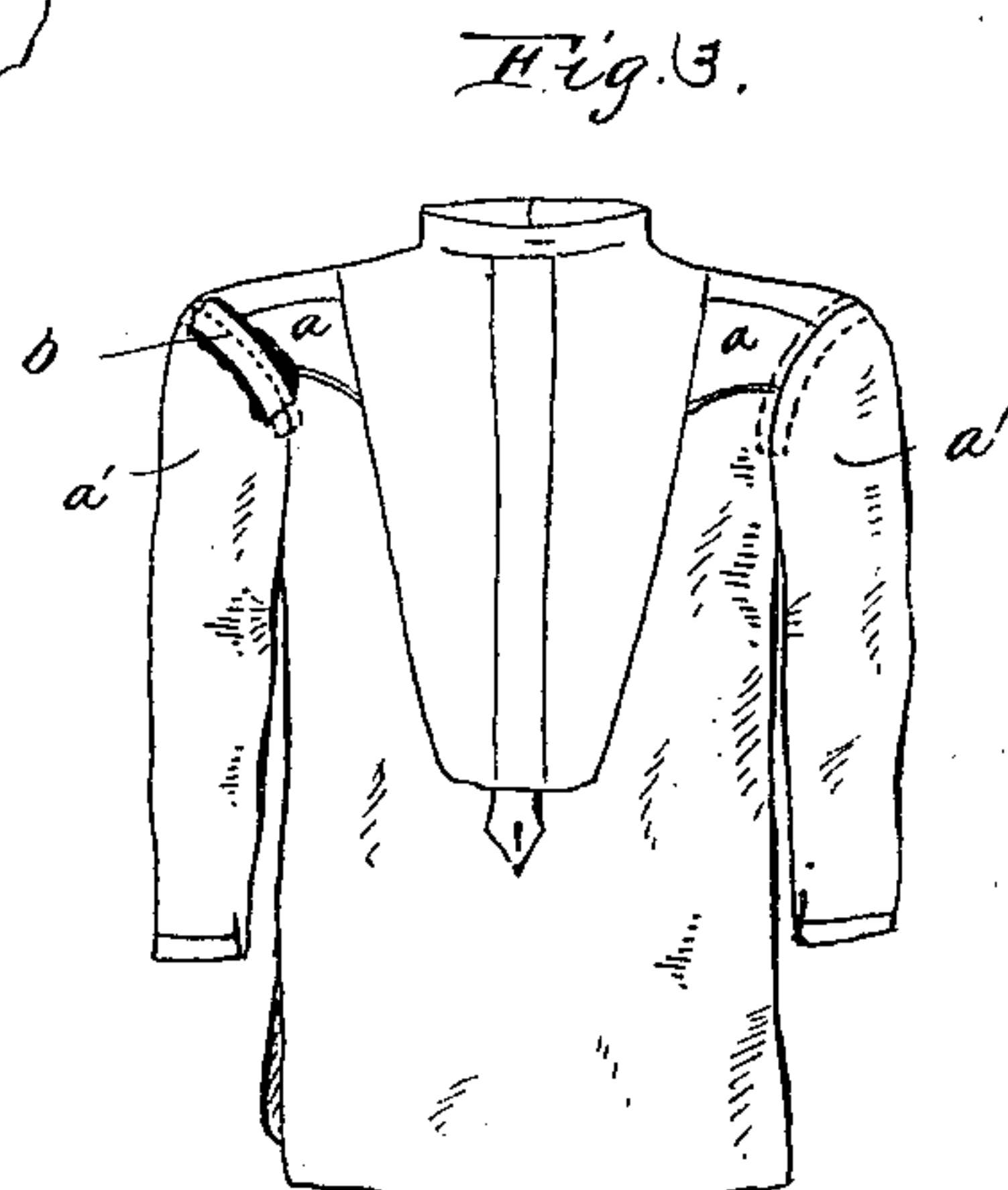
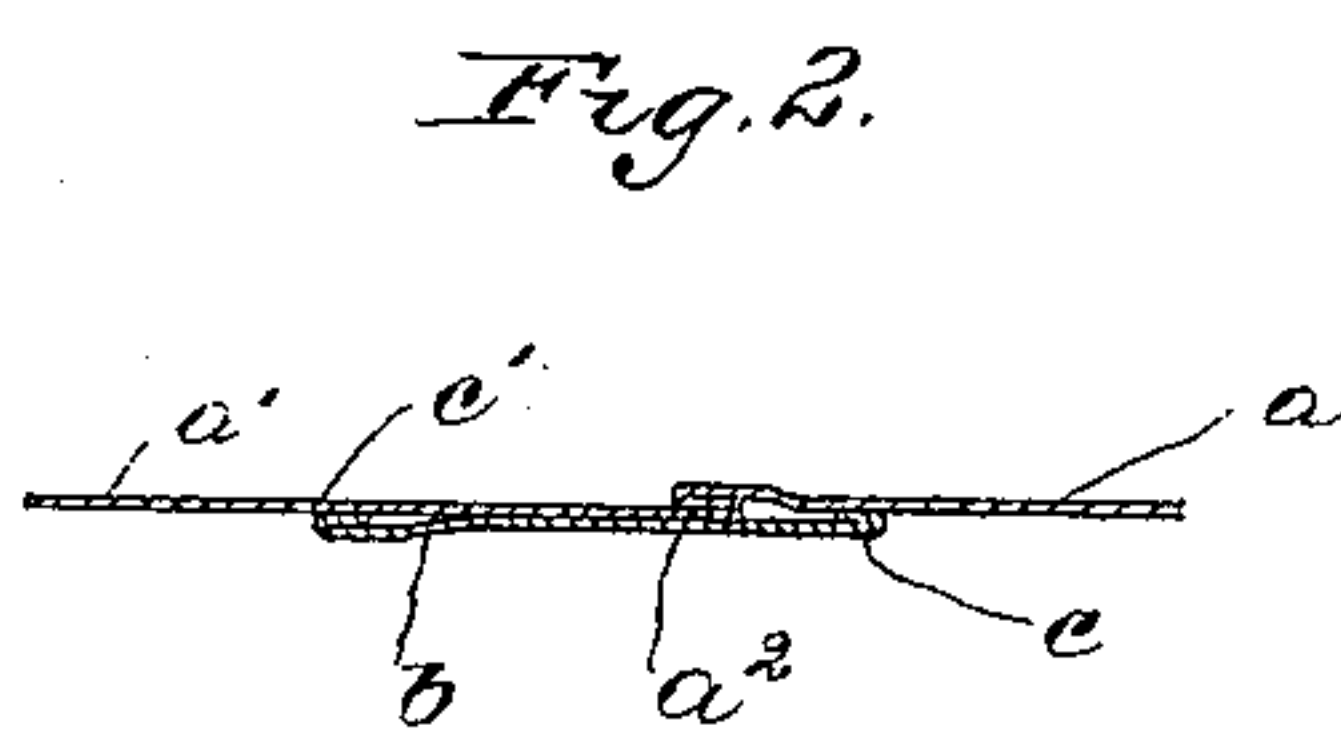
