

(No Model.)

M. W. HENIUS.

CORSET.

No. 368,286.

Patented Aug. 16, 1887.

Fig. 1

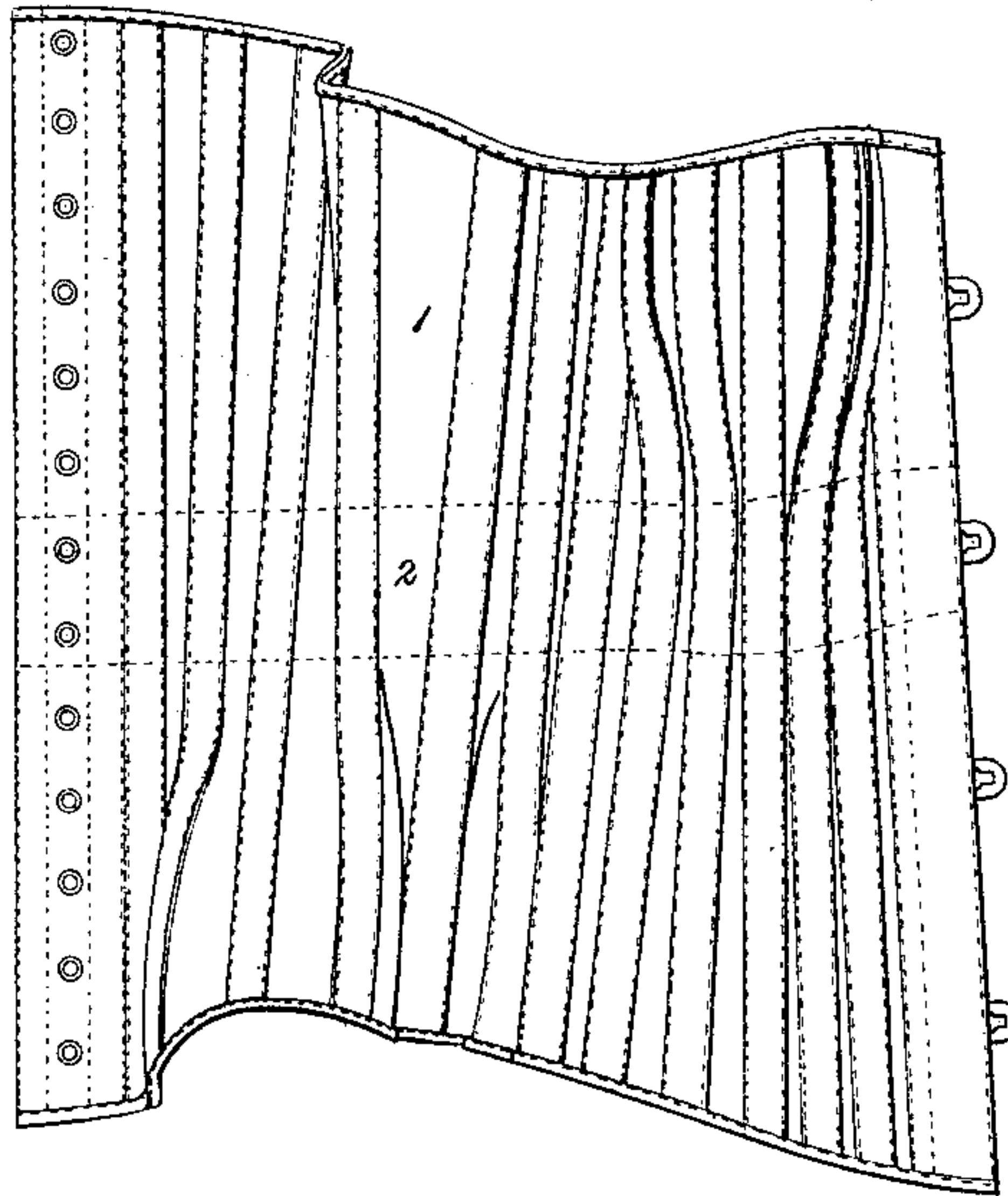


Fig. 3

