To all whom it may concern:

Be it known that I, EDWARD CURRAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois,

have invented a new and useful Improvement in Devices for Drafting Skirt-Patterns, of which the following is a specification.

My invention relates to improved means for use in laying out or drafting the patterns of gored skirts.

The measurements taken for a skirt are those about the waist and hips of the person for whose wear the skirt is intended and also those necessary to determine the lengths at the front, sides, and back of the skirt.

My object is to provide a set of companion implements which are preferably in the form of skeleton frames, of improved construction, and which may be readily adjusted to conform relatively to measurements taken as described and which when adjusted will present guide edges, along which the patterns may be accurately traced upon the cloth from which the skirt is to be made or along which the cloth may be cut in the first instance to present sections or gores, which when sewed together will form a well-fitting skirt.

In the drawings, Figure 1 is the front-gore pattern-section of a set; Figs. 2 and 3, side gore pattern-sections; Fig. 4, the back-gore pattern-section; Fig. 5, an enlarged section taken on line 5 in Fig. 1 and showing a desired form of fastener for holding adjustable members of the pattern-sections together;

Fig. 6, an enlarged broken detail view of the upper adjustable members of the front-gore pattern-section, and Fig. 7 an enlarged broken detail view of the upper members of one of the side-gore pattern-sections.

The different sections or gore-patterns present skeleton frames, which may be formed of strips of thin metal, though I form them preferably of strong and flexible cardboard. Each of the gore patterns or sections has a front strip a, made up of relatively adjustable upper and lower members a', a", respectively, a rear strip b, formed of relatively adjustable upper and lower members b', b", respectively, and a bottom strip c. At the tops of the members a' of each of the patterns is a backward-extending offset d. The offsets d of the front and side gore patterns are provided with slots e, each marked with a scale d. The members a' of the front and side gore patterns are also provided with backward-extending offsets e at the hip-line, provided with slots e', marked with scales e'. One of the members of each of the front and back strips, preferably the upper members a' b', are provided along their lower end portions with longitudinal slots f, marked with scales f', as shown, and extending through each of the lower members of the forward and rear strips are fasteners g, which extend through the slots f to hold the members together in sliding contact. The fasteners g may be of any desired form, those I prefer to employ being of the ordinary pronged paper-fastener. In the case of the back-gore pattern D the top offset d is pivotally fastened to the top of the member b'. The member b' of the gore-sections A, B, and C have link extensions b", pivotally fastened at their lower ends to the upper ends of the members b'. Pivotally connected at one end with the upper end of each of the sections b' of the patterns A, B, and C are links h, provided at their free ends with fasteners g, extending through the slots e of the offsets d, and on the same members at the hip-line are pivotal links k, provided at their free ends with fasteners g, engaging the slots e' of the offsets e. The bottom strips c are curvilinear in form and pivotally connected at one end with the lower ends of the members c", and along their opposite end portions are provided with longitudinally-extending slots e', marked with scales e'. At the lower ends of the members b' are fasteners g, engaging the slots e' of the strips c. The skirt-pattern is intended for use in shaping gores for a skirt of a particular style, and different patterns would have to be provided for different styles. The front strips a of the front-gore pattern and rear strip b of the back-gore pattern are straight, while the other strips a and b in all the patterns are shown to be curvilinear to give proper shape to the gores for the present style of skirt. Each of the scales e may be marked with figures indicating inches, say, from "35" to "56." Each of the scales e' may be marked with figures indicating inches, say, from "35" to "56," each of the scales f' with...
figures indicating inches, say, from "36" to "46," and the scales with figures indicating from, say, "3" to "5" yards. Presuming the measurements of the person for whom the skirt is intended to be waist twenty-two inches, around the hips forty-two inches, length of front forty-two inches, length of side forty-four inches, length of back forty-five inches, and that the skirt is to be four and one-fourth yards around the bottom, each of the links would be moved to register at its end with the line "22" on the scale, each of the links would be moved to register at its end with the line "42" on the scale, the members of the front-gore pattern and of the next pattern would be shifted to register at their upper ends with the lines "42" on the respective scales, the member of the first side-gore patterns and of the adjacent pattern would be shifted to register at their upper ends with lines "44" on the respective members, and the member of the second side-gore pattern and members of the back-gore pattern would be shifted or adjusted to register at their upper ends with the lines "45" on the respective members. The sections shown together form patterns for the gores of half the skirt, the other half being the same. The pattern-sections when adjusted are laid upon two layers of the cloth from which the skirt is to be made, and the outer edges of the sections form guides for cutting or tracing the gores.

The present patterns are for a seven-gored skirt. To produce a five-gored skirt from the same pattern, the sections B and C may be brought together at their upper and lower ends and the pattern traced or cut around the outer edges thereof.

The gist of my invention lies in the general construction of the sections or frames, which renders them adjustable in the manner described to accurately present patterns from measurements taken. The sections may obviously be changed to suit different styles of skirts, and the members may further be changed in the matter of details of construction without departing from the spirit of my invention as defined by the claim.

What I claim as new, and desire to secure by Letters Patent, is—

In a sectional device for drafting skirt-patterns, a gore-pattern section-frame having a side member composed of two sections one of which is slotted for sliding engagement with headed pins on the other section for lengthwise adjustment, a curvilinear side member formed of two adjustably-connected sections, a section flexibly joined at the hip-line to one of the side members, a slotted extension on the other member at the hip-line, links adjustably connecting the sections at the waist and hip lines, and a curved bottom section pivoted to the lower end of one member and slotted for adjustable connection with the lower end of the upper member.

EDWARD CURRAN.

In presence of—

ALBERT D. BACCI,
L. HEISLAR.