

No. 828,186.

PATENTED AUG. 7, 1906.

D. S. BROWN.
PAD FOR HORSE COLLARS.
APPLICATION FILED JAN. 18, 1906.

Fig. 1,

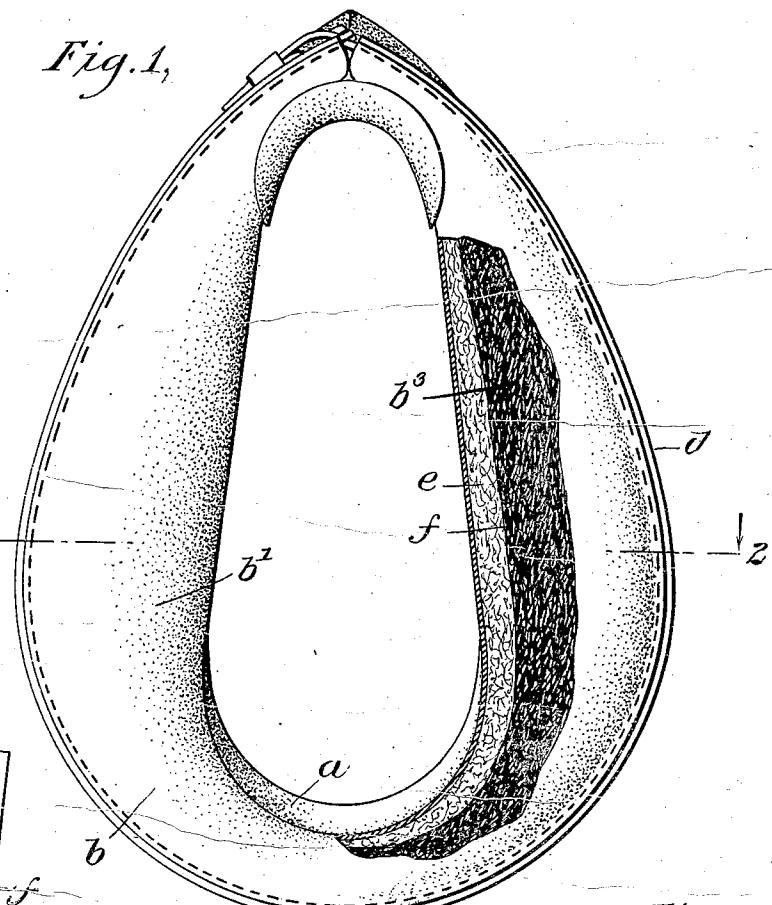


Fig. 3,

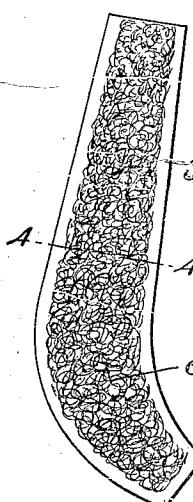


Fig. 4.

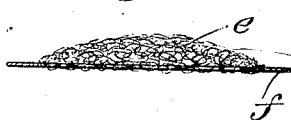
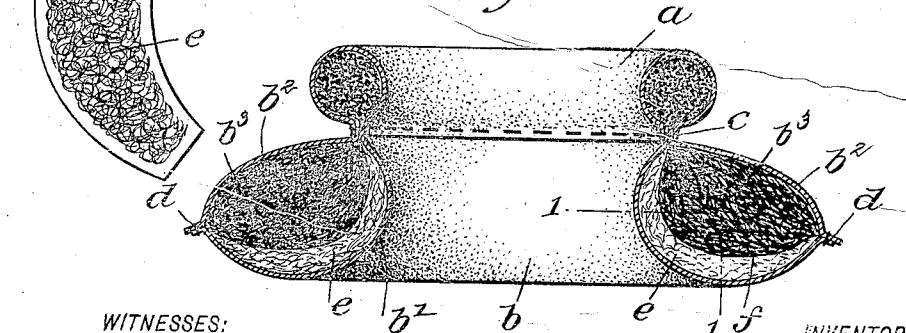


Fig. 2,



WITNESSES:

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PAD FOR HORSE-COLLARS.

No. 828,186.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed January 18, 1906. Serial No. 296,591.

To all whom it may concern:

Be it known that I, DELMONT S. BROWN, a citizen of the United States, and a resident of Watertown, in the county of Jefferson and State of New York, have invented a new and Improved Pad for Horse-Collars, of which the following is a full, clear, and exact description.

Pads or underfacings for use in horse-collars and various similar places have usually been constructed by forming a sort of bag or by securing two sheets of fabric or similar material together at the edges and forcing curled hair or other cushion material into the same through an opening in the end or side thereof. This results in making wads at certain places, and therefore produces irregularities in the softness of the pads.

