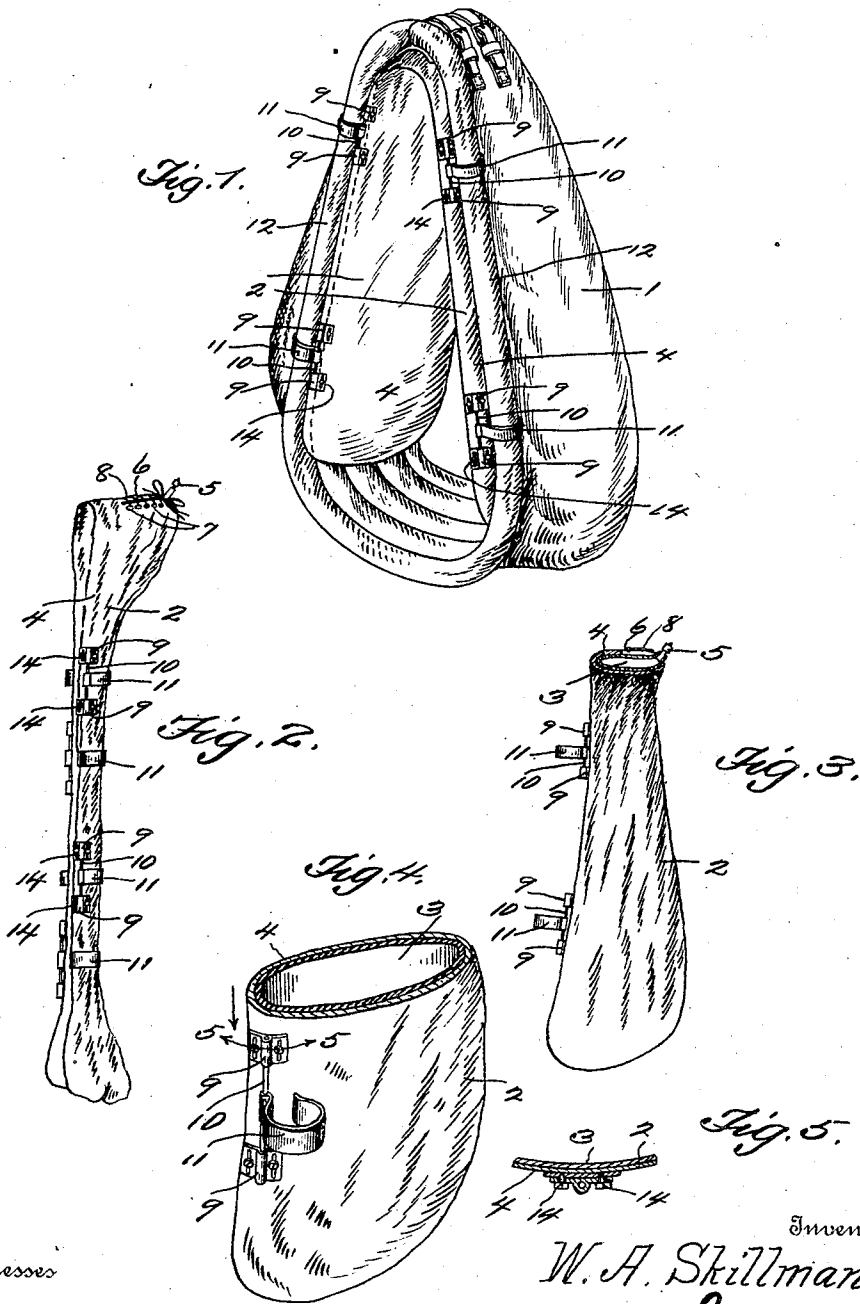


W. A. SKILLMAN.
PNEUMATIC PAD FOR HORSE COLLARS.
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968,607.

Patented Aug. 30, 1910.



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UNITED STATES PATENT OFFICE.

WALTER AVERY SKILLMAN, OF SPRINGFIELD, SOUTH DAKOTA.

PNEUMATIC PAD FOR HORSE-COLLARS.

968,607.

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To all whom it may concern:

Be it known that I, WALTER A. SKILLMAN, a citizen of the United States, residing at Springfield, in the county of Bonhomme and State of South Dakota, have invented a new and useful Pneumatic Pad for Horse-Collars; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention pertains to horse collars, and particularly relates to a new and useful pneumatic pad or cushion, to be arranged adjacent the horse and beneath the collar.

The primary object of the invention is the provision of a pneumatic pad or cushion, having novel means, whereby when the cushion is inflated it may be held in its proper position with regard to the collar; and when the cushion is not inflated, the same novel means, is so arranged as to hold the cushion in a small compass, as shown clearly in the drawings.

In this application a certain form of device is illustrated, but the applicant in no way desires to be restricted to this special form. The right being reserved to make changes in the details of construction, provided the changes fall within the scope of the appended claims.

In the drawings:—Figure 1 is a perspective view of a horse collar, showing the improved pneumatic cushion or pad in position beneath the collar, showing the means for connecting the cushion or pad in such a position. Fig. 2 is a view showing the cushion folded into a compact form, and illustrating how the means for holding the cushion to the collar, holds the cushion in the said compact form. Fig. 3 is a sectional view through the cushion. Fig. 4 is a detail perspective view of the means for connecting the cushion to the collar, and for holding the cushion folded when not inflated. Fig. 5 is a sectional view taken on line 5—5 of Fig. 4.

Referring to the accompanying illustrations, 1 denotes a horse collar of the usual

form, while 2 represents the pneumatic cushion or pad. This pneumatic cushion or pad consists of an inner and outer casing 3 and 4. The outer casing may be made of any suitable material, preferably leather, or other fiber, while the inner casing may be made of rubber, or a composition of rubber and fiber or fabric. The inner casing is designed to be inflated, when it is desired to be used as a pneumatic cushion or pad. To inflate the inner casing of the cushion, the same is provided with an automatically closing valve, the details of which are not disclosed or described in this application, to which a pump may be connected in order that air may be forced into the inner casing. If it is so desired, one may inflate the inner casing by blowing thereinto. The valve opens by the action of the incoming air, and when the air is cut off, the valve automatically closes. This valve 5 is located at the upper portion of the inner casing, and after the inner casing is inflated, the same is arranged between the inner and outer casing. To obscure the valve from view, and to have access to it, the outer casing is provided with an opening 6, the opposite edges of which are provided with eyes 7, through which a lacing 8 is interlaced, in order to close the opening when desired.

The outer casing is provided with a plurality of keepers 9 to receive the pivot rods 10. Pivotaly connected to the rods are steel spring clamps 11, which are designed for connecting to the roll or bead 12 of the horse collar, in order to hold the cushion properly in place. These keepers, rods and hooks are arranged on a pneumatic cushion or pad in staggered relation. The keepers 9 are secured to the outer casing by means of screws 14, which extend through the keepers and are inserted in the outer casing. As will be seen, by reference to Fig. 1, these screws 14 are disposed in slots formed in the keepers, which enables said keepers to be adjusted.

The invention having been described, what is claimed as new and useful is:—

1. A pneumatic cushion for horse collars, hooks arranged thereon in staggered rela-

tion for holding the cushion to the collar and for holding the same in a folded compact form when in deflated condition.

2. A pneumatic cushion for horse collars,
5 hooks adjustably arranged thereon in staggered relation for holding the cushion to the collar and for holding the same in a folded compact form when in deflated condition.

In testimony whereof I have signed my name to this specification in the presence of 10 two subscribing witnesses.

WALTER AVERY SKILLMAN.

Witnesses:

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WM. THOMPSON.