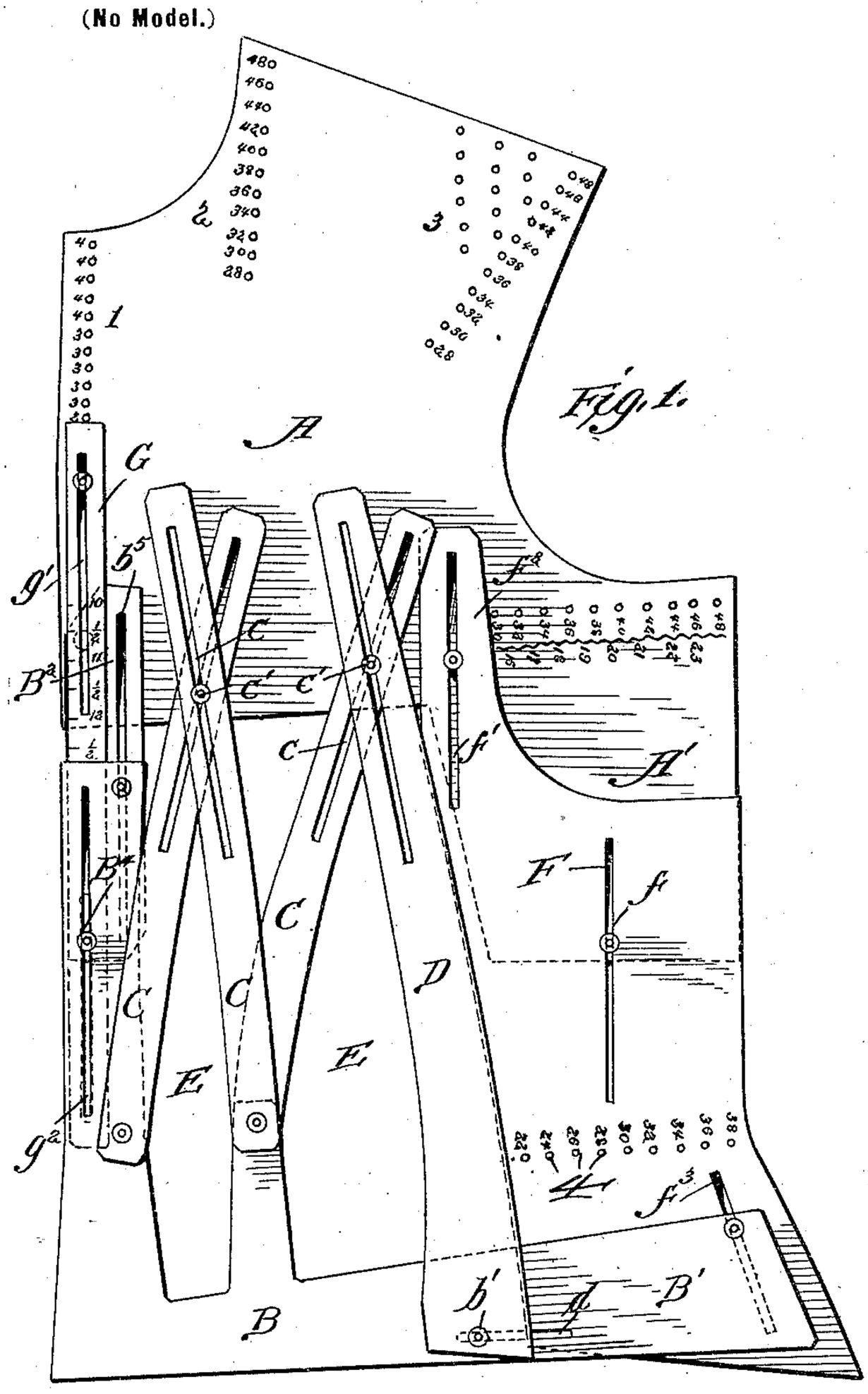
No. 662,817. Patented Nov. 27, 1900.

