

No. 674,850.

Patented May 28, 1901.

K. A. ARNESON.
REINFORCE FOR COLLARS.

(Application filed Aug. 20, 1900.)

(No Model.)

Fig. 1.

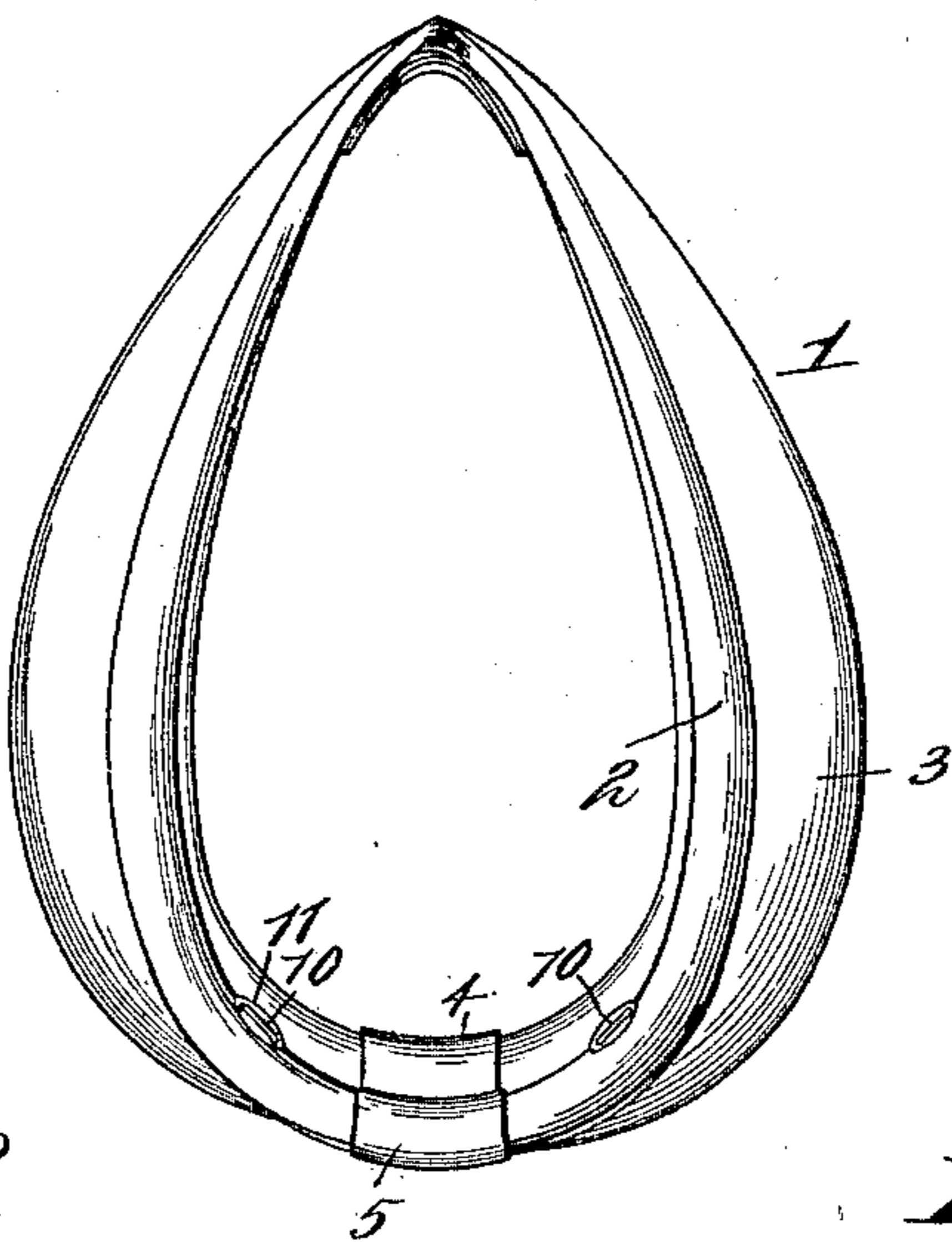


Fig. 2.

