G. F. Bigelow,
Collar.

No. 48359. Patented. June 27. 1865.

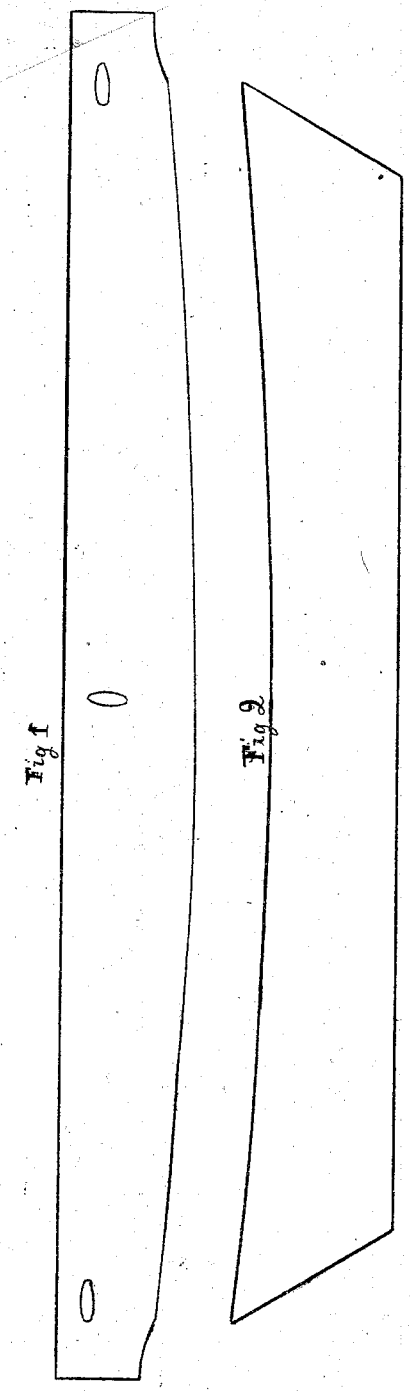

Fig 1

Fig 2

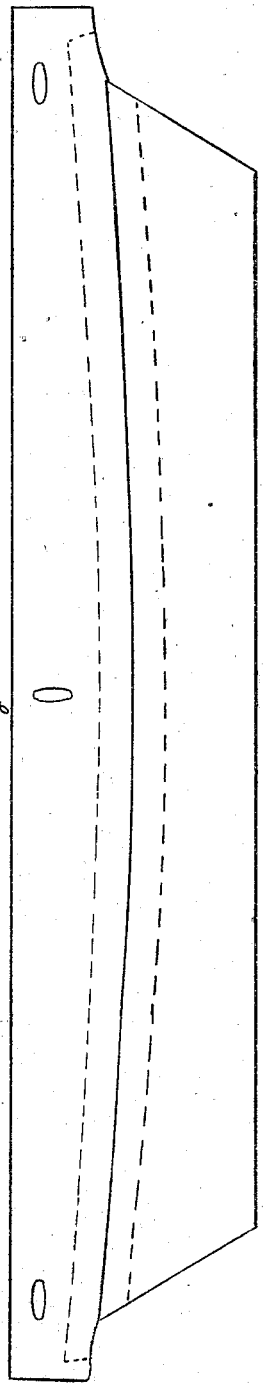

Fig 3

Witnesses
George Capron
M. B. Young

Gilbert F. Bigelow

UNITED STATES PATENT OFFICE.

GILBERT F. BIGELOW, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PAPER COLLARS.

Specification forming part of Letters Patent No. **48,359**, dated June 27, 1865.

To all whom it may concern:

Be it known that I, GILBERT F. BIGELOW, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Paper Collars; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

Paper collars as hitherto made have been formed of a single piece of paper or of paper strengthened either throughout or in part by having a thin piece or pieces of muslin or other suitable strengthening material pasted upon it or inserted between the layers. This mode answers perfectly well with the kinds of paper hitherto employed, but will not answer for turn-down collars made of enameled card or any similar material, the surface of which is cracked or broken by being bent over at a sharp angle. In order, therefore, to make a neat turn-down collar of this material, some other mode must be adopted, and this is what I propose to accomplish, as follows:

Instead of making my collar of a single piece I make it of two or more pieces, connected together as hereinafter shown. The inside piece, or that in which the button-holes are made, is shown at Figure 1. This may be made of any kind of paper, it is not material which, provided it is strong enough not to tear at the button-holes. The lower edge may be made straight, as in ordinary collars. The upper edge I make in the arc of a circle, though it may be made in any other suitable curve or perfectly straight. A slight curve, however, as shown in the drawings, will give the collar a better fit. The outside piece is represented by Fig. 2. The lower edge of this may be made straight, with the corners cut off, as shown in the drawings, or in any other suitable form. The upper edge is made to fit the upper edge of the inside piece, and will, of course, be curved more or less in the same proportion. The curve, however, is concave, while the curve of the inside piece is convex. If the inside piece has a straight edge, the corresponding edge of the outside piece will be straight also. The inside piece may be made of two or more pieces, but I consider one piece the simplest and best. The outside piece I make of what is commonly called "satin-enameled card or card-board," though any other suitable kind of card or paper may be employed. The two parts, when thus cut out, are brought together so that the convex edge of one may fit into the concave edge of the other, and are then attached to each other by a strip or strips of thin muslin or strong paper or any other suitable material pasted onto the edge of each. The collar thus made is turned down at the line of juncture, thus presenting on the outside a polished surface of enameled card, while the inside may be made, and is better made, of cheaper material.

Fig. 3 represents the whole collar previous to its being turned down, the curved line in the center showing the line of junction and the dotted lines showing the muslin or paper connecting the two pieces.

Instead of attaching the two pieces together by the strip or strips above mentioned, the following method may be adopted: The inside or button-hole piece is made of the same shape as is shown in Fig. 1, but from a quarter to half an inch wider. This piece is then bent over on a line parallel to the curved edge and about one-quarter or one-half an inch from the edge. The outside piece is then attached to the inside piece by pasting or gluing it to the narrow turned-down part of the latter, or the two pieces may be first fastened together and then turned over. In this way the strip or strips of muslin or paper employed in the method first described may be dispensed with. This is the method I first adopted; but I consider the use of the muslin or paper strip better in practice, as making a neater and stronger collar; and for the same reasons I consider the muslin better than paper, and one strip better than two or more.

The advantage of my invention is, that by this method I am able to make a turn-down collar either wholly or in part of enameled card-paper or any similar material that cannot be turned down in the ordinary way without cracking the enamel, and I thus produce a collar in neatness and beauty surpassing all others.

I do not claim as my invention a collar made of all paper or card-board, or part paper or card-board and part cloth; but

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

A turn-down paper collar made from two or more pieces, one or both or all of which are made of enameled card or card-board or any other material substantially the same for the purpose, constructed and operating substantially as described.

GILBERT F. BIGELOW.

Witnesses:
GEORGE PAYSON,
W. B. YOUNG.