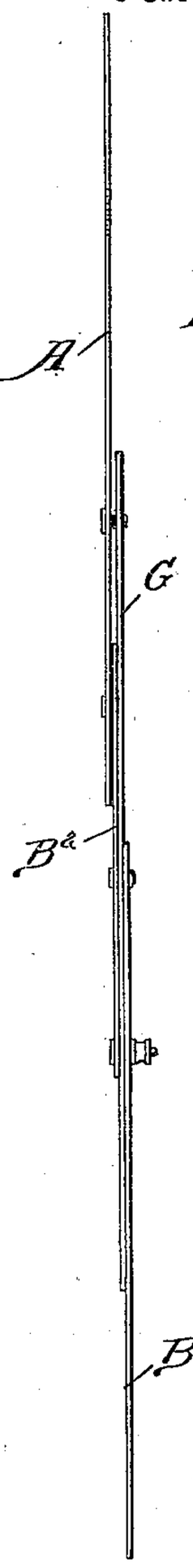
J. B. PLANT.

DRESS CHART.

(Application filed Jan. 26, 1900.)

(No Model.) 3 Sheets—Sheet 1.





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(No Model.) 3 Sheets—Sheet 2.

Fig. 3.

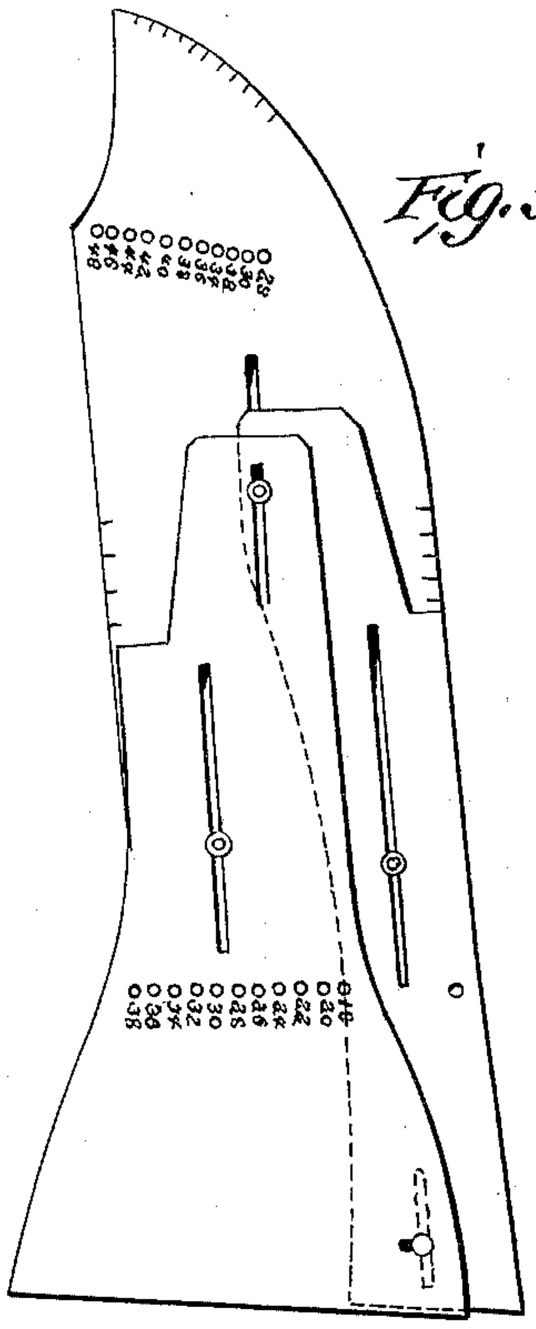

Fig. 4.

