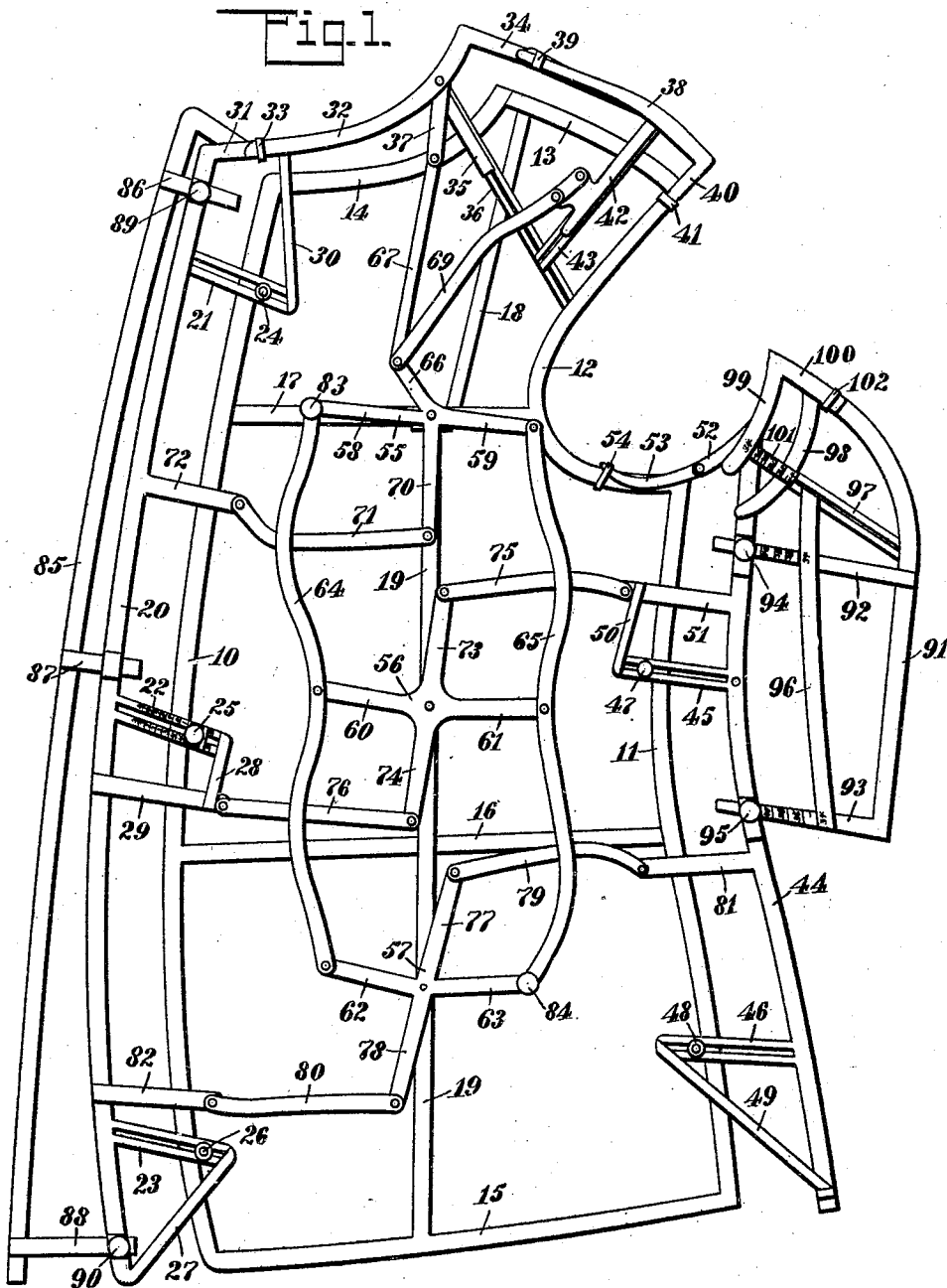


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ADJUSTABLE PATTERN.
APPLICATION FILED APR. 26, 1909.

