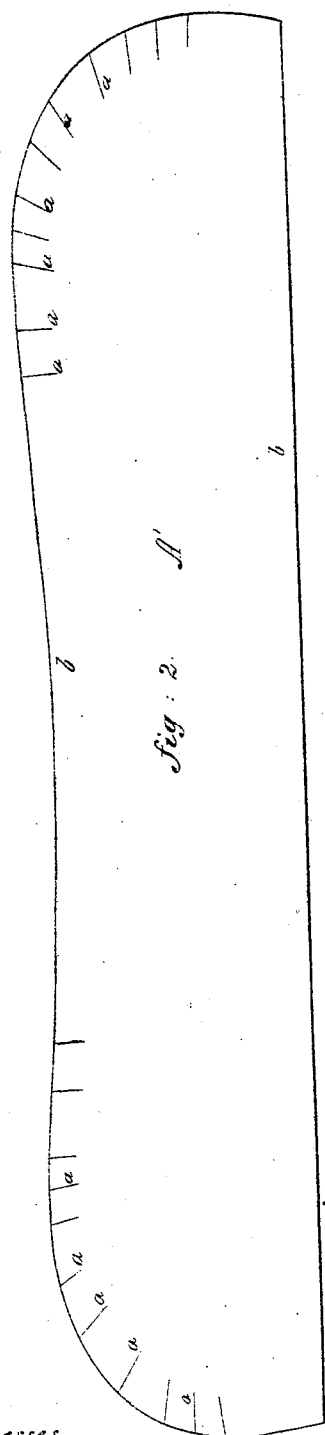


*D. Mackay.*

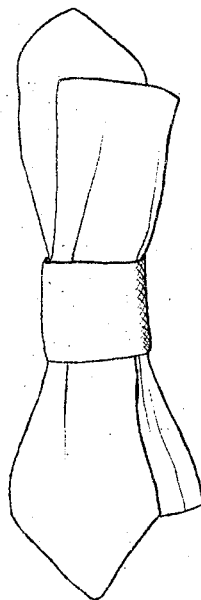
*Collar.*

*Patented Mar 27. 1866.*

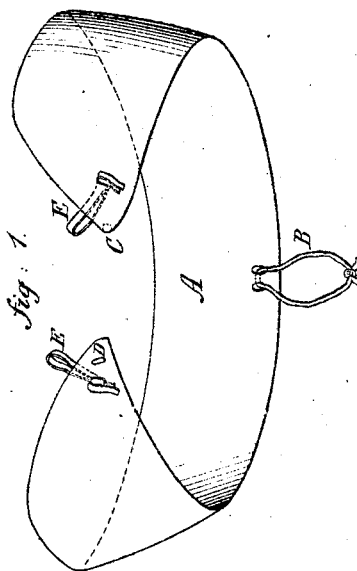
*N<sup>o</sup> 53462.*



*Fig. 2.*



*Fig. 3.*



*Fig. 1.*



*Fig. 4.*

*Witnesses.*

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C. L. Topliff*

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D. Mackay  
per *Wm. H. C.*  
attorneys*

# UNITED STATES PATENT OFFICE.

D. MACKAY, OF UNITED STATES ARMY.

## IMPROVEMENT IN MEN'S COLLARS.

Specification forming part of Letters Patent No. 53,462, dated March 27, 1866.

*To all whom it may concern:*

Be it known that I, D. MACKAY, surgeon in chief, Third brigade, Third division, Ninth army corps, Army of the Potomac, have invented a new and useful Improvement in Collars; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a collar-frame of any suitable shape and style. Fig. 2 represents a covering ready to be put upon the frame. Fig. 3 is an ordinary bowlike those used with scarfs and stocks. Fig. 4 is a detached view of the ends of the frame, showing them connected to each other.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish a convenient and cheap collar for use by travelers, military men, and others, and it consists, substantially, in a cemented covering of white plain paper, or paper of any other style or color, prepared as hereinafter set forth, to adapt it for ready application by the user to a frame of metal, rubber, or other sufficiently stiff material.

It is oftentimes impossible for military men in active service and travelers and others who may be absent from home to renew their stock of shirt-collars or to have their old stock repaired. Since it is always desirable to be supplied with these articles or with substitutes for them, many attempts have been made to overcome the many obstacles in the way of obtaining an adequate supply or a cheap and convenient substitute. The most popular substitute hitherto produced is the article known as the "paper collar." This article realizes some of the conditions required in a substitute for the linen collar, but its form and character are such as to require careful stowage or putting up for transportation, a box being ordinarily required for that purpose. Besides they cannot be prepared by the wearer or by any one unskilled in the art, and their cost is such as to put them beyond the reach of many who need or desire such an article.

My invention is designed to fulfill the conditions of neatness, economy, and simplicity in a substitute for the ordinary linen collar.

A is a collar-frame, made of metal, rubber, or any other material of the requisite stiffness and elasticity. It is shaped to suit the style usually worn or the taste of the maker or wearer and bent to suit the shape of the neck, and its ends may be united together by a hook, C, taking into a hole or eye, D, formed in the said ends, respectively, or by any other convenient device.

The collar-frame may be worn so that its ends shall be under the chin in front or upon the back of the neck, the said frame being suited in its shape to the mode of wearing it. If the ends are to be worn in front, loops E E of rubber or tape are fastened in the frame near its ends, to enable the wearer to fasten the frame to the shirt, and a loop, B, is also attached to the lower edge of that part of the frame which lies upon the back of the neck, to enable it to be secured at that point to the shirt.

A' is a paper covering with which the frame A is to be covered. It is cut out in such a shape as to conform to the shape of the frame. Its edges are to be coated with gum, as at *b*, which is allowed to dry, and either before the coating of gum is put on or after it has become dry its edges, both top and bottom, are to be cut, as at *a*, to enable one to fold or bend the edges smoothly over the edges of the frame. Many coverings like that shown at A' may be prepared and rolled together. Three dozen of full size will form a roll one inch in diameter and two inches in length and may easily be carried in the pocket.

The manner of using my invention is as follows: A frame having been prepared of the desired size and shape, one of the covers A' is moistened on its gummed edge *b* and laid over or against the outside or convex side of the frame and the gummed edges turned over and laid smoothly along the inner or concave side of the frame, the said edges being turned smoothly by means of the slits *a*, which are to be made at proper intervals to suit the curves of the frame.

When the cover A' becomes soiled it can be

torn off, the gummed edges being soaked off, and a fresh and clean cover applied.

The junction of the ends of the frame may be concealed, if they occur on the front of the neck, by a bow like that shown in Fig. 3, or by any other ornamental device.

This principle of construction may be applied to other articles of linen to be worn upon the person, as, for instance, to wristbands and to cuffs and collars for ladies.

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

A cemented covering adapted for application to the frame of a collar or analogous article of wearing-apparel, substantially as set forth.

D. MACKAY.

Witnesses:

WILLIAM JACKSON,  
JOSEPH JACKSON.