C. O. Richter,
Shirt.

Sheet, 1. 2 Sheets

No. 100,669. Patented. Mar. 8 1870.

Figure 1

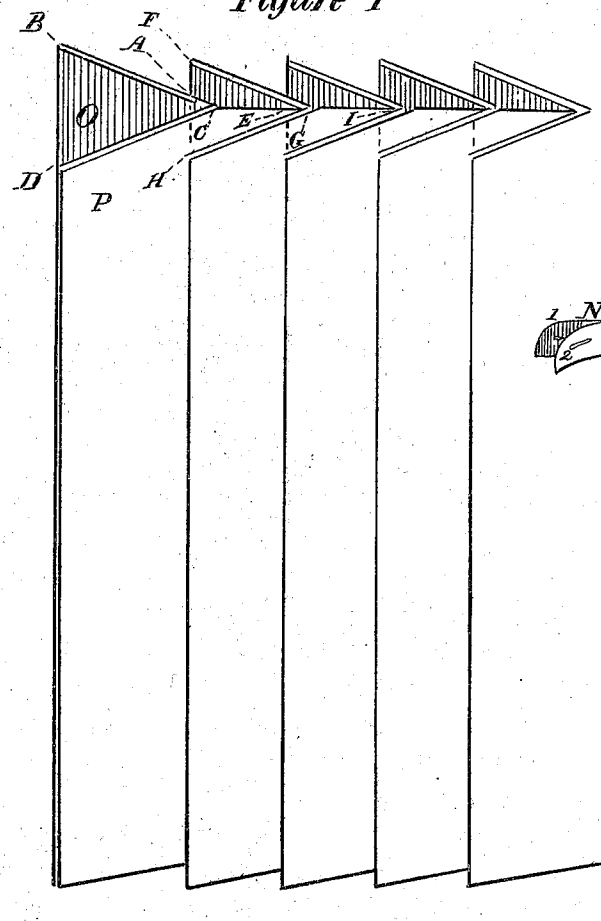


Figure. 3.

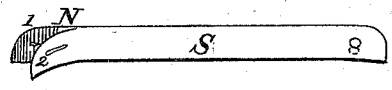
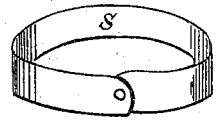


Figure. 4.



Inventor,
Charles O. Richter.

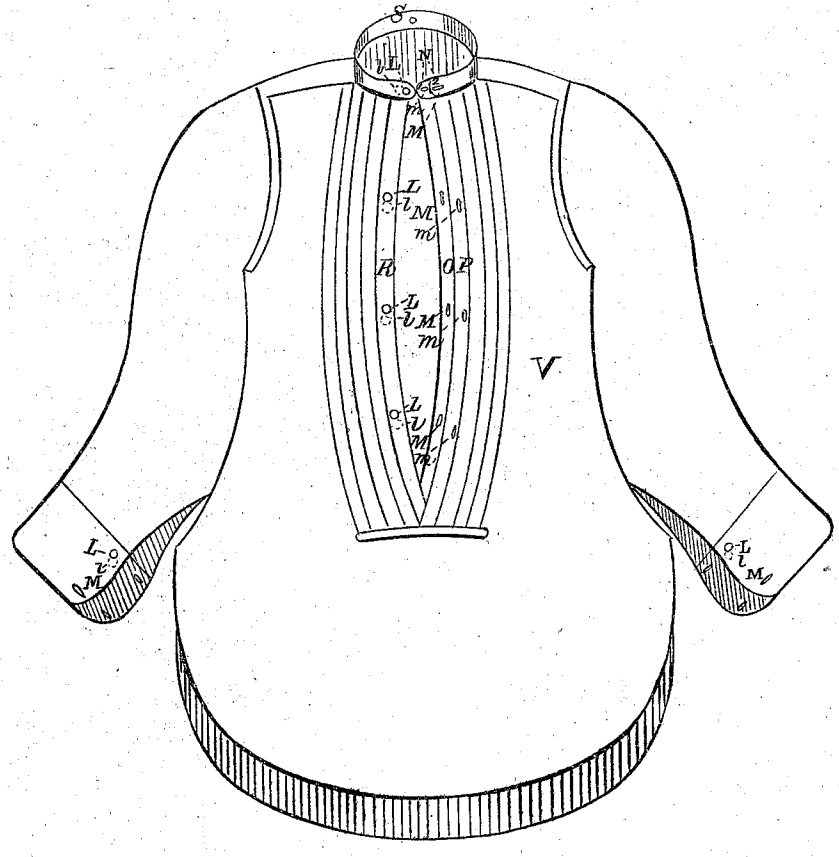
Witnesses: Wm. M. Wells

C. O. Richter. Sheet 2. 2 Sheets.

Shirt.