933,523.

Patented Sept. 7, 1909.

2 SHEETS—SHEET 1.



WITNESSES

L. Almquist

C. M. Fairbank

INVENTOR

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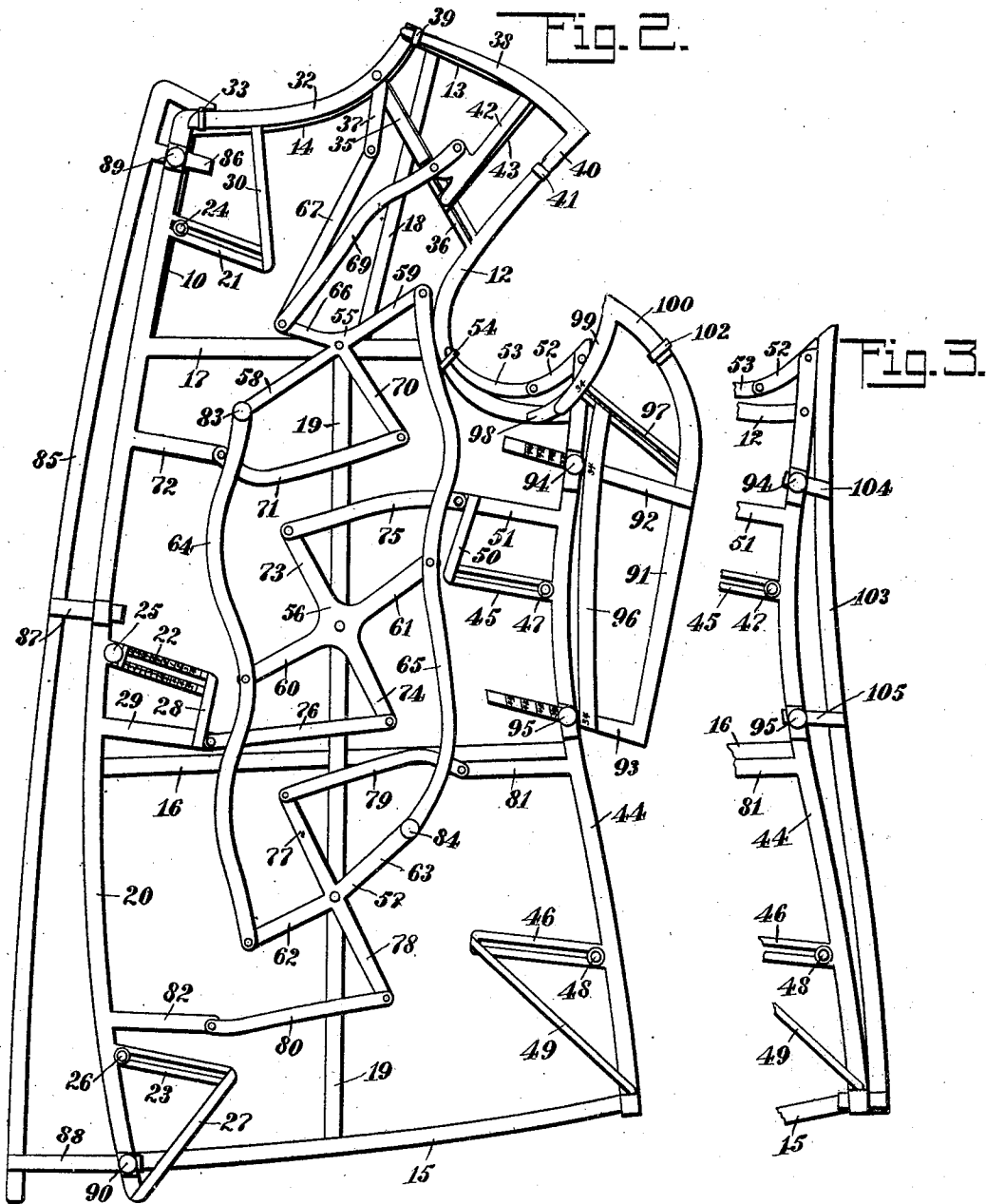
ATTORNEYS

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WITNESSES
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UNITED STATES PATENT OFFICE.

