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H. N. PLANT.

ADJUSTABLE DRESS CHART.

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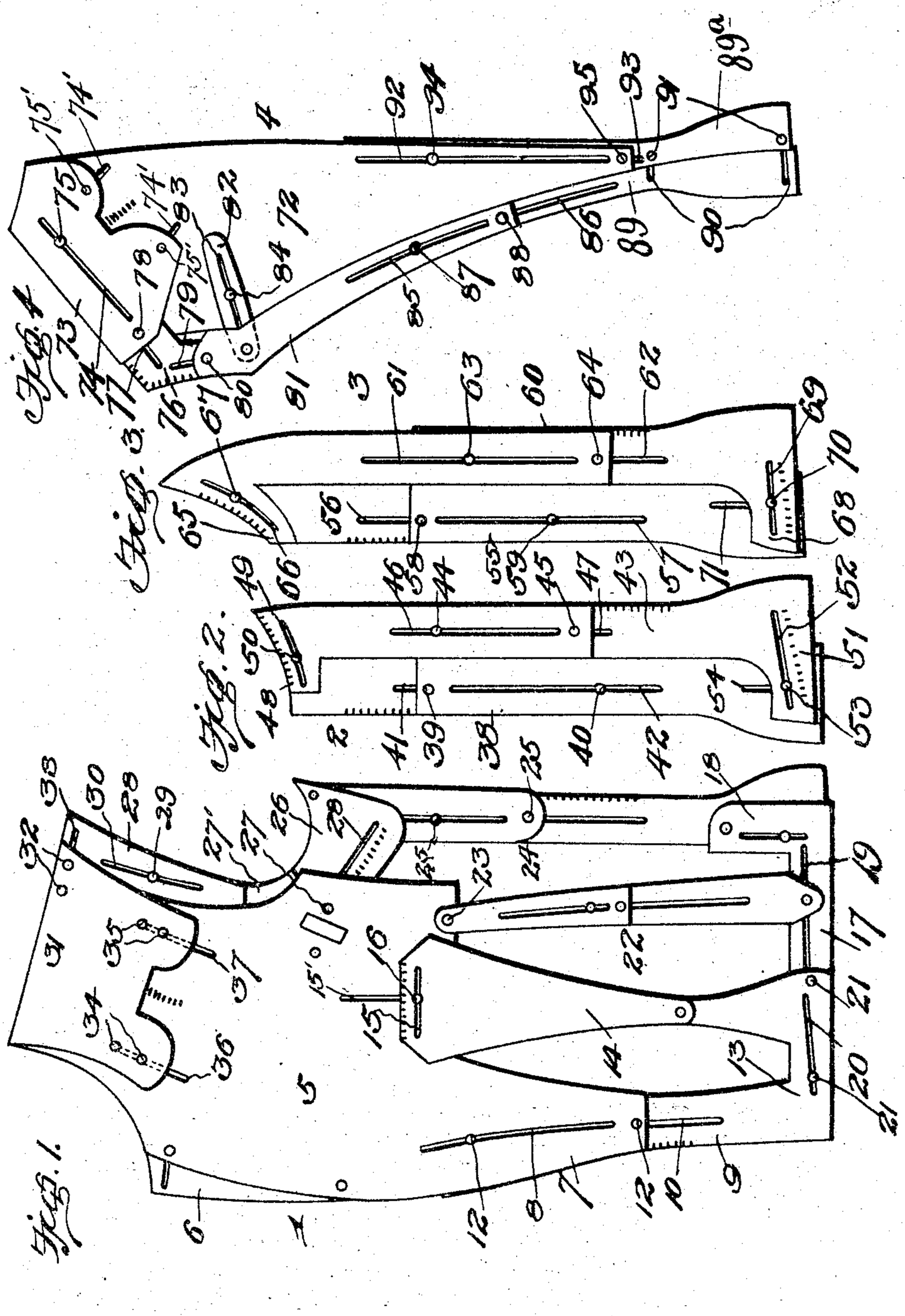

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UNITED STATES PATENT OFFICE.

HARRY N. PLANT, OF BIDDEFORD, MAINE.