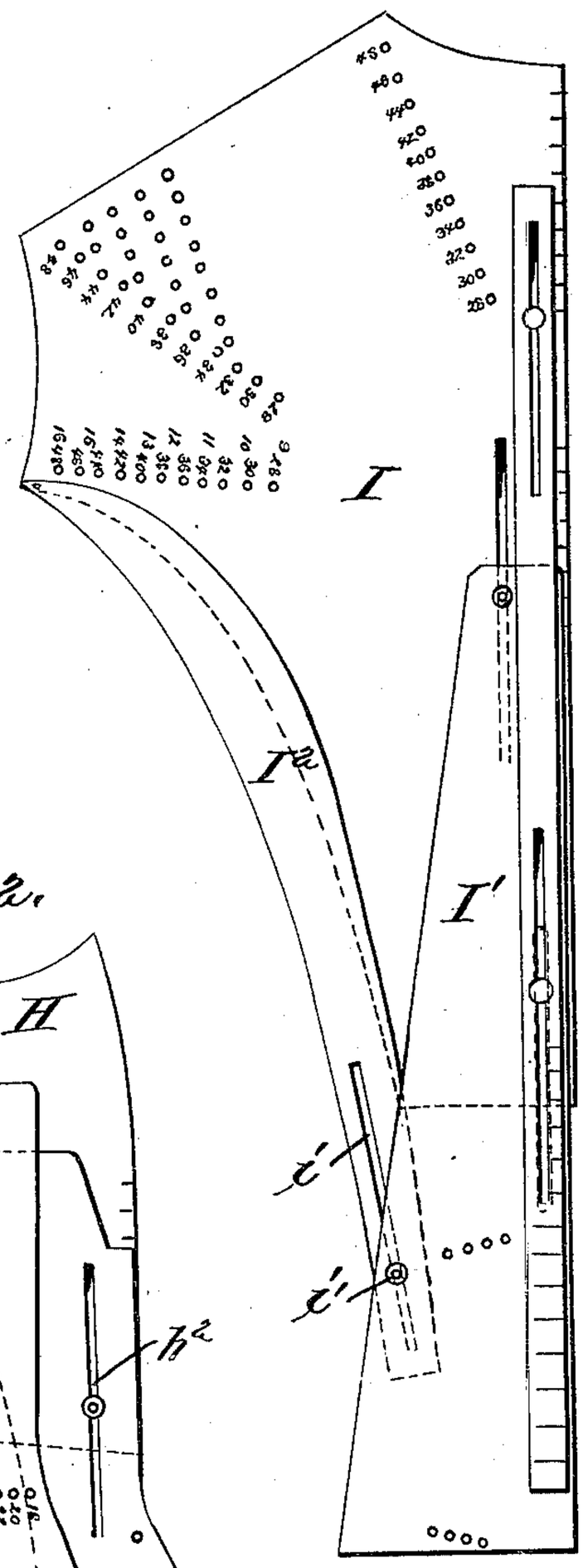

Fig. 2.