MOSES BOGUSHEFSKY, OF NEW YORK, N. Y.

ADJUSTABLE PATTERN.

933,523.

Specification of Letters Patent.

Patented Sept. 7, 1909.

Application filed April 26, 1909. Serial No. 492,300.

To all whom it may concern:

Be it known that I, MOSES BOGUSHEFSKY, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Adjustable Pattern, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in patterns for use in cutting out garments, and the object of the invention is to so construct the pattern that it may be used for cutting garments of various different sizes.

The invention consists in the construction and combination of parts, whereby the different edges of the pattern may be moved outwardly or inwardly substantially in parallelism, without varying the relative proportions or the general shape of the pattern.

In connection with the pattern, I employ various attachments for varying the style of the garment, that is, rendering one pattern useful for cutting different forms of garments.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a plan view of a pattern constructed in accordance with my invention, the parts being in their extended position and the attachments secured thereto; Fig. 2 is a plan view similar to Fig. 1, but showing the parts in their contracted position for cutting a garment of smaller size; and Fig. 3 is a view similar to a portion of Fig. 2, showing an additional attachment secured thereto.

My invention may be utilized in various different forms for cutting different parts of garments, for instance, coats, overcoats, jackets, waistcoats, sleeves, &c., but inasmuch as all of the different forms of garments remain the same, I have illustrated only one form, which is designed for cutting the front section or breadth of a gentleman's coat.

In the specific form illustrated, I employ a frame or pattern proper of skeleton form and including a longitudinally-extending marginal strip 10 for the front edge of the coat, a longitudinally-extending strip 11 for the side seam of the coat, that is, the seam extending downwardly from beneath the

arm-hole, a curved strip 12 extending from the upper end of the strip 11 around the arm-hole to the top shoulder seam, a strip 13 extending along the top shoulder seam, a strip 14 extending from the upper end of the last-mentioned strip to the upper end of the strip 10, and a bottom strip 15 extending across the lower edge of the pattern and connecting the lower ends of the strips 10 and 11. All of these strips are substantially rigid in respect to each other and may be braced by any desired number of cross members. As shown, the strips 10 and 11 are connected by a cross strip 16, the strips 12 and 10 are connected by a cross strip 17, and the strip 17 is connected to the strips 13 and 15, respectively, by strips 18 and 19. This particular arrangement of cross bracing is immaterial except that the longitudinal strip 19 serves as a support for the pivots for the operating members hereinafter referred to. Carried by this rigid frame or pattern proper, I provide a second series of marginal strips, disposed adjacent to and parallel with the margins of the pattern and movable outwardly substantially in parallelism to increase the size of the pattern. In addition to these movable marginal strips, I provide means for moving all of the latter simultaneously and through such distances as to maintain the general form of the pattern substantially the same.

Extending along the front strip 10 is an auxiliary strip 20 having slotted arms 21, 22 and 23 at an angle thereto and extending inwardly toward the center of the pattern. The strip 10 carries studs or pins 24, 25 and 26, extending through the slots in said arms and serving to guide the latter. One of these, for instance, the pin 25, may be in the form of a set screw for locking the parts in their adjusted position. All of these arms preferably extend downwardly at a slight angle to the general direction of the strip, so that as said strip is moved outwardly, it will at the same time, be moved upwardly to a lesser extent. The arm 23 may be held rigid with the strip 20 by a diagonal brace 27. The strip 22 may be held rigid by a brace 28 connected to an inwardly-extending operating arm 29 on said strip 20, and the arm 21 may be held rigid by a brace 30 extending upwardly from the end of said arm to an extension 31 at the upper end of the strip and substantially parallel to the collar strip 14. Substantially parallel to

