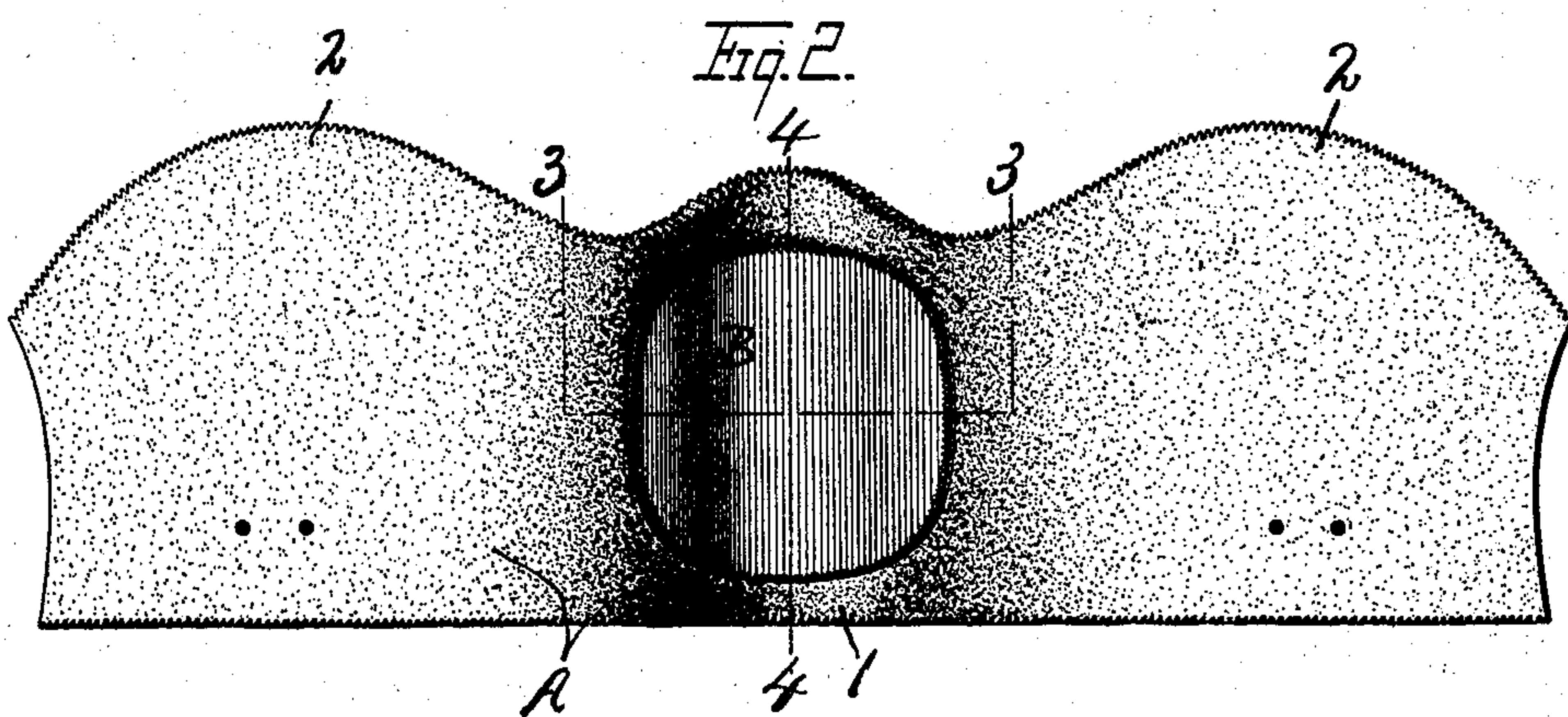
