

(No Model.)

E. GOLDMAN.
MUFF BED.

No. 470,044.

Patented Mar. 1, 1892.

Fig. 1.

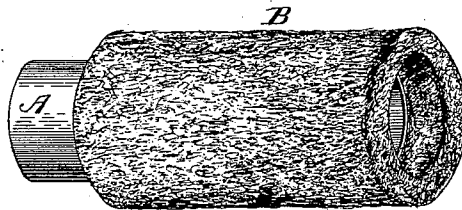


Fig. 2.

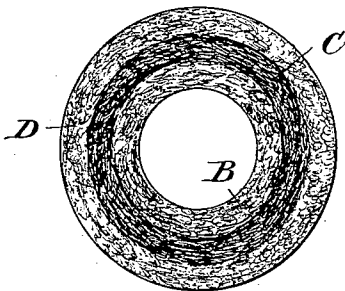


Fig. 3.

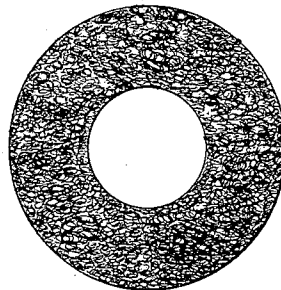
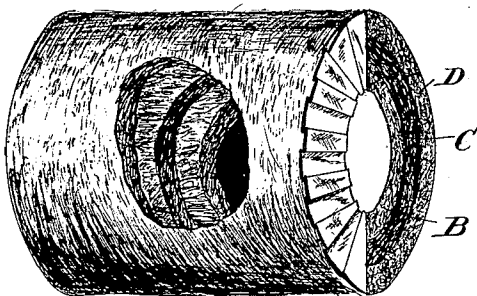


Fig. 4.



Witnesses

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EDWARD GOLDMAN, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF
TO ISIDORE LÖWENTHAL, OF SAME PLACE.

MUFF-BED.

SPECIFICATION forming part of Letters Patent No. 470,044, dated March 1, 1892.

Application filed October 29, 1891. Serial No. 410,164. (No model.)

To all whom it may concern:

Be it known that I, EDWARD GOLDMAN, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Muff-Beds, of which the following is a specification.

My invention relates to hand-muffs, and has for its object the provision of a muff-bed so constructed that the finished muff will yield to pressure from any direction and be restored to its normal shape and dimension when relieved therefrom. It is necessary on such articles that the interior and exterior surfaces and the body thereof shall be soft and yielding and that at no point shall there be any fixed resistance or rigidity with which the hand of the wearer might come in contact. The finished article commonly in use consists of a tubular cushion lined with silk or other suitable fabric and covered externally with fur, pelt, plush, or analogous material. Such tube must necessarily be light in weight, and experience has demonstrated that compression to which it is constantly subjected, especially longitudinally, causes it to be distorted, folds up and wrinkles the lining, disarranges and changes the surfaces, whereby the whole contour is altered, which can only be forcibly restored, and sometimes only partially, frequently disrupting the connections and fastenings and fracturing the delicate materials of which the muff is composed.

To remedy such objectionable features of the article as usually constructed has been the object of my invention, which is hereinafter fully described, illustrated in the drawings, and specifically pointed out in the claims.

Referring to the accompanying drawings, wherein like letters of reference point out similar parts on each figure, Figure 1 is a perspective view of the inner tube or cot employed in carrying out my invention, composed of a soft homogeneous material, showing the base-tube on which it is formed partially withdrawn. Fig. 2 is a cross-section of a muff-bed constructed according to my invention. Fig. 3 is a cross-section of a tubular stuffing as ordinarily made of a single mass of fleecy material. Fig. 4 is a view of a finished muff provided with my improved bed, in which por-

tions are broken away, the covering of one end being partially removed to show interior construction.

A is a forming-tube, composed of any rigid substance, which in practice is placed on the revoluble drum or doffer of a batting-machine, onto which is fed continuously a mass of fleecy material of required thickness and length to form seamless cot B, which composes the inner tubular lamina of the bed. Any quantity of material can be fed upon the forming-tube in order to make the member B of desired length and thickness, it being composed of soft homogeneous fleece that can easily be crushed, as is the case with the ordinary stuffing shown in Fig. 3. Such fleecy mass after being released from compression will only partially rebound and will not be restored to its normal shape and dimensions without manipulation. This, which has to be frequently repeated, results in partially matting the mass of fleece, and its homogeneity becomes destroyed, portions becoming lumpy.

In describing my invention I employ the word "fleece" to denominate the material of which the soft cushion surface-tubes are composed, while in describing the intermediate tube I use the word "filaments" as component elements, the latter material being of greater rigidity and normal resiliency than the fleecy substance. The cot B is overlaid with a surrounding enveloping tube C, of loosely-meshed pliable filaments or fiber, animal hair being preferred, which will lie in lines in every direction and, although measurably pliable and flexible, will always be restored by resiliency to their normal position after pressure or strain is withdrawn from the completed article, as presently more particularly set forth. Over the tube of filament is outer seamless covering-tube D, which is composed of the same material as the inner tube or cot B, whereby three concentric tubes are formed, the outer and inner ones being of a like soft yielding homogeneous mass with interposed intermediate tubular layer of filamented material of greater rigidity than either of its covering-tubes.

The described coverings for the inner tube B may be placed thereon in any suitable manner, no special process being claimed. They

may be fed over a forming-tube, as hereinbefore described, one tube over the other, or they may be separably constructed and then concentrically nested, if desired.

5 Thus is composed a muff-bed having outer and inner surfaces, each composing a homogeneous fleecy tube without any creases or folds either exteriorly or interiorly or at any point of the diameter of the completed device and without any seam, hem, lap, or joint
10 either longitudinally or transversely.

Besides the mass of stuffing shown in Fig. 3 in use for like purposes such muff-foundation is frequently made of sheets of wadding
15 wound spirally into a tube, whereby diametrical uniformity cannot be secured. Sometimes several lengths of sheet wadding are curved, then overlaid and joined at their meeting edges, necessarily requiring a number of seams
20 and fissures liable to disadjustment, thereby affecting the requisite circumferential contour at various points of its diameter, which mischiefs are overcome by my invention.

When the bed is completed as herein described and illustrated and finished as a muff
25 in a suitable style, it may be compressed longitudinally by the hands of the wearer, the several laminae readily yielding thereto; but the resiliency of the inner tube when pressure
30 is released will immediately cause the super-

imposed masses to assume their normal conformation, said tube C composing practically a spring foundation for the overlying fleecy cushion-tubes B and D.

Having thus fully described my invention, 35 what I claim, and desire to secure by Letters Patent of the United States, is—

1. A muff-bed consisting of three concentric tubes, the outer and inner ones composed of soft homogeneous fleecy material, the intermediate tube consisting of loosely-massed
40 flexible filaments of greater rigidity than the fleecy material composing the surrounding tubes, as and for the purpose intended, substantially as described. 45

2. A muff-bed having between two concentric cushion-tubes an intermediate spring-tube composed of flexible filaments of greater rigidity than the surrounding cushion-tubes, each tube of equal length, said inner tube
50 adapted to expand and restore the several tubes to their normal dimensions and conformation when released from compression in any direction, substantially as described.

In testimony whereof I affix my signature in 55 the presence of two witnesses.

EDWARD GOLDMAN.

Witnesses:

JNO. T. MADDOX,

CHAS. B. MANN.