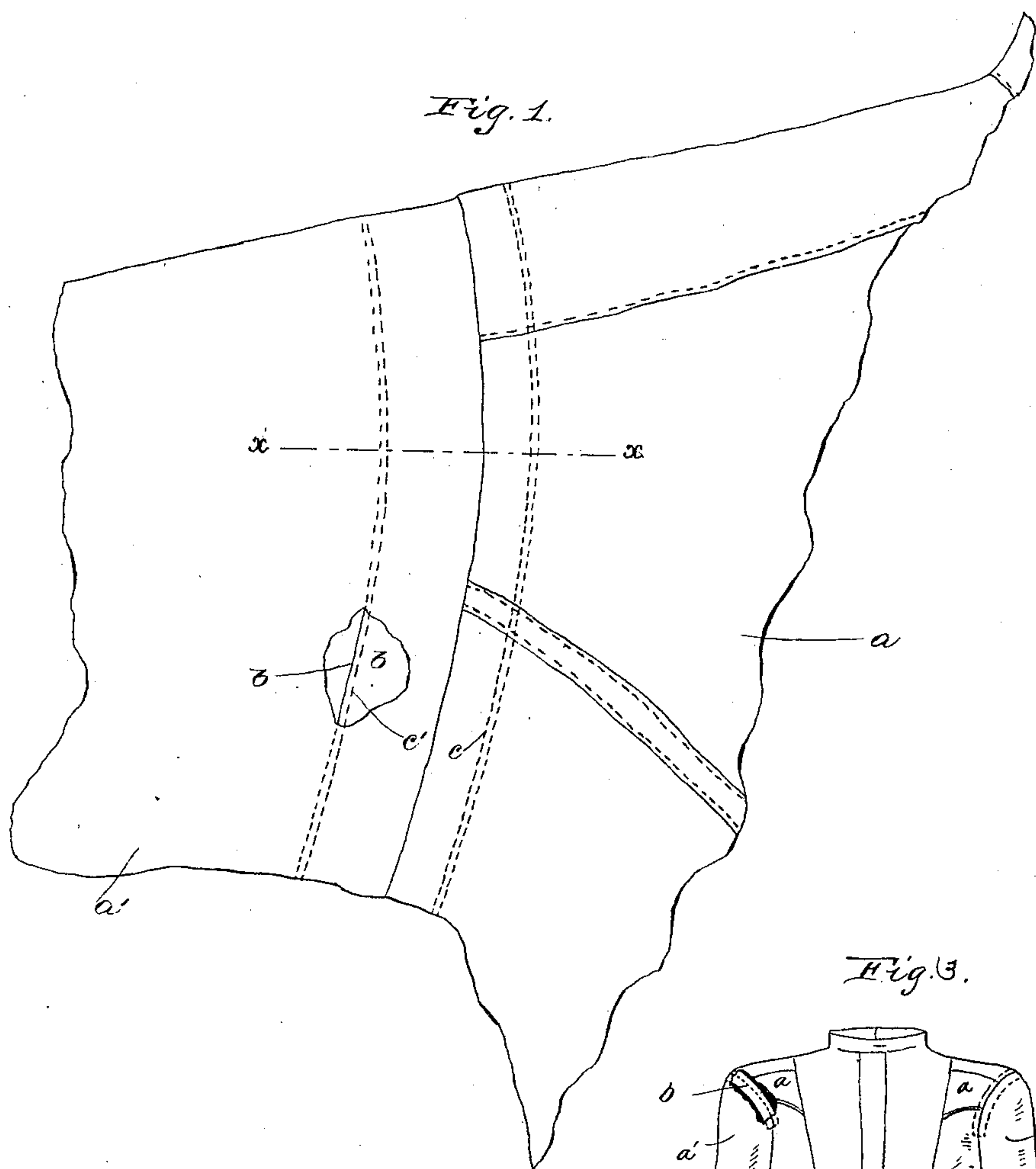