the collar strip 14, I provide an auxiliary collar strip 32 having one end thereof slidable through a loop 33 on the extension 31, and having the upper or rear end provided with an extension 34 substantially parallel to the shoulder seam strip 13 of the pattern. This collar strip is provided with an inwardly-extending arm 35, rigid therewith and slidable longitudinally along a slotted guide strip 36 rigid with the pattern proper. The collar strip 32 is also provided with an operating arm 37 rigid therewith and serving as means for moving said auxiliary collar strip 32 outwardly or inwardly. Substantially parallel to the shoulder strip 13 of the pattern proper, is an auxiliary shoulder strip 38, the upper end of which extends through a loop 39 on the extension 34, so as to be movable longitudinally in respect to the latter. The rear or lower end of the shoulder strip 38 is provided with an extension 40 rigid therewith and substantially in alinement with the adjacent end of the arm-hole strip 12. This extension preferably carries a loop 41 encircling the arm-hole strip and slidable longitudinally of the latter. The shoulder strip 38 is provided with an arm 42 movable longitudinally along a slotted guide strip 43 on the pattern proper. This arm 42 serves not only to guide the shoulder strip 38 but also serves as an operating arm therefor. Adjacent the rear strip 11 of the pattern and substantially parallel thereto, is an auxiliary rear strip 44 provided with inwardly-extending slotted guiding arms 45 and 46, through which extend studs or pins 47 and 48 carried by the rear strip 11. The arm 46 may be held rigid with the rear strip 44 by a diagonal brace 49, and the strip 45 may be held rigid by a brace 50 connected to an operating arm 51 rigid with said strip. At the upper end of the strip 44, there is a downwardly and inwardly-disposed extension 52 adjacent the rear end portion of the arm-hole strip 12, and the end of this extension is connected to the arm-hole strip 12 by an intermediate piece 53, one end of which is pivoted to the end of the extension 52, and the other end of which carries a loop 54 encircling the strip 12. For operating all of these auxiliary strips 20, 32, 38 and 44 simultaneously, and to such extents as to maintain the pattern of the same general form but to vary its size, I provide a plurality of links and levers connecting to the various operating arms above referred to. Pivotally mounted upon the center bracing strip 19 of the pattern proper are three multi-armed oscillating levers 55, 56 and 57. Certain of the arms on each lever serve for operating certain of the auxiliary strips hereinbefore described, and certain other of the arms serve merely to insure the simultaneous movement of all three levers. The lever 55 is provided with

oppositely-extending arms 58 and 59, connected to arms 60 and 61 on the lever 56, and to arms 62 and 63 on the lever 57 by links 64 and 65, which merely insure the simultaneous movement of all three levers. The lever 55 is provided with an upwardly-extending arm 66, which is connected by a link 67 to the operating arm 37, and by a link 69 to the operating arm 42. This arm 66 thus serves for the movement of the two strips 32 and 38. The lever 55 is provided with a fourth arm 70, which is connected by a link 71 to an arm 72 on the front strip 20, to aid in the movement of said last-mentioned strip. The lever 56 is provided with arms 73 and 74 connected by links 75 and 76 to the arms 51 and 29, respectively, of the back and front strips to aid in the movement of said back and front strips. The lever 57 is provided with arms 77 and 78, connected by links 79 and 80 to arms 81 and 82 on the back and front strips, respectively, to also aid in the movement of said strips. The arms 70, 74 and 78 of the three levers are thus connected to the front strip 20, and all of these arms extend substantially parallel, so as to move outwardly the upper and lower ends of the strip 20 simultaneously. The arms 73 and 77 are connected to the rear strip and are substantially parallel, so as to move said rear strip outwardly substantially in parallelism.