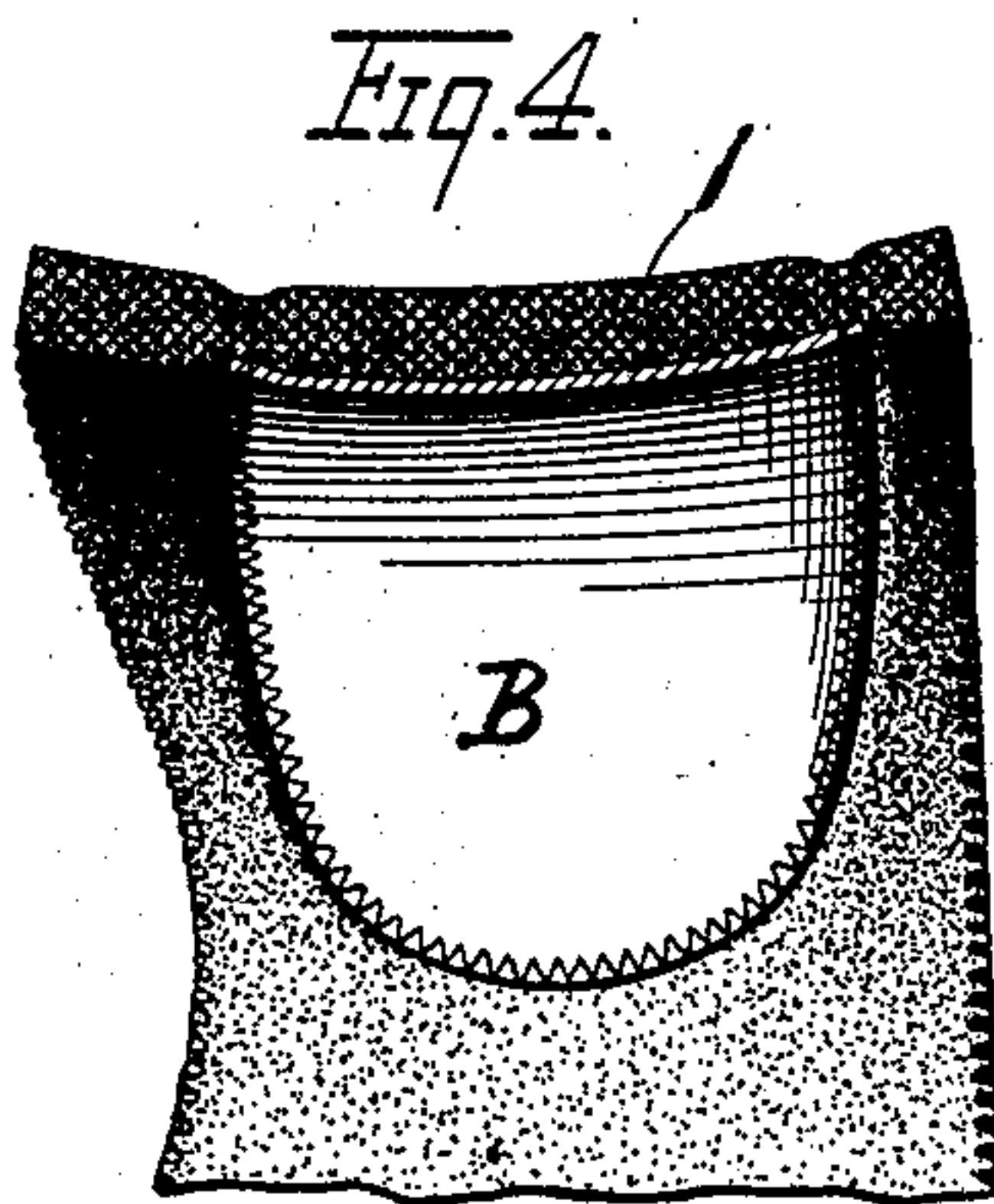
