

(No Model.)

W. A. CRAIG.
CORSET.

No. 301,341.

Patented July 1, 1884.

Fig. 1

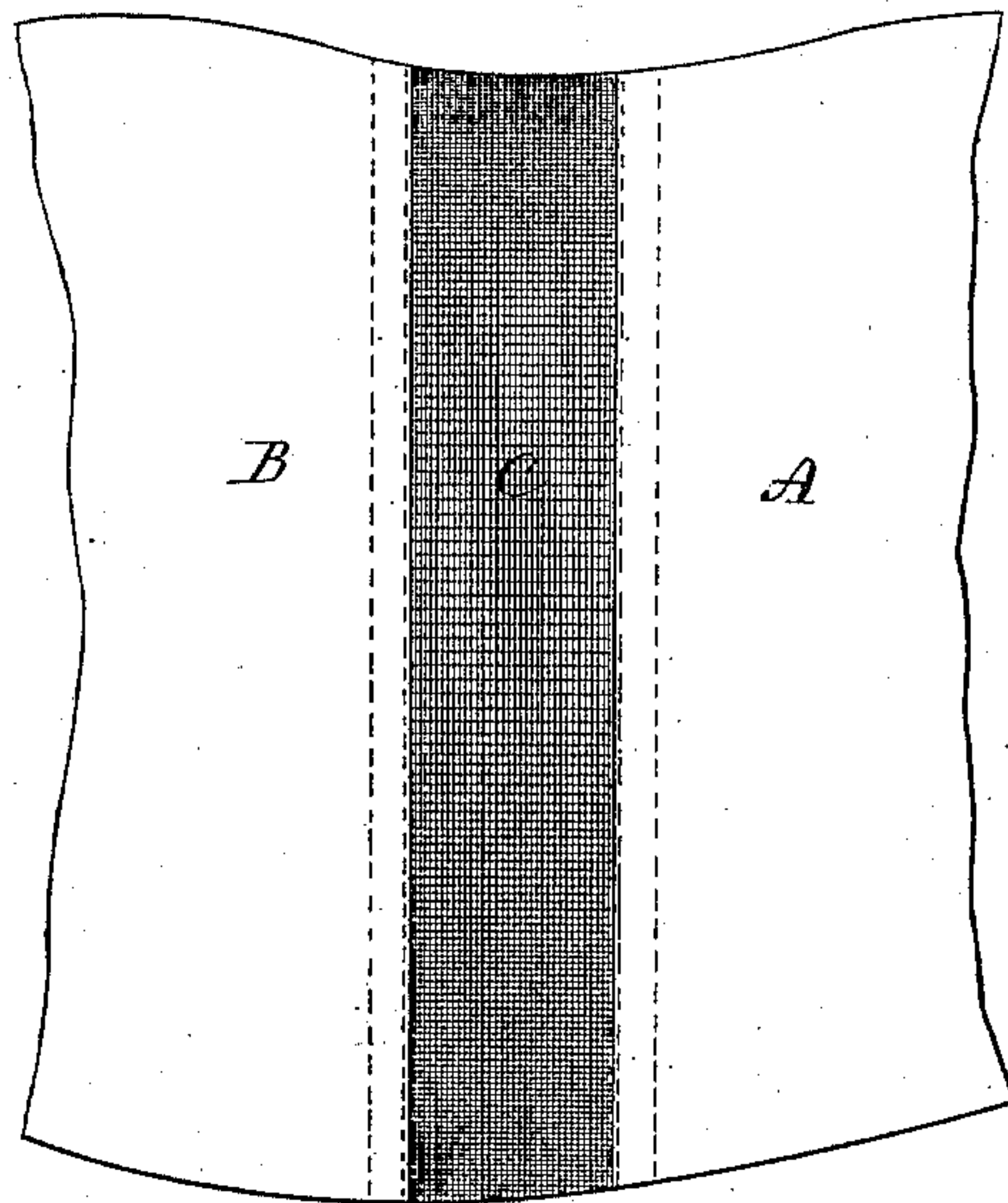
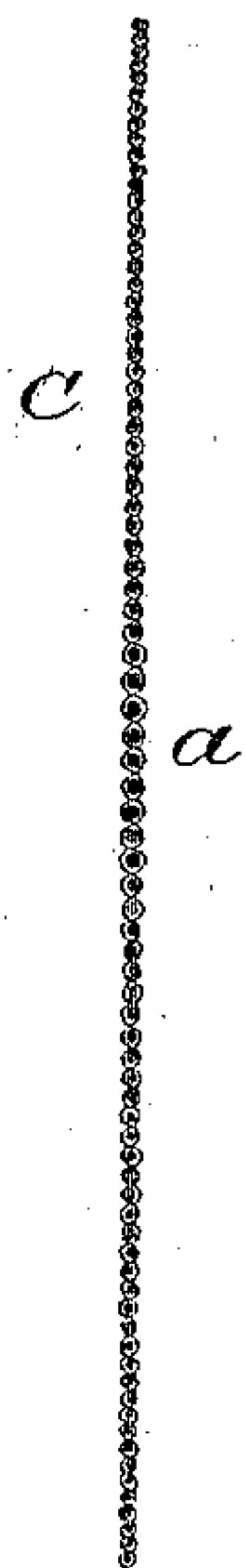