My invention relates to improvements in the construction of such pads, whereby the above-mentioned irregularity is overcome.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is an end elevation of a collar, partly broken away, on the line 1 1 of Fig. 2, showing how a pad comprising my invention is applied to a horse-collar. Fig. 2 is a sectional view of the same on the line 2 2 of Fig. 1. Fig. 3 is a plan of a pad as constructed before it is applied to the collar, and Fig. 4 is a sectional view on the line 4 4 of Fig. 3.

In the present embodiment of my invention the collar comprises a roll or rim *a* and a body *b*, the body being formed by the face *b'* and the back *b''*, said face and back being connected by the seams *c* and *d* and the rim *a* also being connected to the seam *c*. The body portion of the collar is filled with a filling *b³*, of straw or other suitable material, and my improved pad is arranged between the filling and the face of the collar. The pad comprises a sheet of fabric material—such as burlap, duck, sheeting, or other suitable material—having upon one of the faces thereof a layer of cushioning material—such as hair, cotton, wool, &c.—portions of the cushioning material throughout the extent of the layer being passed through the fabric material, whereby to secure the cushioning material thereto. The layer of cushioning material is relatively thick along the longitudinal center thereof and gradually diminishes in thickness toward the edges, and the edges

of the fabric material are secured between the edges of the face and the back of the collar with the layer of cushioning material between the face and the filling of the collar. It will be evident that the stitching of the seams *c d* secures not only the face and the back together, but also secures the pad in place.

In the construction of the pad or under-facing I first take the cloth or other fabric or sheet material *f* and cut it to the desired shape, but larger than the pad which I wish to produce. I then place the cushioning material—as, for example, curled hair—upon it, shaping it as desired to produce a pad of the necessary shape and giving it its greatest thickness along the center, while gradually diminishing the thickness at its edges. Then I secure the cushioning material to the sheet of fabric by needling through the cushion material and fabric throughout the surface of the former, so that these two elements are effectively secured together throughout the entire extent of the cushioning material and so that the latter is held in shape by the hair which passes through the fabric. By this operation the parts are connected in such a manner and the cushion is so formed that it can be kept in perfect shape while being made up and afterward, the shape being entirely within the control of the manufacturer. Furthermore, this shape can be retained through all manipulations of the pad in manufacturing the completed article, and the stuffing operation above mentioned is dispensed with.

The needling operation is performed by forcing barbed unthreaded needles through the material, so as to force the hair through the fabric to hold the body of hair thereto. Another way in which the result can be attained to a certain degree is to place the hair upon the fabric, shape it as before, and rub it back and forth to force it into the fabric, so that the individual hairs will project through onto the other side and hold the body of hair in position.

By constructing a pad in this manner and applying it to a horse-collar in the manner set forth above I produce a collar which has all the advantages of the well-known Irish and Scotch collars and which can be made at less expense.

Having thus described my invention, I claim—

1. A horse-collar provided with a pad,

- comprising a sheet of fabric material having upon one face thereof a layer of curled hair, portions of the hair throughout the extent of the layer being passed through the fabric 5 material whereby to secure the hair to the fabric, said layer being relatively thick along the longitudinal center and gradually diminishing in thickness toward the edges thereof, the edges of the fabric material being secured 10 between the edges of the face and back of the collar, and the layer of hair being between the face and the filling of the collar.
2. A horse-collar provided with a pad comprising a sheet of fabric material having on one of the faces thereof a layer of hair, said layer being secured to the fabric throughout the extent of the layer, said layer being relatively thick along its longitudinal center and gradually diminishing in thickness toward the edges thereof, the edges of the fabric material being secured between the edges of the face and back of the collar, and the layer of hair being between the face and the filling of the collar. 15
3. A horse-collar provided with a pad comprising a sheet of fabric material having upon one face thereof a layer of hair, portions of the hair throughout the extent of the layer 20
- being passed through the fabric material whereby to secure the hair to the fabric, said pad being arranged between the face and the filling of the collar. 30
4. A pad for horse-collars, comprising a sheet of fabric material having upon one face thereof a layer of cushioning material, portions of said material throughout the extent of the layer being passed through the fabric material whereby to secure said material to the fabric. 35
5. A pad for horse-collars, comprising a sheet of fabric material having upon one of the faces thereof a layer of hair, portions of the hair throughout the extent of the layer being passed through the fabric material whereby to secure the hair to the fabric, the edges of the sheet of fabric material being extended beyond the layer of hair, to form a means whereby to attach the pad to the collar. 40
- In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.
- DELMONT S. BROWN.

Witnesses:

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