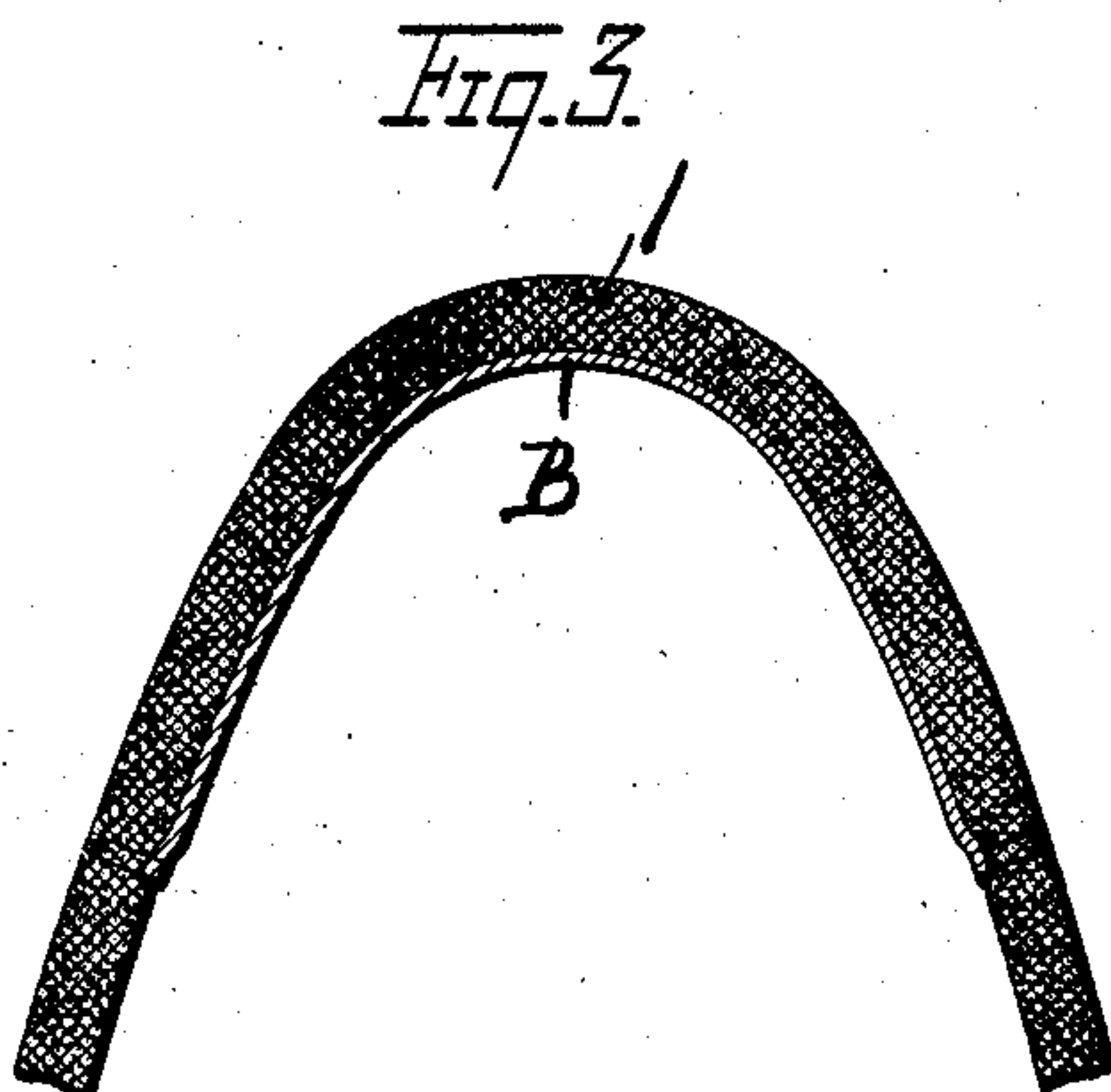