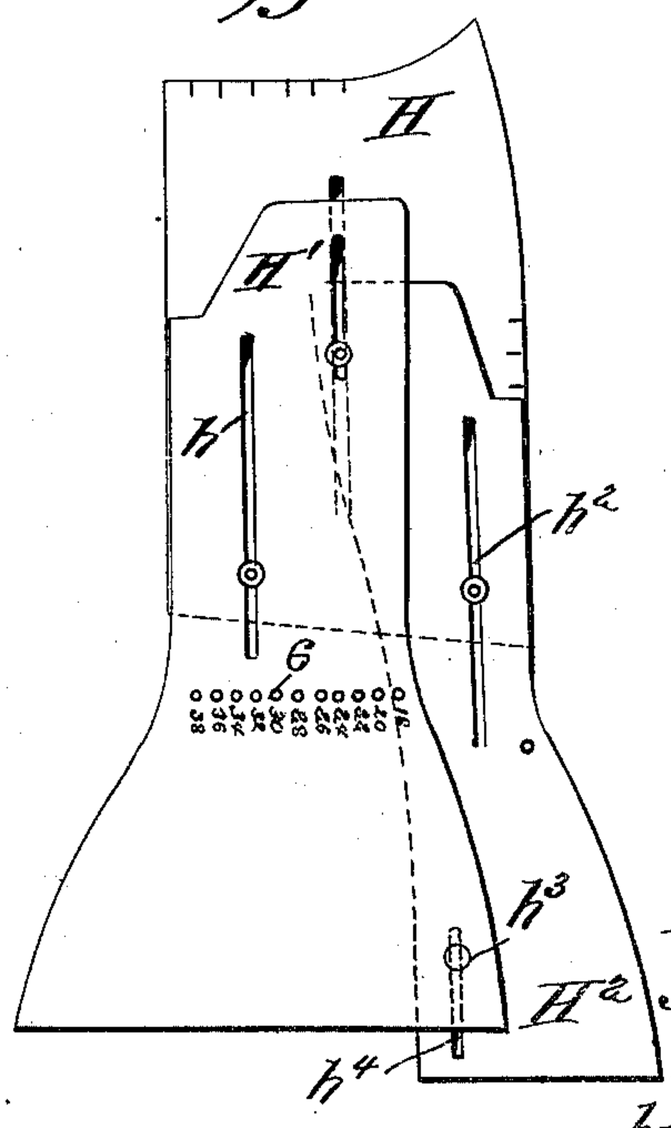

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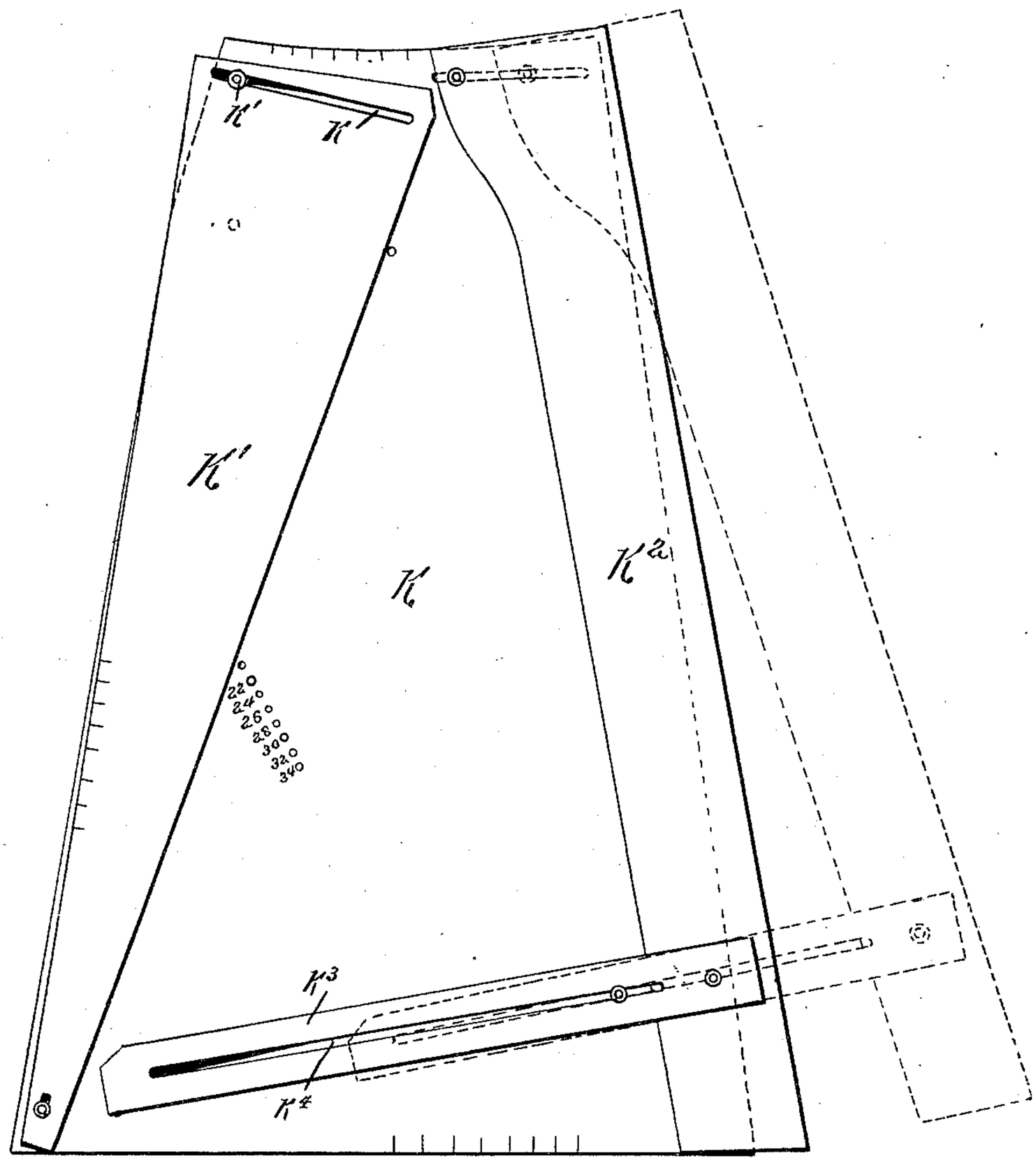
Fig. 5.



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UNITED STATES PATENT OFFICE.

JOHN B. PLANT, OF PAWTUCKET, RHODE ISLAND.

DRESS-CHART.

SPECIFICATION forming part of Letters Patent No. 662,817, dated November 27, 1900.

