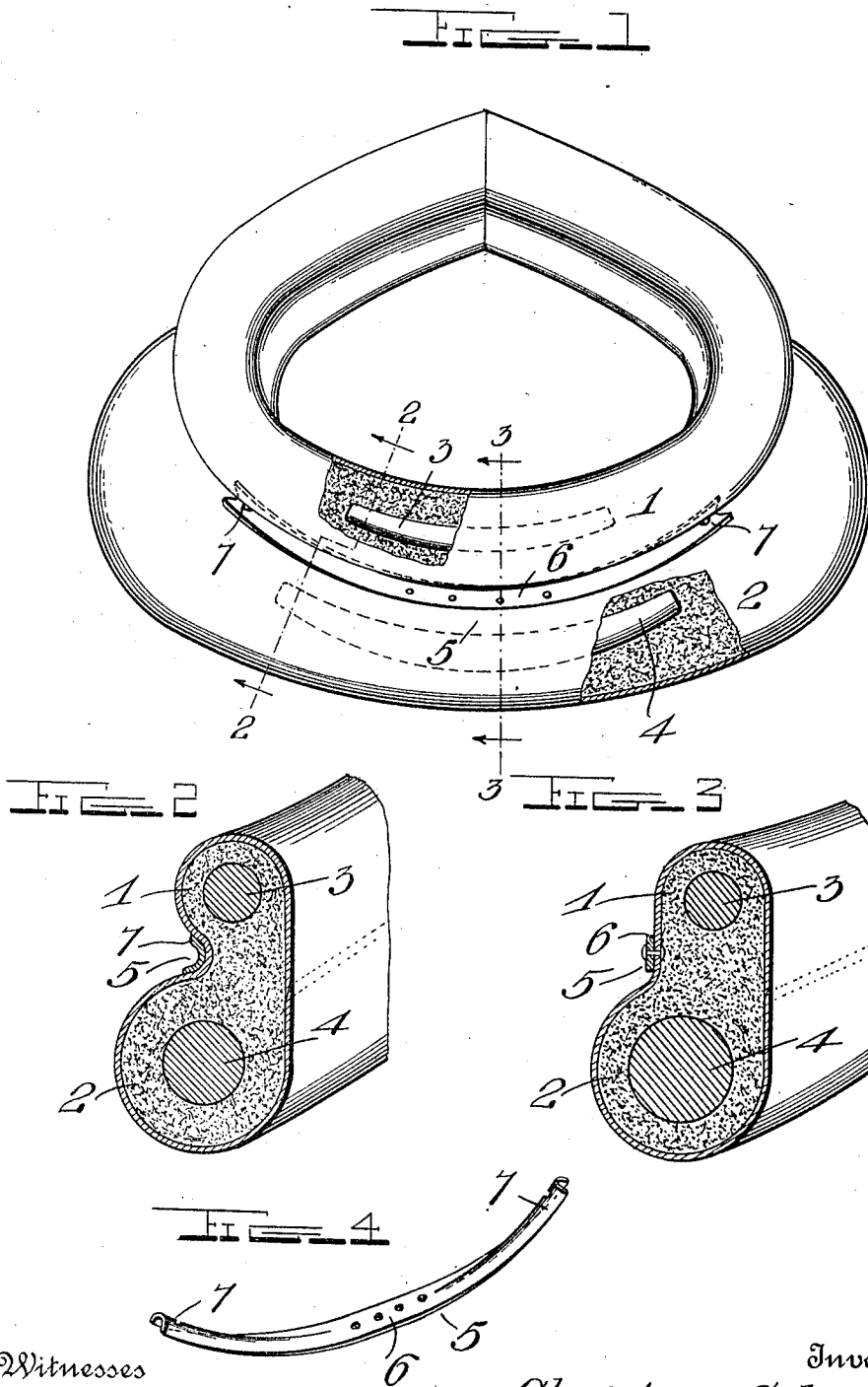


C. SCHENCK.
REINFORCING MEANS FOR COLLARS.
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1,020,576.

Patented Mar. 19, 1912.



Witnesses
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UNITED STATES PATENT OFFICE.

CHRISTIAN SCHENCK, OF WESTON, ILLINOIS.

REINFORCING MEANS FOR COLLARS.

1,020,576.

Specification of Letters Patent.

Patented Mar. 19, 1912.

Application filed March 3, 1910. Serial No. 547,004.

To all whom it may concern:

Be it known that I, CHRISTIAN SCHENCK, a citizen of the United States, residing at Weston, in the State of Illinois, have invented certain new and useful Improvements in Reinforcing Means for Collars, of which the following is a specification.

This invention relates to collar reinforcing means and has for its object to provide means for so reinforcing the collar at the throat or bottom that liability of the collar breaking or bursting at this point is overcome.

A further object of this invention is to increase the elasticity of the collar at its bottom or throat portion to avoid the great rigidity which might otherwise exist at this point due to the use of the reinforcing means.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings:—Figure 1 is a sectional perspective view of a collar embodying the present improvements. Figs. 2 and 3 are transverse sections taken on lines 2—2 and 3—3 of Fig. 1, and Fig. 4 is a detail perspective view of the spring.

Referring to the drawings for a more particular description of the invention and which are for illustrative purposes only, and are therefore not drawn to scale, the numeral 1 indicates the front and 2 the back portion of the collar.

In carrying out this invention, the longitudinally curved rigid reinforcing bars 3 and 4 of round or other suitable form in cross section and of wood or other suitable material, are arranged in the bottom or throat portion of the outer and inner portions of the collar to overcome any liability of the collar breaking or bursting at this point. A spring 5 is arranged at the bottom or throat portion of the collar, the tendency of which is to expand or spread apart opposite sides of the collar near the ends of the spring, thus overcoming the rigidity at the throat portion of the collar, due to a

great extent to the use of the reinforcing bars and thereby enabling the collar to be easily removed. This spring is formed in a single piece and comprises the flat central portion 6 which fits against the central bottom portion of the collar between the outer and inner portions 3 and 4, and the end portions 7 of approximately V-shape in cross section which fit against and rest between the outer and inner portions. This spring may be secured in place by rivets or other equivalent means.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention may be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the present invention, as defined in the appended claims.

What is claimed as new is:—

1. A horse collar having rigid longitudinally curved reinforcing bars arranged in the outer and inner portions of its bottom or throat portion, and a spring arranged at the bottom or throat portion of the collar tending to expand or spread apart the ends of the collar and thereby overcome the rigidity which would otherwise exist due to the reinforcing bars.

2. A horse collar having rigid longitudinally curved reinforcing bars arranged in the outer and inner portions of its bottom or throat portion, and a spring arranged at the bottom or throat portion of the collar tending to expand or spread the ends of the collar apart and thus overcome the rigidity which would otherwise exist due to the reinforcing bars, said spring comprising a flat central portion and end portions of approximately V-shape in cross section.

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

CHRISTIAN SCHENCK.

Witnesses:

PEARL IVES,
ROBERT HENNING.