W. Darker, Jr.

Hoop Skirt.

No. 40379. Patented Oct. 20. 1863

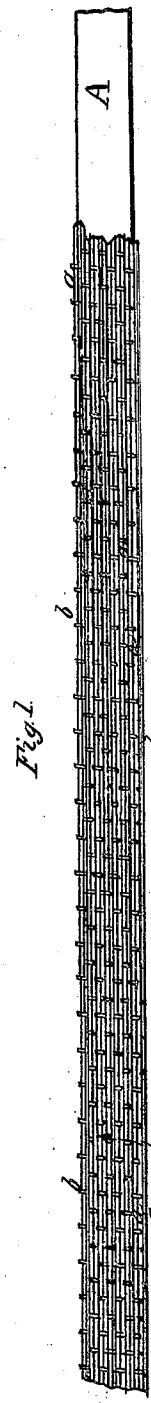


Fig. 1.

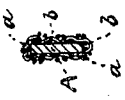


Fig 2.

Witnesses:
J. W. Coombs.
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UNITED STATES PATENT OFFICE.

WILLIAM DARKER, JR., OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO JOSIAH B. THOMPSON, OF SAME PLACE.

IMPROVEMENT IN SKIRT-WIRE.

Specification forming part of Letters Patent No. **40,379**, dated October 20, 1863; antedated October 10, 1863.

To all whom it may concern:

Be it known that I, WILLIAM DARKER, Jr., of the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Covered Skirt-Wire; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a longitudinal outside view of a piece of my improved covered wire. Fig. 2 is a transverse section of the same.

Similar letters of reference indicate corresponding parts in both figures.

This invention consists in the covering of skirt-wire by weaving, instead of by plaiting or braiding, as has heretofore been the common practice, thereby effecting great economy in the covering process by a great saving in the quantity of yarn required to produce a good covering, and in the power required to drive the necessary machinery, and making as good if not a superior article.

The most practical method of producing and applying the woven covering is by means of a circular loom, the wire passing through the center of the loom, the warp-yarns being arranged in a circular form around it, and the sheds being crossed by movements in a direction radial to the said center, and the filling-yarn being carried through them by the circular movement of a shuttle or carrier of suitable construction, the warp-yarns being arranged lengthwise of the wire A, and the weft running round it, as shown in Figs. 1 and 2, in which the warp-yarns are represented of gray tint, and indicated by the letters *a a*, and the weft-yarn represented of pink tint, and indicated by the letters *b b*. The covering may, however, be woven upon the wire by looms of other form.

What I claim as my invention, and desire to secure by Letters Patent as a new manufacture, is—

Skirt-wire with a woven covering, substantially as herein described.

WILLIAM DARKER, JR.

Witnesses:
R. MCMULLIN,
S. T. GREENLY.