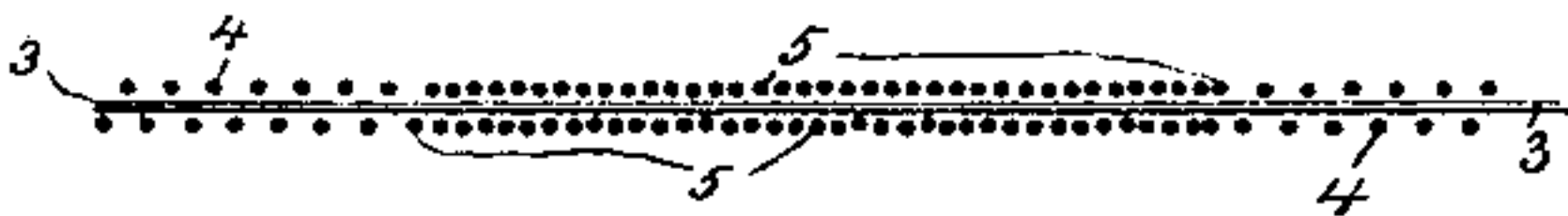


Fig. 4

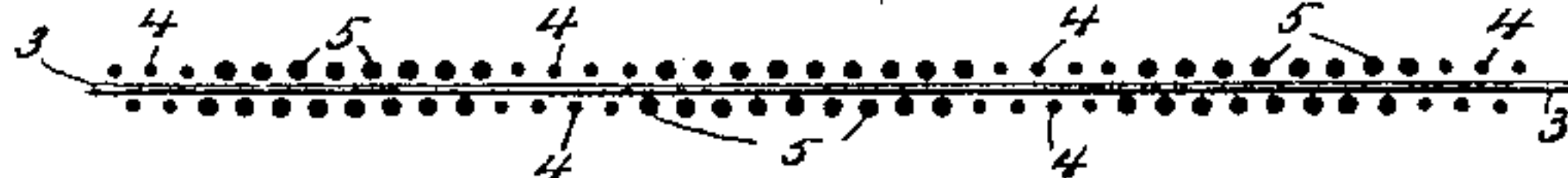
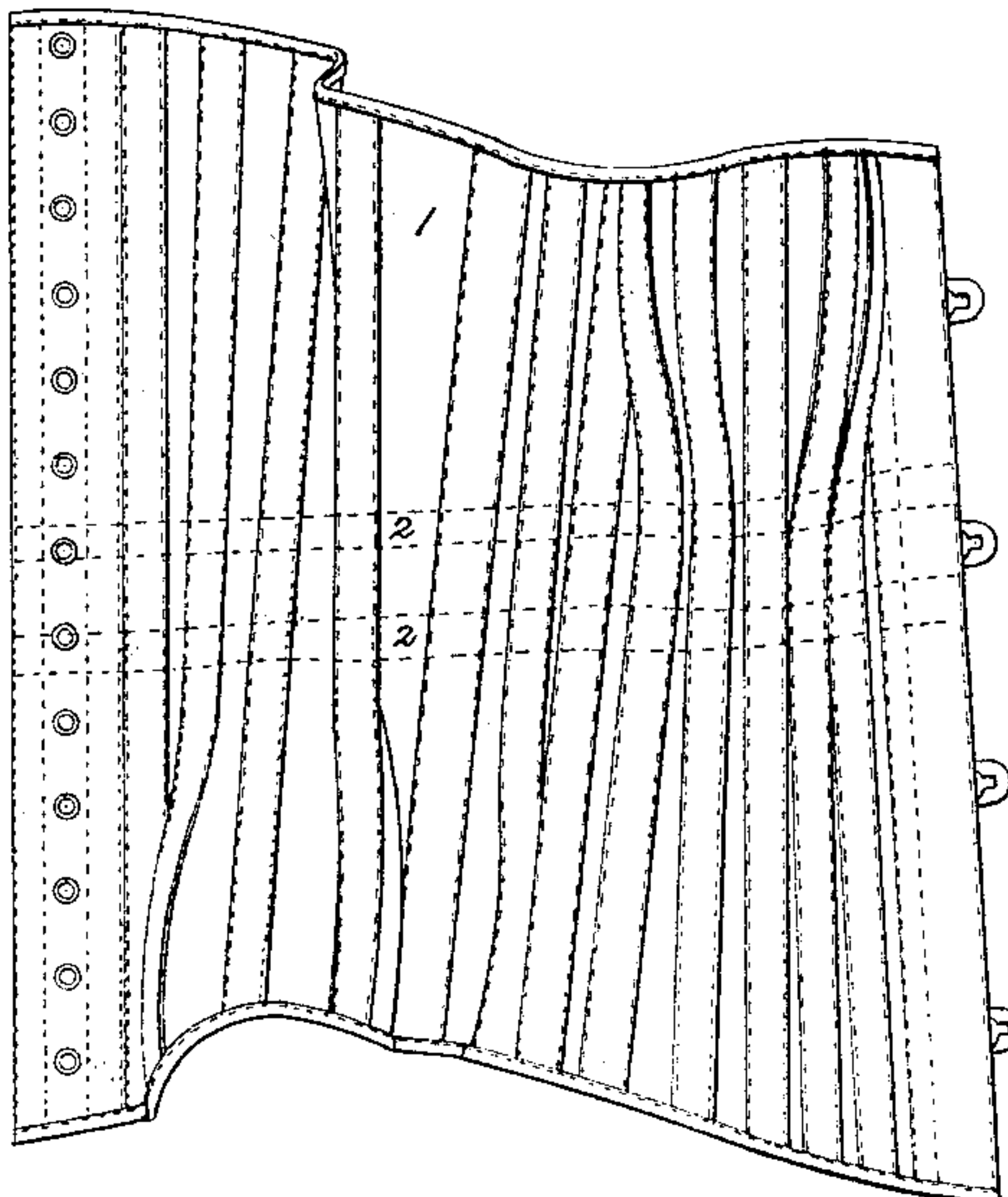