Application filed January 26, 1900. Serial No. 2,892. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. PLANT, a citizen of the United States, residing at Pawtucket, Rhode Island, (whose post-office address is Biddeford, Maine,) have invented certain new and useful Improvements in Dress-Cutting Charts, of which the following is a specification.

My invention relates to a system of dress-cutting, and includes a series of pattern-pieces corresponding to the different parts of the garment to be cut, and each of these pattern-pieces is composed of a series of movable sections adapted to be adjusted to the dimensions of the body to be fitted and forming after thus adjusted a correct pattern which may be laid upon the cloth and along the outline of which the goods may be cut or where in some cases certain of the dimensions are less than the outline of the pattern-piece lines may be drawn and the pattern cut upon these lines.

In the accompanying drawings the invention is illustrated.

Figure 1 shows a view of the pattern-sheet adapted to be used to cut the front sections of the waist. Fig. 1^a is an edge view of the same. Fig. 2 illustrates the pattern-sections for the part of the waist beneath the arm. Fig. 3 shows the section for the side of the back of the waist. Fig. 4 shows the section used in cutting the material for the back of the waist. Fig. 5 shows the pattern-section for the skirt.

Referring to Fig. 1, it will be observed that this piece is made up of a series of sections adjustably connected together. The section A provides a pattern for the front upper part of the waist between the neck and arm openings, and adjustably connected to this section is a section B, which carries a series of sections C pivotally connected at their lower ends, with their upper ends provided with elongated slots *c*, which slots engage headed pins *c'*. Two of the sections C cross at the position of the pin and are held by the same pin. These pins are carried at the lower front edge of the section A. The three sections *c* form, with a fourth section D, dart-sections and they indicate in the spaces E the size of the dart-openings, and these openings will always conform to the length of the waist as the section B in its adjustment up or down according to the length of waist will automatically vary the shape and length of the dart-openings. The fourth dart-section D varies from the sections *c* in that it extends to the lower part of the section B, where it engages a slot *d* through the medium of a headed pin *b'*, which passes through the slot *d* in the extension of the section B and through an opening in the dart-section D, the pin being threaded and provided with a thumb-nut, thus allowing the dart-section D to be moved laterally and to be fixed after such adjustment and then the width of the second dart-opening may be increased or diminished at will. The third section F is adjustably secured to the section A at the rear thereof, and this is intended in connection with the part A' of the main section to give the length of the waist at the rear of the front section and to also give the outline of the rear edge of the front part of the waist. This section F is made independently adjustable of the sections A and B, for the reason that the waist-line varies toward the rear of the front waist-section in different indviduals and requires to be independently ascertained. The section F is provided with an elongated slot *f* about centrally of its width and a second slot *f'* formed in an extension f^2. Headed pins pass through the elongated slots *f* and *f'* and serve as guides to direct the movement of the section F. The extension B' of the section B laps the lower part of the section F, and a headed pin, carried by the extension B', engages an elongated slot f^3 and serves as a support and guide for the parts. The front edge of the section B is furnished support from the main section by an independent piece B^2, which is riveted at its upper end to the section A at its front edge and engages the front edge of the section B by means of a headed pin, the end of which passes through an elongated slot B^4 and has a thumb-nut on the upper end, so that when the parts are once adjusted they may be held in position until the pattern or cloth is cut. The edge section B^5 of the main section B is further guided by a headed pin passing through the upper end thereof and engaging an elongated slot in the supporting-section B^2, this slot being shown at b^5. To

secure the proper length of waist on the front line of the waist-section, I provide a graduated strip G, having elongated slots at top and bottom, as at g' g^2, the upper slot engaging a headed pin fastened to the main section A, while the lower slot engages the pin which connects the extension B^5 with the supporting-section B^2. A series of perforations are arranged, as shown at 1, 2, and 3, in section A, and these are graduated so as to provide for different measurements of the bust, while the graduated strip G serves to ascertain the length of the waist after the bust has been ascertained by being adjusted in relation to the bust-measure, and when this has been ascertained the section B is moved up or down to give the proper length of the waist, the dart-sections automatically indicating the amount of material to be removed to provide for the dart-openings. The section F is provided with a series of openings 4 to indicate the waist-line and, as has been stated, is independently adjusted.