ADJUSTABLE DRESS-CHART.

SPECIFICATION forming part of Letters Patent No. 782,415, dated February 14, 1905.

Application filed October 28, 1904. Serial No. 230,412.

To all whom it may concern:

Be it known that I, HARRY N. PLANT, a citizen of the United States, residing at Biddeford, in the county of York and State of Maine, have invented certain new and useful Improvements in Adjustable Dress-Charts; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in adjustable dress-charts.

The object of the invention is to provide a chart of this character which may be adjusted at all points, thereby enabling the parts of a garment to be accurately cut by the same in a manner that will insure the perfect fitting of the garment.

With this object in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a plan view of the front piece of the chart. Fig. 2 is a similar view of the under-arm piece. Fig. 3 is a similar view of the side-body piece, and Fig. 4 is a similar view of the back-body piece.

In the embodiment of my invention I provide a front piece 1, an under-arm piece 2, a side-body piece 3, and a back-body piece 4.

The front piece 1 is preferably formed of a main section 5, to the front edge of which is pivotally connected an adjustable bust-templet 6. The front side of the section 5 extends downwardly, as shown at 7, and in the same is formed a vertically-disposed slot 8. To the portion 7 is adjustably connected a front templet 9, in which is formed a vertically-disposed slot 10, said templet 9 and portion 7 being adjustably connected together by means of rivets or other suitable fastening devices 12, which are engaged in the slots 8 and 10 of said parts. On the lower end of the templet 9 is formed a rearwardly and upwardly projecting member 13, to the upper end of which is pivotally connected a dart-forming templet 14. The upper end of the templet 14 is provided with a horizontally-disposed slot 15, and in the adjacent portion of the section 5 is formed a vertically-disposed slot 15′, whereby said templet is adjustably connected to the section 5 by means of a suitable fastening device 16. To the lower portion of the templet is adjustably connected a templet 17, on the rear end of which is formed an upwardly-projecting portion 18. The templet 17 has formed therein a longitudinally-disposed slot 19, and in the templet 9 is formed a similarly-disposed slot 20, said templets 9 and 17 being adjustably connected together by means of rivets 21, which project through said slots 19 and 20. In the slot 19 of the templet 17 is also adjustably connected the lower end of a dart-forming templet 22, said templet being formed in two slotted sections which are adjustably connected together by means of rivets or other suitable fastening devices, as shown. The upper end of said templet is pivotally connected to the sections 5, as shown at 23.

To the upper end of the portion 18 of the templet 17 is adjustably connected a dart-forming templet 24, said templet being formed in two slotted sections which are adjustably connected together by means of rivets 25. The upper end of said templet is pivotally connected to the upper end of an armhole-templet 26, which is adjustably connected to the section 5 by means of a rivet 27, which is adapted to engage a slot 28, formed in said templet 26. Pivotally connected to the templet 26 is an armhole-templet 27′, which is slidably connected at its upper end to an upper shoulder armhole-templet 28 by means of a rivet 29, which is adapted to engage a slot 30, formed in said templet 28. The upper end of said templet 28 is adjustably connected to a shoulder-templet 31 by means of rivets 32, which engage a slot 33, formed in the upper end of the templet 28. The shoulder-templet 31 is adjustably connected with the upper end of the section 5 by means of pairs of rivets 34 and 35, which are adapted to engage segmental slots 36 and 37, formed in said section 5.

The under-arm piece 2 of the chart consists of a front strip 38, which is formed in upper and lower sections, adjustably connected together by means of rivets 39 and 40, which are adapted to engage vertical slots 41 and 42,

formed in said sections, whereby said sections may be adjusted vertically to lengthen or shorten said front piece. Adjustably connected to the front piece 38 is a rear piece or strip 43, said strip being formed in two section adjustably connected together by means of rivets 44 and 45, which are adapted to engage two vertically-disposed slots 46 and 47, formed in said sections. The upper end of the upper section of said rear strip has formed thereon a forwardly-projecting armhole portion 48, having formed therein a segmental slot 49, which is engaged by a rivet 50 on the upper end of the front strip or section 38. The lower end of the rear strip 43 has formed thereon a forwardly-projecting portion 51, having formed therein an inclined slot 52, through which is adapted to project a rivet 53, which also engages a vertically-disposed slot 54, formed in the lower end of the front strip 38, whereby the lower end of said rear strip is adapted to have a vertical and lateral adjustment with respect to said front strip. The upper end of said rear strip is adjusted laterally upon said front strip by means of the slot 49.