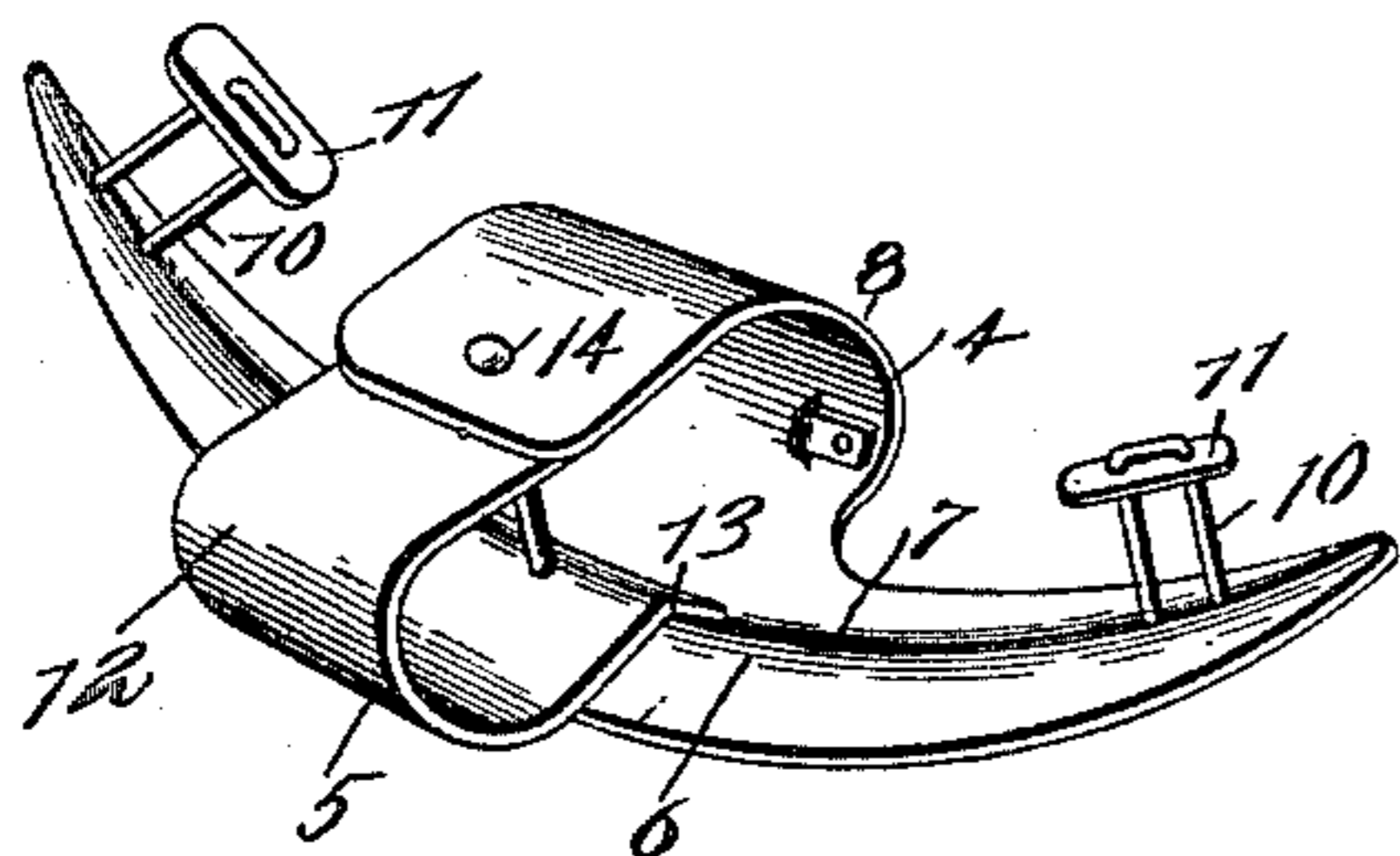


Fig. 3.