No. 100.669. Patented Mar. 8. 1870.

Figure 2.



Inventor,
Charles O. Richter.

Witnesses: Wm M. Weib

United States Patent Office.

CHARLES O. RICHTER, OF NEW YORK, N. Y.

Letters Patent No. 100,669, *dated March* 8, 1870.

IMPROVEMENT IN REVERSIBLE SHIRTS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES O. RICHTER, of New York, of New York county, in the State of New York, have invented certain new and useful Improvements in Reversible Shirts; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making part of this application.

My invention relates to a novel method of making the bosom of a shirt, (which is ordinarily made with a right and wrong side,) so that the garment can be washed and ironed on either one or both sides, and can be worn with either side out, or can be "done up" and worn with first one and then the other side out, at the pleasure of the wearer.

Although a shirt such as I have invented may be worn first on one side and then on the other, (with one washing) as it is not practical in the usual washing and ironing processes to have both sides finished alike, I propose that my improved reversible shirts shall be worn with one side only out at each washing and ironing, but shall be alternately (washed) ironed on different sides, so that the bosom, (and those other parts,) which generally gives away first shall last much longer than usual, while at the same time the cost of manufacture (and material) shall very slightly exceed the cost of making the ordinary shirt adapted to be worn on one side only, and nothing like so durable as my improved reversible shirt.

With these objects in view, my invention consists in making the bosom of the shirt of a single piece, (each side,) double plaited, as hereinafter more fully described, and with a double center-piece on one side, and a single center-piece on the other side, all arranged and operating so that the bosom may be ironed and worn with either side out.

To enable those skilled in the art to make and use my invention, I will proceed to more fully describe the construction or method of making of one of my improved reversible shirts, referring by letters to the accompanying drawings, in which—

Figure 1 is a diagram showing one-half of the bosom of the shirt, and illustrating how it is formed or double-plaited.

Figure 2 is an elevation or front view of a shirt made according to my invention.

Figure 3 is a detail view, showing the bifurcated neck-band disconnected.

Figure 4 is a perspective view of same buttoned up, or closed together at its ends.

In the several figures the same part is designated by the same letter of reference.

The bosom of the shirt I make (each side or half) by taking a single piece of stuff and plaiting, as seen (increased scale) at fig. 1

Commencing at A, I fold the material over to B, thence back to C, which forms one side or portion of the double center-piece, seen at O, fig. 2. I thence fold out to D, and back to E, which forms the other part of double center-piece, as seen at P, fig. 2.

From E the material is folded out to F, thence back to G, forming a plait on one side of bosom; thence from G out to H, and back to I, forming a plait on the opposite side of bosom, and so on alternately, forming plaits on first one side, then the other, to any desired number, and of any desired size, the plaits being stitched, of course, as usual.

The half of bosom not shown at fig. 1 is made as just described, except that it is formed with a single center-piece, as seen at R, fig. 2, which is adapted to be buttoned in between the two pieces or portions O and P.

At fig. 2 the bosom is shown as if pulled partly open, so as to more clearly illustrate the method of making.

S is the neck or collar-band of the shirt, which is made bifurcated at one end, as shown at N, (see figs. 2 and 3,) each one of the ends 1 and 2 of the bifurcated portion being provided or made with a button-hole, as illustrated, into which pass respectively the buttons L and *l*, (fig. 2,) on the opposite single end of said band S.

All the buttons and button-holes are so arranged or located, that while they serve to couple together, in the same relative positions, the several parts, no matter which side of the shirt may be worn out, they do not come directly opposite to each other. The objects and advantages of this peculiarity are, that the wearing away or breaking off of one button may not affect the condition of another on the opposite side of the same piece, and that the garment may be more easily done up, and may be worn with more comfort.

Of course the bosoms and neck-band should be sewn into the body *c* of the shirt, with double-face seams, or so as to look and feel about the same on each side, and all other seams of the garment should be similarly made.

The cuffs should be made reversible and detachable, as customary, and the wrist-bands of the shirt I propose to make in the same manner as already described of the neck-band, so as to be perfectly reversible, and so that they may be ironed and worn with perfect comfort with either side out.

It will be understood that by making the bosom of a single piece plaited as described, the shirt may be ironed on either (or both) sides, and can be worn with

either side out, or alternately on one side then on the other, while at the same time the cost of manufacture is comparatively small.

Having fully explained my invention, so that those skilled can make and use my improved reversible shirt,

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

Forming the bosom of a shirt of any suitable material double-plaited, and with a double center-piece on one side, and single center-piece on the other side, all as herein described for the purposes set forth.

In testimony whereof I have hereunto set my hand and seal this 19th day of January, 1870.

CHARLES O. RICHTER. [L. S.]

Witnesses:

T. B. BEECHER,

E. S. MCCULLY.