Fig. 2 illustrates the pattern-sheet for the dimensions under the arm of the waist or corsage and consists of three sections H, H', and H^2. Section H has a central elongated slot, and mounted upon this section is the section H^2, and overlapping the section H^2 is the section H'. The latter section has an elongated slot on the right-hand side of its upper end, and a headed pin passes through the elongated slot of H, an opening in H^2, and the elongated slot of H', and upon its threaded end carries a thumb-nut. This arrangement allows of the adjustment of the sections H^2 H^3 simultaneously in relation to section H or independently in relation to section H or to each other. The section H' is further guided by an elongated slot h, parallel to the left-hand edge, which engages a headed pin stationary in the lower part of the section H, this pin being shown in section H'. A series of graduated perforations 6 properly numbered indicate the waist-line. Section H^2 is also provided with an elongated slot h^2, which engages a headed pin, and this serves to properly guide the part in its adjustment. The two parts H' and H^2 are connected at their overlapping lower ends by universal connection consisting of a laterally-extended slot h^3 in the part H' and a longitudinally-extending slot H^4 in the part H^2, a headed pin passing through these slots and allowing longitudinal movement of the parts H' H^2 and a slight lateral movement of the parts H' H^2 in relation to each other. The side and top edges of the part H are properly graduated.

Fig. 3 shows the pattern-piece for the side back of the corsage and only differs from the piece shown in Fig. 2 in its outline. In other respects it is identical, being composed of three sections capable of independent adjustment, the two lower sections being capable of slight lateral adjustment as well as longitudinal adjustment.

Fig. 4 is the pattern-piece for the back and consists of the main section I, with a vertically-sliding section I' and a pivoted section I^2 pivoted at its upper end and having an elongated slot at its lower end, as at i, which engages a headed pin i' in the section I', with the result that as the section I' is moved longitudinally the pivoted section I^2 is automatically adjusted in or out, so as to have the width correspond to the length of waist. The section I' is guided at two points by elongated slots and headed pins. A graduated scale, also having longitudinal movement, is guided along the edge of the pattern-sheet, so as to give the proper length of waist, this scale being used in connection with the graduated scale made a part of the main sheet I. This sheet is provided with a series of perforations graduated, which will allow for variations in the body measured in accordance with this system.

Fig. 5 shows the pattern-sheet for the skirt and is composed of three sections K, K', and K^2. The main section K is graduated at top and bottom, and carried by it is a section K' of the shape shown, pivoted at its lower end and adjustable at its upper end through an elongated slot k, engaging a headed pin k'. On the opposite side of the main sheet K the section K^2 is connected at its upper end through an elongated slot in the sheet K and a headed pin carried by the section K^2, and the section is thus adapted to be swung in or out to widen or narrow, according to the measurement required, while at its lower end it is adapted to be swung out a distance from the main sheet K, being connected thereto by a link k^3, which is pivoted at its outer end to the section K^2 and connects with a headed pin on the sheet through an elongated slot k^4.

What I claim is—

1. In combination in a dress-cutting chart, a pattern-sheet for the front of the waist consisting of a main section A having a rear extension, a part F having a sliding connection thereto and forming a continuation of the same, an angle-piece having one member secured to the part F near the lower edge thereof, and the other member extending at right angles thereto in line with the front edge of the part A, means for connecting said latter member adjustably to said edge, and dart-sections pivoted to the angle-piece, said sections being slotted and arranged in pairs the members of each pair converging toward a common pivotal point, a pivot common to each pair of sections extending through the slots therein whereby a sliding pivotal connection is provided, said pieces crossing an opening space formed by the angle-piece, the section A and the piece F, and defining dart-openings, said pieces shifting both longitudinally and laterally as the angle-piece is moved to change the shape of the dart-openings, substantially as described.

2. In combination in a dress-cutting chart, a main section, a section F forming a continuation of the rear thereof having a sliding

connection thereto, an angle-piece having one member connected to the part F and the other member extending in line with the front edge of section A, said angle-piece forming with the lower edge of the part A and the inner edge of part F, a central open space, dart-pieces pivoted to the angle-piece crossing said space and slidably connected in pairs to the part A, and means for adjustably supporting the angle-piece from the part A, said dart-pieces moving laterally and longitudinally as the angle-piece is adjusted, one of said dart-pieces having an independent lateral adjustment.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN B. PLANT.

Witnesses:

THOMAS W. ROBINSON,

GEORGE A. SCHUYLER.