J. SCHLOSSER.

APPARATUS FOR STRETCHING THE ARMHOLES OF COATS.

APPLICATION FILED APR. 18, 1912.

1,038,792. Patented Sept. 17, 1912.

Fig:1.

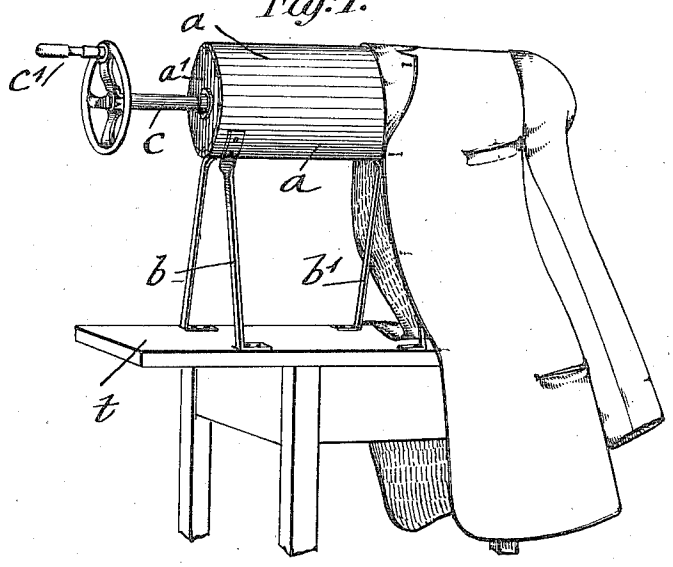


Fig:2.

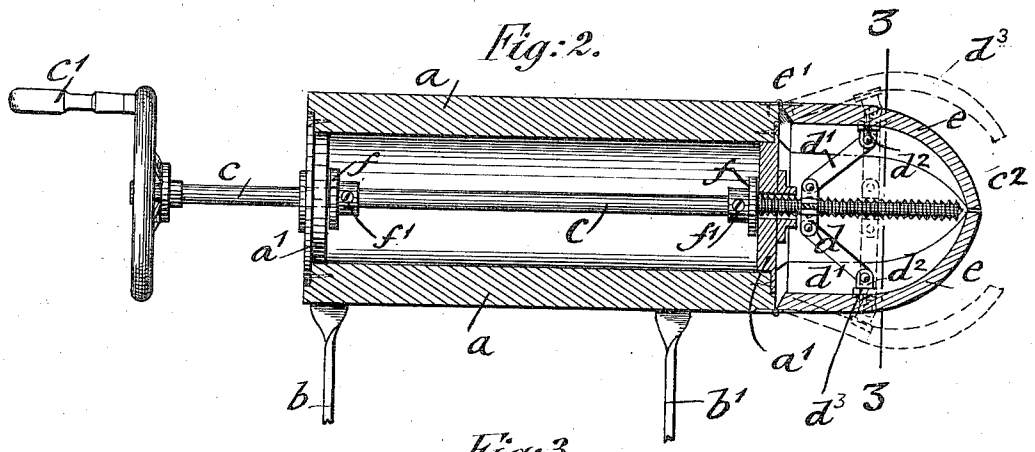
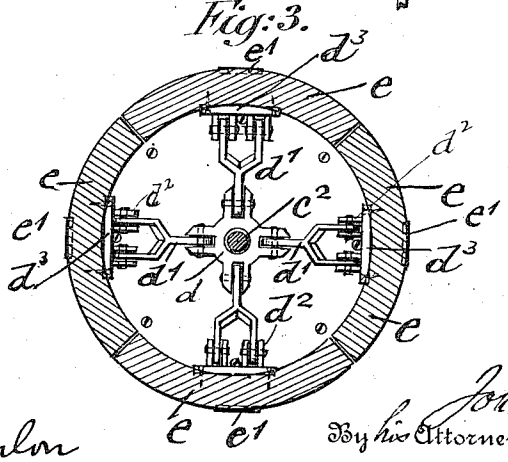


Fig:3.



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APPARATUS FOR STRETCHING THE ARMHOLES OF COATS.

1,038,792. Specification of Letters Patent. Patented Sept. 17, 1912.

Application filed April 18, 1912. Serial No. 691,557.

To all whom it may concern:

Be it known that I, JOHN SCHLOSSER, residing in New York, in the borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Apparatus for Stretching the Armholes of Coats, of which the following is a specification.

This invention relates to an improved apparatus for stretching the arm-holes of coats.

