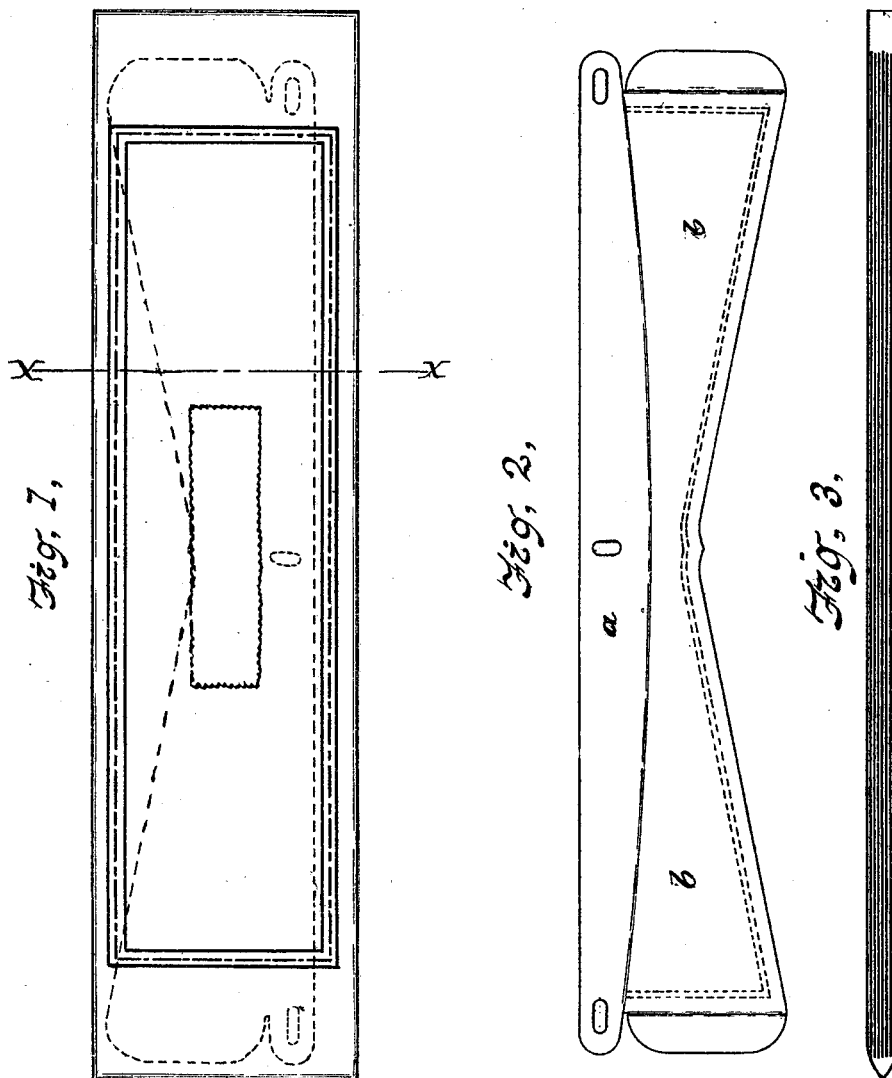


S. S. GRAY.

METHOD OF PUTTING UP COLLARS AND CUFFS.

No. 185,520.

Patented Dec. 19, 1876.



Witnesses:

Wm. Wagner.

Chas. L. Coombs.

Fig. 4,



Inventor:

S. S. Gray.

By, James L. Norris.

Attorney.

# UNITED STATES PATENT OFFICE.

SOLOMON S. GRAY, OF SOUTH BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN METHODS OF PUTTING UP COLLARS AND CUFFS.

Specification forming part of Letters Patent No. 185,520, dated December 19, 1876; application filed October 9, 1876.

*To all whom it may concern:*

Be it known that I, SOLOMON S. GRAY, of South Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Methods of Putting up Collars and Cuffs, of which the following is a specification:

This invention relates to an improved method of preparing and putting up collars and cuffs for trade purposes.

Heretofore, on account of the curve which such articles naturally possess, owing to their formation, it has been found necessary, in packing them, to make them into rolls of ten or a dozen each, and pack them in paper or other boxes for transportation and use. This entails considerable expense, which enhances the cost of the collars and cuffs to consumers, and, furthermore, owing to the bulk of such boxes, makes the box inconvenient to carry, and increases the cost of transportation on account of the room required for the boxes.

My invention is designed to obviate these objections; and it consists in first preparing the collars or cuffs by pressing, flattening, or smoothing them out, so that they can be placed one upon another longitudinally without rolling; and, secondly, in packing the collars or cuffs as thus prepared in a rectangular holder or receiver of proper length and width to receive them, so that they will form a flat package that will occupy but little space, and can be conveniently transported from place to place.

In the drawing, Figure 1 represents a plan view of the improved receiver or holder; Fig. 2, a similar view of one of the collars flattened out; Fig. 3, a vertical section through Fig. 1, and Fig. 4 a transverse section on line *x x* of the same figure.

In carrying out my invention the collars or cuffs, as ordinarily made, are taken, and by means of a suitable machine or by hand the neck-band *a* and body *b* are unfolded and the collar flattened or smoothed out so as to form a single sheet, the material at the curve between the neck-band and the body of the collar, or corresponding part of the cuff, being softened or crushed by the process, so as to form a flexible hinge-joint, that will allow the

parts to be folded properly together again when the collar or cuff is required for use. The collars or cuffs, as thus prepared, are in the form of a flat sheet, in which condition they can be packed, one upon another, without rolling, and formed into a rectangular package, which will occupy comparatively little space. The package being rectangular, a much greater number of the same can be packed in the rectangular boxes ordinarily employed for transporting such articles.

The letter *c* represents the receiver or holder for the collars or cuffs, which is rectangular in shape, and of proper length and width to hold a convenient number of the same. Said holder or receiver is constructed of paper, muslin, or other suitable material, and may be provided at the open end with a flap and clasp for closing it, although this is not essential.

Either or both sides of the receiver or holder may be printed with a suitable design and descriptive matter, if desired, and the design may be of such shape as to form a guide for folding and constructing the receiver from a blank, if desired.

The holder is constructed from a rectangular blank having the proper label printed thereon, and afterward folded into proper shape and united by means of paste or other suitable cement, and its open end may be closed, after the insertion of the collars or cuffs, by means of eyelets, gum, or in any other convenient manner.

It will be seen that by my improved method of preparing and putting up the collars and cuffs they may be formed into a flat rectangular package, which requires but little room for transportation, and that the receiver will cost considerably less than the ordinary boxes in which such collars are packed, and that, as thus put up, they can be supplied to the consumer at a reduced cost, and in a condition to be more conveniently carried about for use in traveling from place to place, or packed in boxes to be supplied to the trade.

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

The method, substantially as described, of

putting up and packing collars and cuffs for trade purposes by unfolding the same after they have been folded, flattening or pressing them out, and then packing them in a rectangular holder or receptacle, essentially as set forth.

In testimony that I claim the foregoing I

have hereunto set my hand in the presence of the subscribing witnesses.

SOLOMON S. GRAY.

Witnesses:

JAMES L. NORRIS,  
JOS. L. COOMBS.