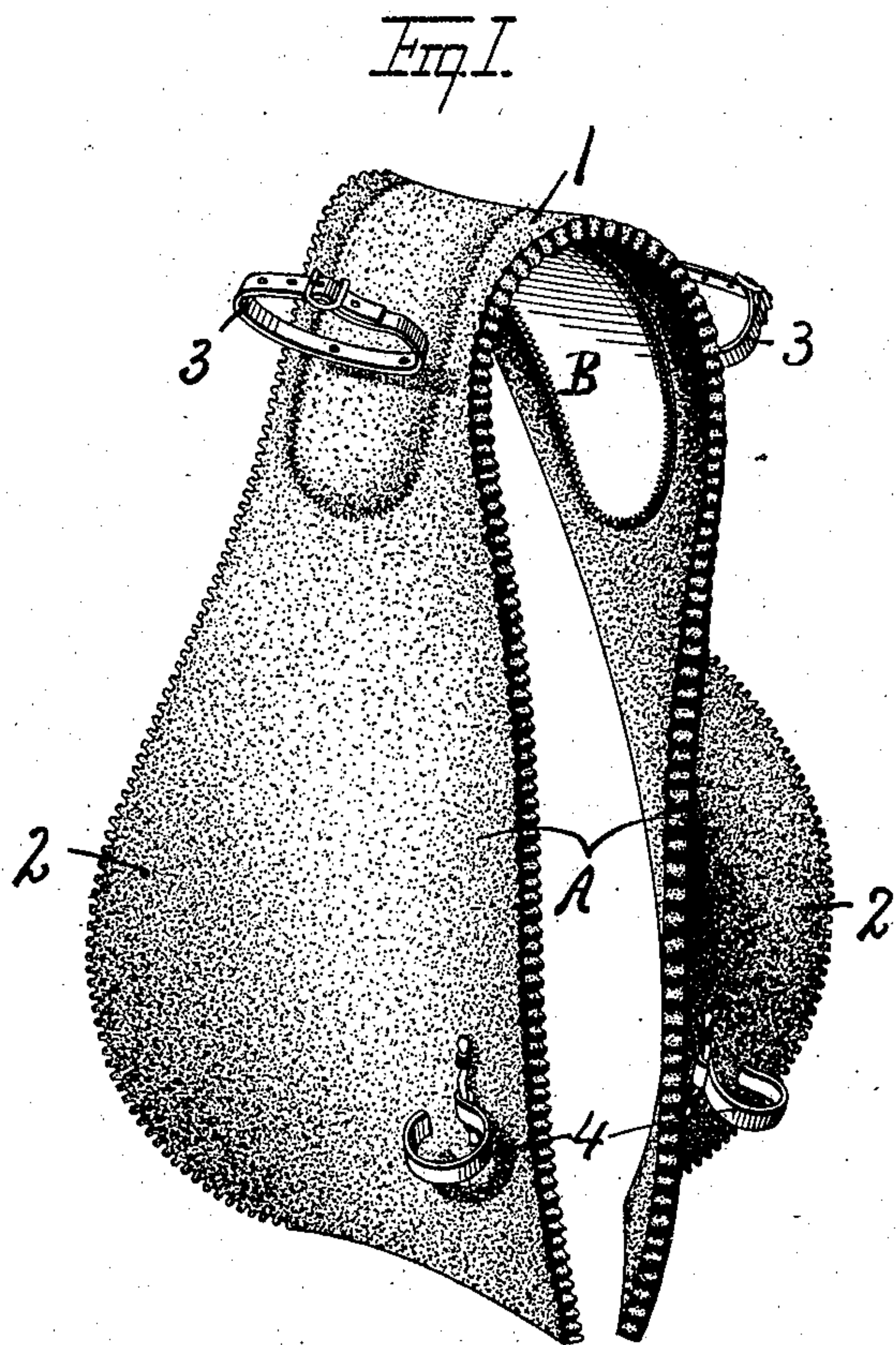