Fig. 2



Witnesses-

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UNITED STATES PATENT OFFICE.

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Application filed January 3, 1887. Serial No. 223,296. (No model.)

To all whom it may concern:

Be it known that I, MAX W. HENIUS, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Woven Corsets; and I do hereby 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.

My invention relates to the manufacture of woven corsets, and has for its object to so modify the construction of the corsets that all the advantages of woven corsets shall be retained, while at the same time the sole objection that can be raised to this class of corsets shall be wholly obviated with but slight, if any, increase in the cost of production.

It is of course well understood that all woven corsets are elastic and yielding. They are, moreover, durable and very comfortable to wear, as they quickly set or shape themselves to the curves of the figure. The objection, however, is that all portions of the corset stretch alike. While it is desirable that the corset should be elastic and yielding at the bust and the hips, it is also desirable that it should be non-yielding and inelastic at the waist. Woven corsets as ordinarily made quickly stretch to such an extent at the waist as to make them several sizes too large, thus impairing to a greater or less extent the firm support to the body for which corsets are ordinarily worn, and rendering them useless to persons at all fastidious in dress.

It is of course understood by those familiar with the art that corsets are woven in continuous strips upon special looms. By my present invention I am enabled in the weaving of the corsets themselves to wholly overcome the tendency of all classes of woven corsets to stretch at the waist.

My invention consists, broadly, in the use in certain portions of the corset of non-yielding warps. In practice I sometimes increase the number of the warps at certain portions of the corset, and sometimes their size. Both warps and wefts in this class of fabrics are ordinarily soft yarns but slightly twisted.

The essential principle of my invention is,

that while I use ordinary warps in the portions of the fabric which it is not desired to strengthen and render non-yielding, I add or substitute in certain other portions thereof a series of firm hard-twisted cotton, linen, or silk warp-threads.

Turning now to the drawings, Figure 1 is an elevation of a half-corset embodying my invention, a single wide non-yielding band at the waist of the corset being indicated by dotted lines; Fig. 2, a similar view, in which two bands of this class are indicated by dotted lines, one extending to the base of the bust-swell and the other to the top of the hip-swell; Fig. 3, a section across the non-yielding band, in Fig. 1 the band being shown as formed by greatly increasing the number of warps; and Fig. 4 is a cross-section in which two bands are shown as formed by using warps of a larger size.

1 denotes the body of the corset, and 2 strengthening-bands, one or more of which may be used, which extend longitudinally of the half-corsets, and are formed in the weaving by using either a greater number or a larger size of hard-twisted warp-threads.

3 denotes the weft or filling yarns; 4, the ordinary warps, consisting of the usual slightly-twisted yarns; and 5 the non-yielding warps in the bands, consisting of hard-twisted threads.

It will be seen that my invention is applicable to any portion of the corset that it is desired to make non-yielding. The special applications of my improvement, however, which I contemplate making are at the waist of the corset, and as stays for the bust and hip-swells, as is clearly illustrated in the drawings.

I am aware that woven corsets have heretofore been strengthened by waistbands woven separately and connected with the fabric of the corset at intervals, and make no claim to this class of corsets, as they differ wholly from my present invention.

I claim—

1. As a new manufacture, a woven corset provided with one or more non-yielding bands consisting of hard-twisted warp-threads integral with the corset.

2. As a new manufacture, a woven corset,

the body of which consists of ordinary warp and weft yarns, and which is provided with one or more strengthening-bands consisting of hard-twisted warp-threads, either a greater
5 number or a larger size of warps being used at the bands, which are integral with the cor-set.

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

MAX W. HENIUS.

Witnesses:

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A. B. FAIRCHILD.