Heretofore the armholes of coats, especially when sold in the stores for ready-made clothing were stretched by hand by the fitters when only a slight widening of the stretching of the armhole was required. When, however, an enlargement of the armhole was necessary, then the seams of the lower portion of the armhole were opened, enlarged by cutting, and then restitched again so as to give the required fit for the coat. This is connected with considerable loss of time and annoyance as in many cases the customer does not like to wait for the fitting, or has to call again for the coat.

The object of this invention is to enlarge the arm-holes quickly and effectively by mechanical means in such a manner that the customers can wait for the coat and that the necessity of calling again for it is dispensed with. For this purpose the apparatus comprises a stationary cylinder, having heads at both ends, and provided in said heads with bearings for a center spindle which has at one end a crank for operating the same and at the opposite end a screw-thread said spindle being held in position by means of suitable collars so as to prevent any longitudinal shifting motion, a traveling screw nut on the threaded end of the spindle outside of the head of the cylinder, hinged quadrantal portions curved toward the spindle, and connected by means of pivot-links with the traveling nut, so as to be either moved in outward direction or drawn back, into inward position as required for the widening of the armhole of the coat placed in position on the cylinder and the quadrantal portion.

The invention consists further of certain details of construction which will be fully described hereafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1, represents a perspective view of my improved machine or apparatus for stretching the armholes of coats. Fig. 2 is a vertical longitudinal section of the same drawing, on a larger scale, and Fig. 3 is a vertical conical section on line 3—3, Fig. 2, drawn on a still larger scale.

Similar letters of reference denote the same parts in the different figures of the drawing.

Referring to the drawing a represents a cylinder which is made of wood, sheet metal or other suitable material and closed at both ends by means of heads a'. The cylinder a is supported by stationary standards b, b', on a table t or other suitable support, so as to be at the proper height for the arms of the fitter. In the center of the heads a' is supported in suitable bearings a center-spindle c, which is provided at one end with a hand wheel and a crank c' attached to this wheel, and at the other end with a screw-thread on which is placed a traveling nut d, which nut is connected by means of pivot-links d' with quadrantal and inwardly-curved portions e, to the end of the cylinder a as shown clearly in Fig. 2. The screw spindle c is prevented from shifting in longitudinal direction by means of interior collars f which are attached to the spindle by set screws f'. The traveling nut d is connected by the pivot-links d' having forked ends with double ears d^2 that are arranged on plates d^3 at the inside of the quadrantal and inwardly-curved portions e of the machine, said pivot-links serving for moving the quadrantal portions in outward directions as the traveling nut is moved forward on the spindle in consequence of the turning of the same by the crank on the opposite end thereof.

When the coat is placed with its shoulder over the cylinder and the armhole over the quadrantal portions, as shown in Fig. 1, the fitter slowly turns the crank and gradually moves the quadrantal portions in outward direction until the armhole is stretched sufficiently. After having moved the quadrantal portions to the required degree, it is best to leave the armhole of the coat for some time on the enlarged quadrantal portions. For returning the quadrantal portions inwardly the spindle is turned in the opposite direction so that the quadrantal portions are drawn back toward the spindle until they arrive in their former position,

when it is comparatively easy to remove the coat with the stretched armhole from the end of the apparatus.

The advantages of my improved machine are that coats can be fitted in the armholes while the customer is waiting, so as to dispense with the loss of time required in fitting as at present, or requesting the customer to return for the fitted coat.

By means of the apparatus the manual stretching which is uneven and uncertain, is dispensed with, and a perfectly uniform stretching for the arm-holes obtained by the mechanical action of the quadrantal portions on the same. The machine is also adapted for the ordinary custom-tailor, as it also enables him to fit easily, coats at the arm-holes for his customer without the usual delay in fitting and stretching the size of the armholes.

Having thus described my invention, I claim—

1. A machine for stretching the armholes of coats which comprises a stationary cylinder, heads at the ends of the same a center-spindle supported in bearings of said heads and provided at one end with a crank, and at the opposite end with a screw-thread, a traveling nut on the threaded portion of the spindle, quadrantal and inwardly-curved portions hinged to the end of the cylinder and pivot-link connections between the traveling nut and the quadrantal portions for moving the same in outward or inward direction.

2. A machine for enlarging or stretching the armholes of coats, which comprises a cylinder, heads at both ends of the same supporting standards for the cylinder, quadrantal and inwardly curved portions hinged to the end of the cylinder a center-spindle supported in bearings in the heads of the cylinder and provided with a crank at one end, and a screw-thread at the opposite end, stop collars on the spindle for preventing longitudinal shifting motion of the same, a traveling nut on the threaded end of the spindle, and pivot-link connections between the traveling nut and the inside of the quadrantal portions for moving the same in outward or inward direction for enlarging the armholes of coats.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

JOHN SCHLOSSER.

Witnesses:
PAUL GOEPEL,
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