

*J. B. Gardiner.*

*Shirt Bosom*

*N<sup>o</sup> 49,747.*

*Patented Sept. 5, 1865.*

Fig. 1.

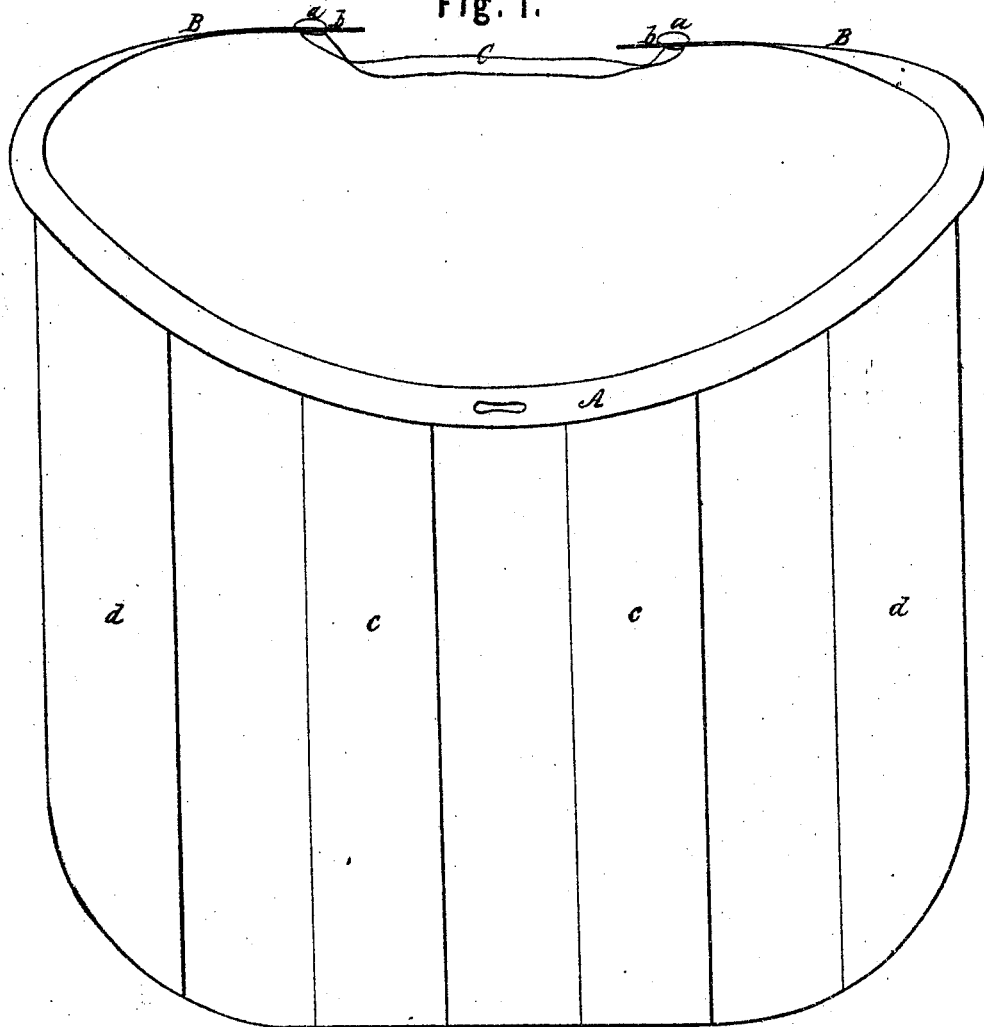


Fig. 2.



Witnesses.

*J. P. Mamm*  
*Milton Bradley*

Inventor.

*J. B. Gardiner.*

# UNITED STATES PATENT OFFICE.

JOSEPH B. GARDINER, OF SPRINGFIELD, MASSACHUSETTS.

## IMPROVEMENT IN PAPER SHIRT-BOSOMS.

Specification forming part of Letters Patent No. 49,747, dated September 5, 1865.

*To all whom it may concern:*

Be it known that I, JOSEPH B. GARDINER, of Springfield, Hampden county, State of Massachusetts, have invented an Improved Shirt-Front; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to letters of reference marked thereon.

In the drawings, Figure 1 is a front view, and Fig. 2 a cross-section, of the shirt-front before mentioned.

The nature of my invention consists in making a small false front to be worn over the ordinary shirt, to avoid the necessity of frequent change of the shirt, and making this front of paper, with the surface raised or depressed, or otherwise ornamented in imitation of the plaits of cloth fronts, as is shown in the section, Fig. 2.

It will be seen that by this means we have a very cheap substitute for linen fronts, now so expensive, and also particularly when the colored flannels now so fashionable are worn, giving all the appearance of a fine linen front, at a very small expense; and for travelers' use they form an exceedingly convenient substitute for cloth shirts, for, instead of carrying a number of shirts, several of these may be taken in a very small compass, and thrown away after use, besides many other advantages which are apparent.

In the drawings the front is shown having a narrow imitation-binding, A, forced up from the same piece of which the front is made, or a separate strip fastened on, as desired, and is fastened to the neck by the ends B B of A, passing back at each side, and the elastic cord C, having a button, *a*, on each end, which fastens into button-hole *b* on each end B of A; and, also, it is held up by the button-hole *d*, which fastens on the front shirt-button; but it may be held in any other convenient way.

The points which I wish principally to ad-

vance as new in this invention are: the imitation of plaits of cloth fronts by means of the depressions G G, &c., and ridges *d d*, &c., formed in this case by dies, but which may be formed by rolls or in any convenient way, and by altering their shape any form of front, either plain or ornamented, may be imitated.

The cross-section, Fig. 2, shows the manner in which this is done. The plain paper is placed between dies and forced into the shape shown, with depressions G G, &c., and ridges *d d*, &c., which forms a very exact and elegant imitation of plaits, which may be ornamented with imitations of stitches or in any other way, and also forcing the binding A from the same piece as the front, which may be done by steaming or moistening the paper and by means of dies forcing or "upsetting" the paper, so as to form the binding, as required.

It will be seen by my drawings that my bosom is not made convex in front and concave at the back; but it is made straight or flat, so that it may bend with the binding when worn and fit down closely to the wearer's chest, and not puff up, as would be the case if made as mentioned, and which would be objectionable.

I do not claim a paper shirt-front used in combination with any other article, nor do I claim raising and depressing the surface of paper, broadly; but

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

As a new article of manufacture, a paper shirt-front made in imitation of a cloth front by imitating the plaits of the same by raising or depressing parts of the surface, substantially as described.

J. B. GARDINER.

Witnesses:

T. W. MANN,  
MILTON BRADLEY.