribs afforded by these rounded portions in which the spring 40 and the arm 16 extending laterally from the presser-foot 17, are housed, so as to be out of the way, and so that the attachment may rest flat on the work-plate of the sewing machine; the said cylindrical and half-round portions of the said plate also affording convenient means for receiving the creasing rocking-bar 19 and the guiding convex ribs on the adjustable plates 29 and 34.

From the foregoing it will be apparent that the invention provides a strong and compact sewing machine tuck creaser of convenient and durable construction, and most of the parts of which may be readily stamped from sheet metal, so that the creaser will be inexpensive to manufacture.

Having thus described the invention of the late JOHN M. GREIST, we claim and desire to secure by Letters Patent:

1. A sewing machine tuck creaser comprising a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion and two longitudinally extending half round front portions, one above the

other combined with tuck-creasing and work-guiding devices mounted on said frame or body.

2. A sewing machine tuck creaser comprising a main frame or body consisting of a folded sheet metal plate the upper and lower members of which are adapted to be compressed together, of lengthwise adjustable tuck-creasing and work-guiding devices having parts extending between the said members of said main frame or body, and clamping means by which said members may be compressed together to hold the said tuck-creasing and work-guiding devices in any desired positions to which they may have been adjusted.

3. A sewing machine tuck-creaser comprising a main frame or body consisting of a folded sheet metal plate the upper and lower members of which are adapted to be compressed together, of lengthwise adjustable tuck-creasing and work-guiding devices having parts extending between the said members of said main frame or body, a separating plate between the said parts, and clamping means by which said members may be compressed to hold the said tuck-creasing and work-guiding devices in any desired positions to which they may have been adjusted.

4. A sewing machine tuck creaser comprising a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion and half round front portions, combined with a rocking bar journaled in said cylindrical rear portion, a creasing arm operated by said rocking bar, a sliding plate having a longitudinal convex rib fitting one of said half round portions, a lower creasing member or lip connected with said sliding plate, a second sliding plate having a longitudinal convex rib fitting the other of said half-round portions, a work-guide connected with said second sliding plate, and clamping means to compress the upper and lower members of said folded body together to secure said creasing devices and work-guide in any desired position of adjustment.

5. A sewing machine tuck-creaser comprising a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion and half round front portions, combined with a rocking bar journaled in said cylindrical rear portion, a creasing arm operated by said rocking bar, a sliding plate having a longitudinal convex rib fitting one of said half round portions, a lower creasing member or lip connected with said sliding plate, a second sliding plate having a longitudinal convex rib fitting the other of said half-round portions, a work-guide connected with said second sliding plate, a separating plate arranged between said sliding plates and also having a longitudinal convex rib, and clamping means to compress the upper

and lower members of said folded body together to secure said creasing devices and work-guide in any desired position of adjustment.

5 6. In a sewing machine tuck-creaser, the combination with a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion, of a rocking bar journaled in said cylindrical portion and  
10 carrying a creasing arm, a sliding plate extending between said upper and lower members of said main frame or body and loosely connected with said rocking bar, a lower creasing member connected with said sliding  
15 plate, and clamping means for compressing said members of said main frame or body to secure the tuck-creasing members in any desired position of adjustment.

20 7. In a sewing machine tuck-creaser, the combination with a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion, of a rocking bar journaled in said cylindrical portion and carrying a creasing arm, a sliding plate extending  
25 between said upper and lower members of said main frame or body and loosely connected with said rocking bar, a lower creasing member connected with said sliding plate, a second sliding plate extending between the members of said frame or body, a  
30 work-guide connected with said second sliding plate, and clamping means for compressing said members of said main frame or body to secure the tuck creasing members and  
35 work-guide in any desired position of adjustment.

40 8. In a sewing machine tuck-creaser, the combination with a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion, of a longitudinally adjustable rocking bar journaled in said cylindrical portion and carrying a creasing  
45 arm, a longitudinally adjustable lower creasing device loosely connected with said rocking bar so as to be adjustable therewith, a non-adjustable operating arm connected with said rocking bar, for oscillating the latter, and a spring attached to the lower side of  
50 said main frame or plate and having an upwardly projecting front end acting on said operating arm to lift said arm after it has been depressed.

55 9. In a sewing machine tuck-creaser, the combination with a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion, of a longitudinally

adjustable rocking bar journaled in said cylindrical portion and carrying a creasing  
arm, a longitudinally adjustable lower creasing device loosely connected with said rock- 60  
ing bar so as to be adjustable therewith, a non-adjustable operating arm connected with said rocking-bar, for oscillating the latter, a spring attached to the lower side of said main frame or plate and having an upwardly  
65 projecting front end acting on said operating arm to lift said arm after it has been depressed, a work-guide adjustable independently of said creasing devices, plates extending between the upper and lower members of  
70 said main frame or body and connected with said lower creasing device and said work-guide, and clamping means for compressing the said members of said main frame or body to secure the creasing and guiding devices in  
75 place after adjustment.

10. In a sewing machine tuck creaser, the combination with a main frame or body consisting of a folded sheet metal plate having a cylindrical rear portion, of a longitudinally  
80 adjustable rocking bar journaled in said cylindrical portion and carrying a creasing arm, a longitudinally adjustable lower creasing device loosely connected with said rocking bar so as to be adjustable therewith, a  
85 non-adjustable operating arm connected with said rocking bar, for oscillating the latter, a spring attached to the lower side of said main frame or body and having an upwardly projecting front end acting on said operating  
90 arm to lift said arm after it has been depressed, a work guide adjustable independently of said creasing devices, plates extending between the upper and lower members of said main frame or body and connected with  
95 said lower creasing device and said work-guide, a separating plate interposed between the before-mentioned plates, and clamping means for compressing the said members of said main frame or body to secure the creasing  
100 and guiding devices in place after adjustment.

In testimony whereof we affix our signatures, in presence of two witnesses.

MARY F. W. GREIST,  
PERCY RAYMOND GREIST,  
*Administrators of the estate of John M. Greist, deceased.*

Witnesses:

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L. M. FORD.