To operate the three levers, I preferably provide the arms 58 and 63 with knobs, pins or studs 83 and 84, which may be spread apart or drawn toward each other to operate the device. A rotating of the levers in one direction will force outwardly the strip 20, to maintain it in parallelism with the strip 10. It will also force upwardly the strip 32 and cause it to have a sliding movement with the extension 31 of the strip 20. It will also move upwardly the strip 38 and cause it to have sliding movement with the extension 34 and with the arm-hole strip 12. Simultaneously, the rear strip 44 will be moved rearwardly and the connecting piece 53 will slide along the lower portion of the strip 12.

With the parts in the position shown in Fig. 2, the auxiliary strips are all drawn in to their innermost position and from this position they may all be moved outwardly to the limiting positions indicated in Fig. 1, or to any intermediate position. Preferably, some one of the operating arms, for instance, the arm 22, is provided with a scale calibrated to read in different standard sizes of garments, so that the tailor may definitely ascertain the size of the garment which is to be made by cutting the material from the pattern with the latter extended to any degree.

The specific pattern above described is designed for use in the cutting of gentlemen's single-breasted sack coats, and to enable the

same pattern to be used in the cutting of other styles of coats, I provide certain attachments thereto, which are detachable therefrom. When using the pattern in cutting a double-breasted coat, I provide the strip 20 with an extension, so as to increase the total width of the pattern without varying the other proportions thereof. This extension includes a strip 85 substantially parallel to the strip 20 and having three arms 86, 87 and 88 extending through guides in the strip 20. The upper and lower guides may be provided with set screws 89 and 90 for holding the extension in position. By loosening these set screws, the strip 85 and its arms may be readily detached.

When it is desired to cut a dress coat, I employ an attachment on the rear strip 44 for extending that portion of the latter which is above the waist line. This attachment includes a curved strip 91 having arms 92 and 93 extending through slides on the rear strip 44, and held in adjusted position thereon by set screws 94 and 95. These two arms may be held rigid in respect to each other by a brace 96, the upper end of which is also secured to a guide strip 97. An arm-hole extension strip 98 is secured to the upper end of this guide strip, and to the upper end of the strip 97, so as to form an extension of the curve of the arm-hole strip 12 when the parts are in their contracted position.

For forming an extension of the strip 12, when the pattern is in its distended form, there is provided a strip 99 substantially parallel to the strip 98 and movable outwardly therefrom by arms 100 and 101. The former may have a loop 102 encircling the strip 91, and the latter may slide through the arm-hole guide strip 97. The arms 92, 93 and 101 may be graduated, so that the tailor may secure the strips in the desired position for making a garment of a different size, without the necessity of meas-

uring. By loosening the set screws 94 and 95, this entire extension may be removed.

When it is desired to cut a loose fitting coat which will hang straight from the shoulders rather than be fitted at the waist, I may employ the extension shown in Fig. 3. This extension includes a strip 103, having arms 104 and 105, by means of which the strip may be held in place with the same set screws 94 and 95 shown in the other figures. The strip 103 is substantially straight, whereas the strip 44 of the pattern proper is curved inwardly intermediate its ends.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. An adjustable pattern, comprising a pattern proper, a plurality of strips adjacent the periphery thereof and movable in respect thereto, means connecting said strips for moving them outwardly simultaneously for increasing the size of the pattern, and an attachment adapted to be secured to one of said strips to adapt the pattern to a different style of garment.

2. An adjustable pattern, comprising a pattern proper having marginal strips and transverse connecting strips, and means for varying the size of the pattern, including auxiliary strips adjacent the marginal strips of the pattern proper, multi-armed levers carried by said pattern proper, means connecting said levers to insure their simultaneous movement, and links connecting said levers and said auxiliary strips for moving the latter substantially in parallelism, to increase the effective size of the pattern.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MOSES BOGUSHEFSKY.

Witnesses:

AARON PASNER,
JOSEPH GULOHN.