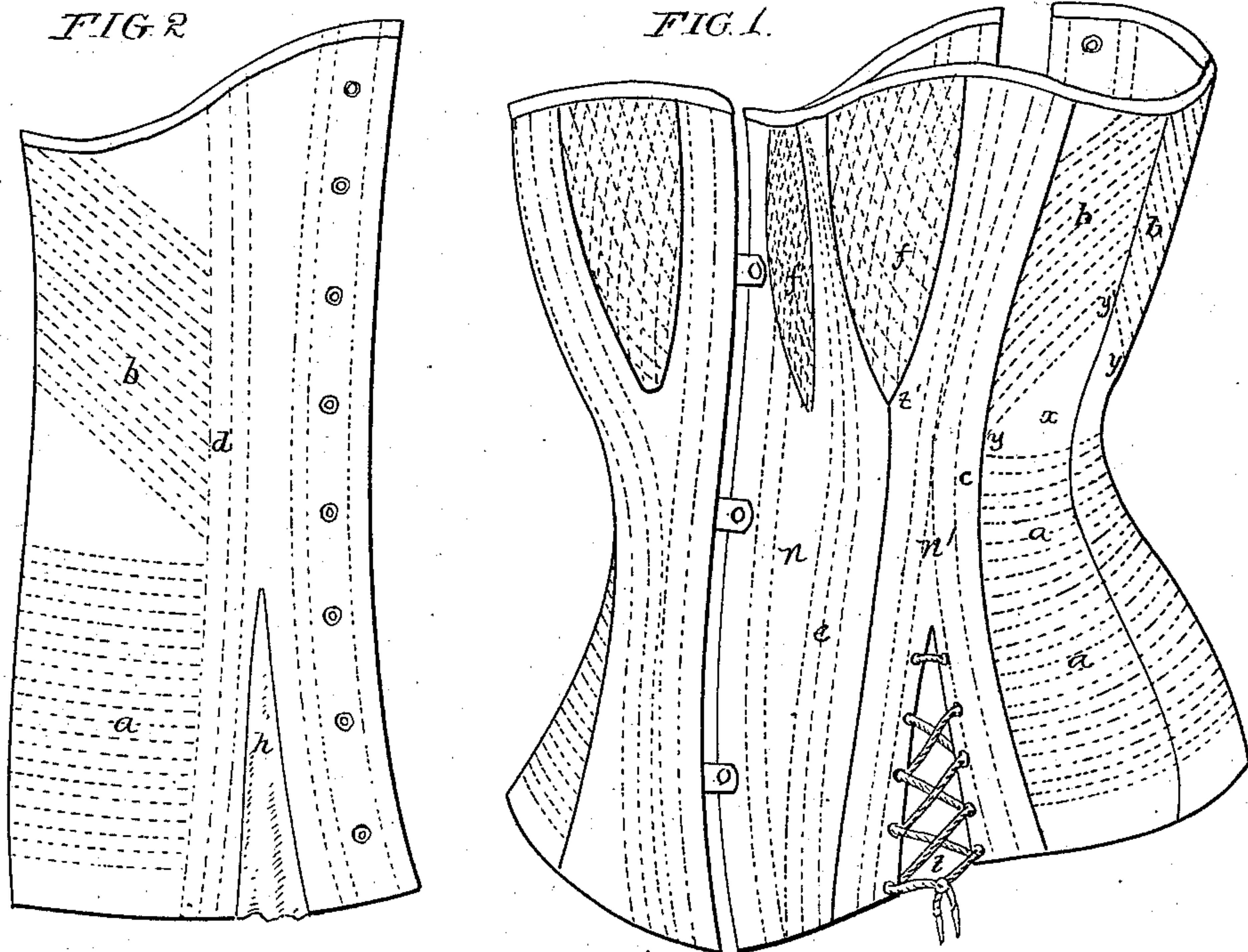


I. DeV. WARNER.  
Corset.

No. 197,913.

Patented Dec. 4, 1877



Attest:

Fred Benjamin  
George Thow

Inventor  
Ina DeV. Warner  
By his attorney  
Charles Effster



# UNITED STATES PATENT OFFICE.

IRA DE VER WARNER, OF NEW YORK, N. Y.

## IMPROVEMENT IN CORSETS.

Specification forming part of Letters Patent No. **197,913**, dated December 4, 1877; application filed October 30, 1877.

*To all whom it may concern:*

Be it known that I, IRA DE VER WARNER, of the city, county, and State of New York, have invented Improvements in Corsets, of which the following is a specification:

The object of my invention is a corset which is sufficiently rigid to support the figure at the points where there is necessarily but little movement, but is flexible and adapts itself readily to the movements of the body at other points, the construction being such as to facilitate economical manufacture, and insure a nice adaptation to the figure, with such adjustments as circumstances may demand.

In the accompanying drawing, Figure 1 is a perspective view of my improved corset, and Fig. 2 a rear view of one section.

In ordinary corsets the requisite stiffness beneath the arm and over the hip is obtained by means of vertical or inclined bones extending from the upper to the lower edge at these points. Owing to the great flexibility of the body around the waist the bones of such corsets are very apt to break near the waist portion, especially just above the hip.

A partial remedy has been afforded by cutting away the hip portion, impairing the stiffness of, and diminishing the support afforded by, the article.

I remedy these defects by using one or more series of bones, *a*, extending in a direction parallel, or thereabout, to the lower edge of the corset, and from the front to the back over the hip, imparting even greater stiffness at this point than the ordinary upright bones or steels, without impairing the flexibility of that portion, *x*, directly above the hip, which, therefore, accommodates itself perfectly to the movements of the body.

In order that the portion beneath the arm may be properly supported, I insert one or more series of diagonal bones, *b*, which are preferably inclined downward from the center nearly to the bones *a*, as shown, thereby giving a vertical stiffness to the whole section without interfering with the necessary flexibility at the point above the hips.

It will be apparent that the two series of short bones, *b*, arranged as shown, impart a rigidity gradually increasing from the points *y* to the point *y'*.

The front and back sections of the corset

are stiffened by bones *c d*, which, in consequence of the omission of the usual intermediate vertical bones, must be stiffer than those usually employed. I therefore use heavier bones *c*, and insert steels at the points *d*, which remedies the difficulty, with the additional advantage of affording a stiff but flexible support for the back.

As the transverse bones *a* render the corset less accommodating to the shape at the hips than would otherwise be the case, I slit the front section at *t*, and connect the edges by lacing, securing the necessary adjustment. I also insure a better fit by inserting a gore, *h*, at the lower edge of the back section.

In order to reduce the cost of the front section, I construct the same with one or more central bones, *e*, extending from the upper to the lower edge, and with a single gore, *f*, on each side of the bone at the top, the two pieces *n n'* constituting the front section, being connected only from the point *t'* to the lower edge, leaving a space for the insertion of the gore *f*, so that but one slash has to be made for the reception of the remaining gore.

I do not here claim the front section of two pieces with an inserted intermediate top gore, this forming the subject of a separate application for a patent; but

I claim—

1. A corset provided with a series of bones, *a*, extending from front to back, over the hip, substantially as set forth.

2. A corset having a flexible section, *x*, at the side between the hip and arm portions, as specified.

3. The series of bones *b*, arranged at an angle to each other above the hip portion, as set forth.

4. The combination, with the series of bones *a*, of the front section, slit and laced at *t*, as specified.

5. The divided back section, having central lacing and gores *h* on each side of the lacing, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

IRA DE VER WARNER.

Witnesses:

CHARLES E. FOSTER,  
FRED. BENJAMIN.

1750 words.