Fig. 2



Witnesses.
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UNITED STATES PATENT OFFICE.

WILLIAM A. CRAIG, OF NEW HAVEN, CONNECTICUT.

CORSET.

SPECIFICATION forming part of Letters Patent No. 301,341, dated July 1, 1884.

Application filed October 31, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. CRAIG, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Corsets; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; Fig. 2, a vertical central section.

This invention relates to an improvement in that class of corsets in which the hip-section, or that portion of it directly under the arms, is made elastic from top to bottom. In this class of corsets, where elastic material is produced by the introduction of india-rubber cords running transversely across the elastic section, the elastic material has been of the same character, grade, or strength of elasticity from top to bottom, giving the same resistance at the waist as at the bottom over the hips and at the top under the arms. Such equal yielding defeats, to a considerable extent, the prime object of this elastic section, as but little yielding is desired at the waist-line, while considerable is necessary at the top, and more at the bottom over the hips; hence the more general construction of corsets, where the section is made elastic, is to introduce a rigid or inelastic band at the waist-line, and an elastic gore-piece extending therefrom to the top and to the bottom, it being better to have the corset inelastic on the waist-line than to offer no greater resistance to expansion than is desired at the top or bottom.

The object of my invention is to produce a corset in which a woven elastic section may be employed from top to bottom, and yet accomplish the objects essential to a perfect corset; and the invention consists in a corset having an elastic section extending from top to bottom through the hip-section, the elastic material stronger at the waist-line, and diminishing therefrom both upward and downward, whereby the greatest resistance is offered at the waist-line, and that resistance dimin-

ishing toward the top and bottom, as more fully hereinafter described.

A represents the front part of the hip-section, and B the rear part, C representing the elastic section which extends from top to bottom—that is, from under the arm down over the hips. This elastic section C is made from woven material, having india-rubber threads introduced in the process of weaving, the threads midway of the width of the section, as at *a*, being the coarsest, and the threads gradually diminishing upward and downward from the central line.

It will be understood that the fabric is woven in the usual manner of weaving elastic or shirred fabrics—that is to say, the india-rubber is introduced under tension, and the fabric woven loosely, so that when left free the elastic warp-threads contract and shirr the fabric. From such a piece of elastic material the section C is cut, the warp-threads running transversely across the section, and so as to bring the coarser or strongest elastic warps at the waist-line. The section is stitched into the parts A B in the usual manner of stitching elastic sections. Because of the coarser or stronger elastic warp-threads at the waist-line, the greatest resistance is offered at that point, the resistance gradually diminishing toward the top and bottom, owing to the decreasing size or strength of the elastic warp-threads, the essential feature of my invention being the woven elastic hip-section, having the elastic warps at the center strongest, and gradually diminishing in strength or resistance from the waist portion, both up and down.

I claim—

A corset having a woven elastic section extending from top to bottom over the hips, the elastic warp-threads of the section being strongest at the waist portion, and diminishing in strength or resistance from the waist portion both upward and downward, substantially as described.

WILLIAM A. CRAIG.

Witnesses:

JOS. C. EARLE,
J. H. SHUMWAY.