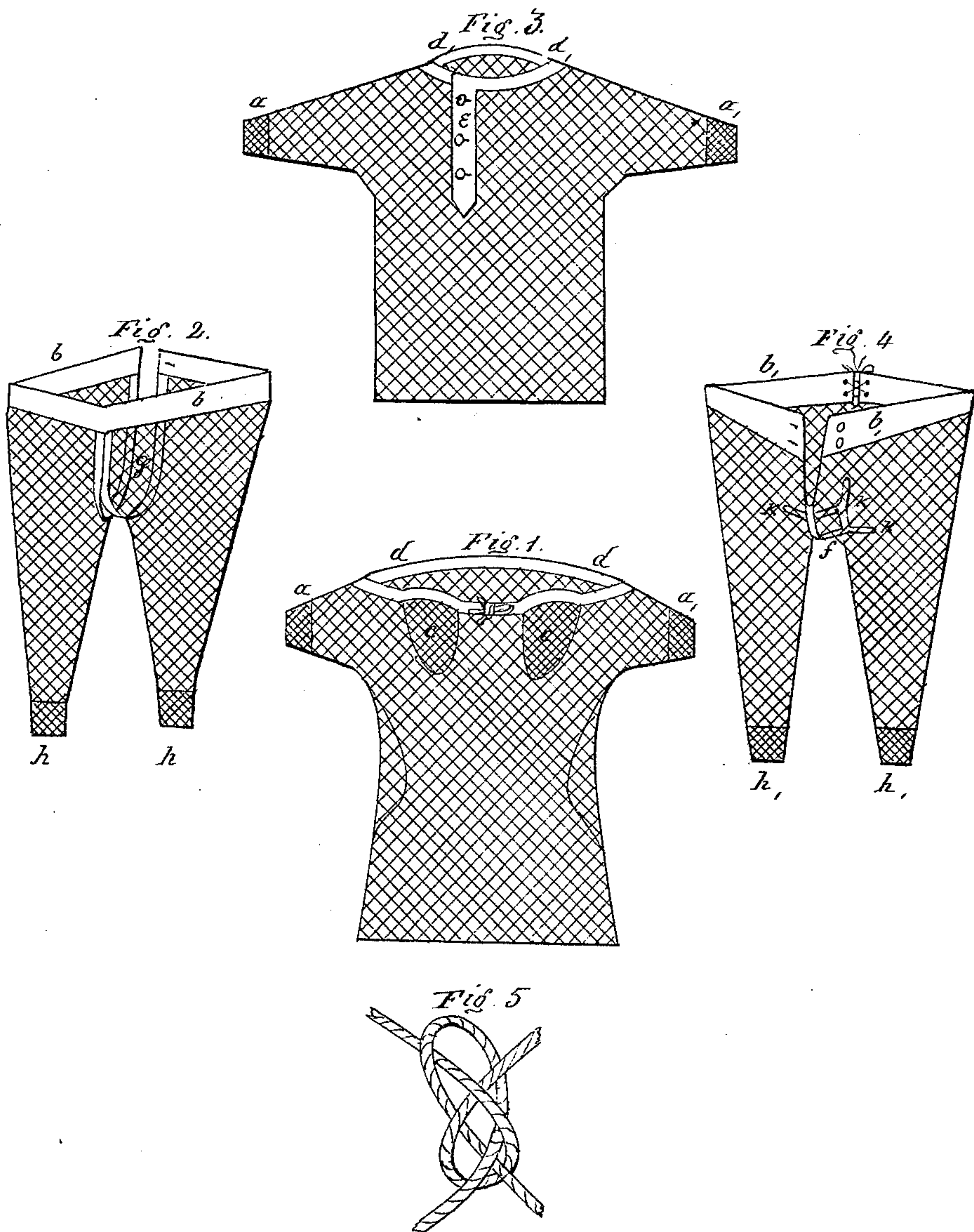


C. H. MOELLER.  
NETTED UNDERGARMENT.

No. 183,016.

Patented Oct. 10, 1876.