The side-body strip 3 is formed similar to to the under-arm piece 2 and consists of a forward strip 55, which is formed in upper and lower sections, having arranged therein vertically-disposed slots 56 and 57, through which project rivets 58 and 59, whereby said sections are vertically adjusted. Connected to said front strip 55 is a rear strip 60, said strip being also formed of upper and lower sections having arranged therein slots 61 and 62, with which are engaged rivets 63 and 64, whereby said sections are vertically adjusted. In the upper end of the section 60 is formed a downwardly-projecting segmental armhole portion 65, having formed therein a segmental slot 66, with which is adapted to be engaged a rivet 67, whereby the upper end of said rear strip is adapted to have a rearward and upward adjustment with respect to said front strip. On the lower end of the strip 60 is arranged a forwardly-projecting portion 68, having formed therein an inclined slot 69, through which projects a rivet 70, said rivet being also engaged with a vertically-disposed slot 71, formed in the lower end of the strip 55, whereby the lower end of said rear strip is adapted to have a vertical and lateral adjustment with respect to said front strip.

The back-body piece 4 of the chart consists of a main section 72, on the upper end of which is adjustably connected a shoulder-templet 73, having formed therein an inclined slot 74, with which is engaged a rivet 75, and in the piece 4, adjacent to the lower rear edge of the shoulder-templet 73, are formed two slots 74′, said templet being provided with rivets or other connections 75′, whereby said shoulder-piece is adapted to have a lateral upward adjustment on said section 72. Adjustably connected to the lower end of the templet 73 is an angularly-formed templet 76, in the upper portion of which is formed a slot 77, with which is engaged a rivet 78, whereby the upper end of said templet is adjustably connected to the templet 73. In the lower end of the templet 76 is formed a slot 79, with which is adapted to be engaged a rivet 80, whereby said templet is adjustably connected to the upper end of a dart forming templet 81. The templet 81 is connected to the section 72 by means of a link or strap 82, said strap having formed therein a slot 83, with which is adapted to be engaged a rivet 84 on the section 72. Thereby said templet 81 is adjustably connected with said section 72. Said templet 81 is preferably formed of an upper and lower section, which are adjustably connected together by means of slots 85 and 86, through which are adapted to project rivets 87 and 88, whereby the adjustment of said sections is accomplished. To the lower end of the templet 81 is connected the upper end of a dart-forming templet 89. Said templet 89 is adjustably connected to the templet 81 by means of the slots 85 and 86 and the rivets 87 and 88, as shown in Fig. 4. The upper portion of a similar templet 89ª is adjustably connected to the lower end of the section 72 by means of slots 92 and 93, with which are adapted to be engaged rivets 94 and 95. By means of this adjustment the back-body piece 4 may be lengthened or shortened, while adjustments of the other templets may be made to vary the size and shape.

To each of the pieces forming the chart and in proper position with respect to the adjustable sections or templets are arranged graduated scales, whereby the proper adjustment of said sections and templets may be had to form a perfectly-proportioned pattern upon which the goods may be cut, thus insuring a perfect fit after said goods have been made up.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

An adjustable dress-chart, comprising a front piece, an under-arm piece, a side-body piece and a back-body piece, said front and back pieces consisting of main sections having connected thereto adjustable shoulder-templets, adjustable armhole-templets and adjustable dart or waist forming templets, said under-arm and side-body pieces being formed of vertically and laterally adjustable

sections, whereby the size and shape of the same may be varied, said templets and sections provided with slots, fastenings arranged in said slots whereby said parts are adjustably connected together, and graduated scales arranged adjacent to said slots whereby the adjustment of said parts may be accurately gaged, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HARRY N. PLANT.

Witnesses:
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