(No Model.)

G. A. GANE.  
SHIRT.

No. 353,934.

Patented Dec. 7, 1886.



Witnesses.  
Thomas Hobbard,  
Fred L. Emery.

Inventor.  
George A. Gane  
by Leroy H. Gregory  
att'y.

# UNITED STATES PATENT OFFICE.

GEORGE A. GANE, OF LEOMINSTER, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO FRANCIS A. WHITNEY, OF SAME PLACE.

## SHIRT.

SPECIFICATION forming part of Letters Patent No. 353,934, dated December 7, 1886.

Application filed June 11, 1886. Serial No. 201,854. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE A. GANE, of Leominster, county of Worcester, and State of Massachusetts, have invented an Improvement in Shirts, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relating to shirts has for its object to increase the strength of the same at the juncture of the sleeve with the shirt-body, thereby enabling the said shirt to withstand greater wear and strain at that point, and increasing its durability.

The sleeves of shirts as heretofore usually constructed have been sewed directly to the shirt-body at the shoulder by a plain or a felled seam.

Experience has demonstrated that shirts having the sleeves united to the body by a plain or felled seam wear out rapidly, and tear through when subjected to strain, especially when worn by persons engaged in work which requires considerable arm motion.

The object of this invention is to strengthen shirts at the juncture of the sleeve with the shirt-body; and my invention consists of a re-enforcing band or strip extended, preferably, completely around the shoulder, the said re-enforcing band or strip being stitched both to the shirt-body and to the sleeve, as shown.

Figure 1 shows a sufficient portion of a shirt, partly broken out, to enable my invention to be understood; and Fig. 2 a section of Fig. 1 in line  $xx$ , to clearly show the manner of securing the re-enforcing band to the shirt body and sleeve. Fig. 3 represents a shirt embodying my invention.

The shirt-body  $a$ , only a portion of which is shown, and which may be composed of any desired number of pieces sewed together in any desired manner, has the sleeve  $a'$  united to it by stitching, as at  $a^2$ . (See Fig. 2.) To enable the shirt to endure considerable strain at the shoulder, I have secured to the shirt-body, and also to the sleeve, a sleeve stay band or

strip,  $b$ , of any suitable material, the said band being preferably secured to the inside of the shirt. The folded edge of the band or strip  $b$  is secured to the shirt-body by stitching, as at  $c$ , and to the sleeve by stitching  $c'$ . (See Fig. 2.) The band or strip  $b$  relieves the stitching  $a^2$  of the greater part of the strain which it would otherwise receive, and the said strain is distributed to the stitchings  $c$  and  $c'$ , thereby greatly increasing the strength of the shirt at its shoulder.

In practice, the re-enforcing band will preferably extend entirely around the shoulder; but I do not desire to limit myself to any precise length of the said band, as the same may extend but a portion of the way round, and yet largely increase the strength of the shirt at the shoulder.

The stitching  $a^2$ , uniting the sleeve to the shirt-body, will preferably penetrate through the re-enforcing band or strip  $b$ , thus still further increasing the strength at that point.

My improved shirt is especially adapted to be worn by laboring men engaged in pursuits requiring considerable arm motion, and especially of that kind of motion which imposes a considerable strain on the shirt at the shoulder.

I claim—

A shirt consisting of a body and sleeves which are secured to said body at the shoulders of the shirt, combined with a re-enforcing band or strip for each sleeve, the said bands or strips being attached to the shirt-body and the sleeves on the inside of the shirt, and on opposite sides of the points at which the shirt and sleeves are joined, and being loose at the lines of union of the shirt and sleeves, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE A. GANE.

Witnesses:

HAMILTON MAYO,  
JOHN M. LOCKEY.