*Witnesses*  
*Edmund F. Schenck*  
*C. L. Hartman*

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*Charles H. Moeller*



# UNITED STATES PATENT OFFICE.

CHARLES H. MOELLER, OF ST. LOUIS, MISSOURI.

## IMPROVEMENT IN NETTED UNDER-GARMENTS.

Specification forming part of Letters Patent No. **133,016**, dated October 10, 1876; application filed April 5, 1876.

*To all whom it may concern:*

Be it known that I, CHARLES H. MOELLER, of city and county of St. Louis, and State of Missouri, have invented new and useful Improvements in Under-Garments of Net-Work, of which the following is a specification:

The advantage of netted under-wear is based upon the fact that a quiet stratum of air is a non-conductor of heat, and therefore a feeling of warmth is created about the human body when under-shirts or drawers of net-work are worn immediately upon the skin, so that a quantity of air is confined in the meshes between the over-dress and the skin. The feeling of comfort is still increased by a slight irritation of the epidermis, which is caused by the constant friction of the knots of the netting upon the skin, and which promotes the circulation of the blood. This irritation is proportionate to the size of the knots.

The netted garment also promotes the perspiration, because it checks the immediate contact of the skin and the dress, so that the wear not only causes a warm, dry feeling, but also protects in many instances against cold, rheumatism, or prickly-heat.

Netted garments are not new, but have been introduced in the trade for years past, but they hardly consisted of anything else but a straight, shapeless bag, open on top and bottom, and fastened around the body by ribbons or strings, which were drawn through the meshes, so that the garment could not be fastened without bulky folds detrimental to all comfort.

It is the aim of my invention to construct a well-fitting, strong, and durable article, and to that effect I have introduced the following improvements, which I shall now describe, referring to the accompanying drawing, wherein—

Figure 1 represents a lady's under-shirt; Fig. 2, a lady's drawers; Fig. 3, a gentleman's under-shirt; Fig. 4, a gentleman's drawers, and Fig. 5 the peculiar form of knot used in my netting.

Instead of the common crotchet-knot I prefer to use the double knot, (shown in Fig. 5,) which is thicker than the former, and renders the meshes independent of each other, so that any of them may be cut open or torn without injuring the adjoining meshes. This knot,

being larger, affords an increased irritation. At the wrist of the shirt-sleeves and at the ankle of the drawers I apply a part of netting of finer meshes and of tapering form, to be glove-fitting to the body, and elastic enough to avoid any discomfort. (See letters *a a* and *h h*.) In the ladies' under-shirt I insert the finely-netted gores *c c*, to correspond with the shape of the breast. An extra gusset of similar finer netting is inserted in the step *f* of the gentlemen's drawers, to increase the comfort of wear. To the upper edge of the drawers for gentlemen and ladies' wear I attach the broad, smooth, glove-fitting belts *b b*, of strong cloth, provided with buttons and button-holes, similar to regular drawers.

The neck of the ladies' under-shirt is seamed by a double lining, *d*, through which a band is drawn, which can be tied with a loop in front, to match the neck. The gentlemen's under-shirts are lined at the neck with a broad and smooth binding of tape, *d*. Its front is also cloth lined, and provided with buttons and button-holes, the opening in front *e* being arranged sidewise between the throat and the shoulder.

To increase the durability, the edges *g* of the ladies' drawers are lined with tape, and a smooth cross-tape, *k*, is applied in the step of the gentlemen's drawers, affording strength and comfort. The ladies' shirt is tapering in the waist to suit the body.

For winter wear I use coarser netting, and finer for summer use.

I do not claim under-garments of net-work in general, as I am well aware that the same have been in use for years; but—

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

As a new article of manufacture, netted under-garments, having the wristbands, arm-bands, ankle-bands, gussets, and gores of net-work of a finer or smaller mesh than that of which the body of the garment is composed, substantially as described and shown, and for the purpose set forth.

Witness my hand this 21st day of March, A. D. 1876.

CHARLES H. MOELLER.

Witnesses:

EDMUND F. SCHREINER,  
C. C. HARTMAN.