No. 824,145.

PATENTED JUNE 26, 1906.

G. A. REYNOLDS.
PAD FOR HORSE COLLARS.
APPLICATION FILED DEC. 5, 1904.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE A. REYNOLDS, OF LESTERSHIRE, NEW YORK, ASSIGNOR TO THE
FAATZ-REYNOLDS FELTING COMPANY, OF LESTERSHIRE, NEW YORK,
A CORPORATION OF NEW YORK.

PAD FOR HORSE-COLLARS.

No. 824,145.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed December 5, 1904. Serial No. 235,500.

To all whom it may concern:

Be it known that I, GEORGE A. REYNOLDS, of Lestershire, in the county of Broome, in the State of New York, have invented new and useful Improvements in Pads for Horse-Collars, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to improvements in pads for horse-collars, and refers more particularly to a one-piece reinforcement of leather which is stitched to the under side of the neck of a flexible body of absorbent material, such as felt.

This pad is placed under the collar so as to bear upon the shoulders and nape of the neck for the purpose of absorbing perspiration and preventing abrasion of the skin where the friction due to the shoulder action and draft is excessive. This shoulder action of the horse produces a greater or less rocking motion of the collar to which the pad is attached and causes the upper part of the pad to slide back and forth upon the nape of the horse's neck, thereby producing excessive friction, which not only tends to wrinkle and chafe this part of the pad to such an extent as to soon impair its usefulness, but this wrinkled uneven surface causes more or less irritation upon the nape of the horse's neck.

I have found that when a leather reinforcement separate from the sweat-pad is used it soon loses its original shape by becoming more or less crumpled or wrinkled and not only causes considerable annoyance by continually getting out of place, but its edges are more or less liable to turn under and cause irritation to the horse's neck.

My object, therefore, is to produce a unitary article of manufacture combining the sweat-pad of felt or equivalent absorbent with a reinforcement of smooth comparatively stiff leather, such as rawhide or calfskin, and to permanently secure these parts together in such manner that the leather reinforces and stiffens the felt, so that the inner face of the neck of the pad is always smooth and is made to conform to the shape of the horse's neck, thereby reducing the friction and irritation to a minimum and prolonging the life of the pad.

Other more specific objects will be brought out in the following description.

In the drawings, Figures 1 and 2 are respectively a perspective view and an inverted plan of my improved horse-collar pad. Figs. 3 and 4 are sectional views taken, respectively, on lines 3-3 and 4-4, Fig. 2.

In carrying out the objects stated I provide a sweat-pad A, of felt or equivalent absorbent, having a central comparatively narrow neck portion 1 and wider ends 2, which form the shoulder-pads. This pad 1 is cut to conform to the shape of the inner face of the collar and neck of the horse, but is somewhat wider and in use is placed between the collar and neck of the horse, with the neck 1 covering the nape of the horse's neck. A reinforcement B, of rawhide, calfskin, or other comparatively smooth stiff leather, is cut to conform to the contour of the inner face of the pad A after the latter is bent to fit the horse's neck and its marginal edges are stitched or otherwise permanently secured to the inner face of the pad A while the latter is in its working form. The reinforcement B is applied only to the inner face of the neck 1 of the pad A, but is somewhat narrower and extends equidistant in opposite directions from the center of said neck, and in stitching it in place it is arched longer longitudinally without wrinkling to conform as nearly as possible to the cross-sectional form of the nape of the horse's neck, and it is also convexed inwardly transversely, and in this form it is stitched at the edges to the pad A, so that the front and rear edges of the neck of the completed pad are deflected or curved upwardly to conform to the nape of the neck, and also to prevent underrolling or folding of said edges. It is also apparent that by stitching the ends of the reinforcement B to the felt A while both are folded to conform to the shape of the collar the reinforcement B is free from wrinkles or folds and serves to maintain the shape of the part A, which if straightened out would buckle, and therefore the distance along the inner face of the part B from the stitches at one end to the stitches at the opposite end is less than the distance between the corresponding points measured along the part A. It is now seen that the leather part B, applied as described, not only forms a smooth comparatively tough bearing on the nape of the neck to reduce friction and irritation, but also serves to form and retain the form of the felt

pad to conform to the shape of the inner face of the collar. In order to prevent displacement of the complete pad relatively to the collar while in use, I provide it with suitable
5 clamping devices 3 and 4, in the form of loops or straps, which fit upon portions of the collar to detachably lock the pad to the collar.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—
10 ent, is—

A sweat-pad made of one continuous piece

of absorbent material having a comparatively narrow arched neck portion and widened ends and a reinforcement of leather stitched at its marginal edges to the inner face of the
15 neck portion.

In witness whereof I have hereunto set my hand this 28th day of November, 1904.

GEORGE A. REYNOLDS.

Witnesses:

R. J. GREGG,

J. W. KILGOUR