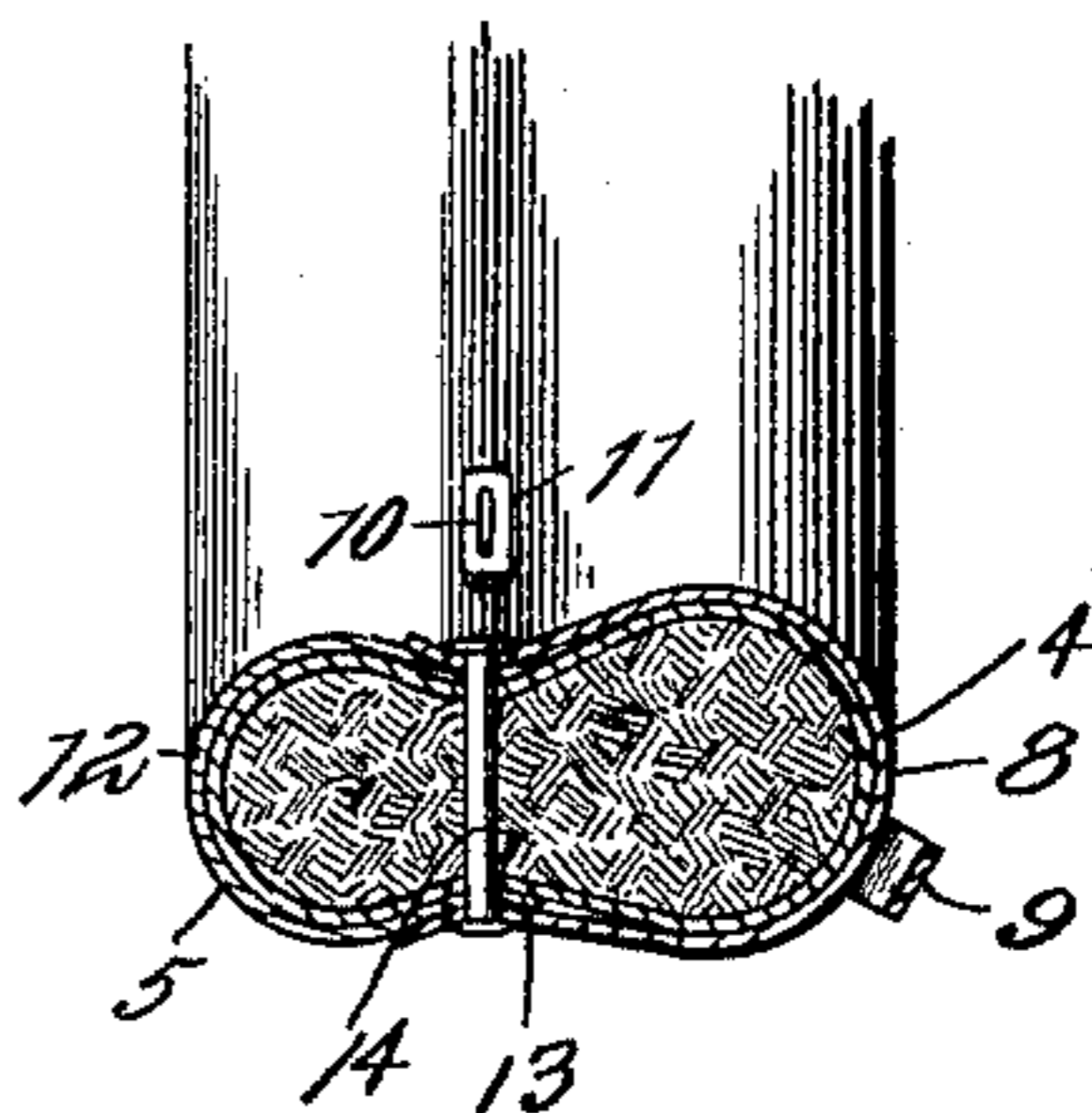
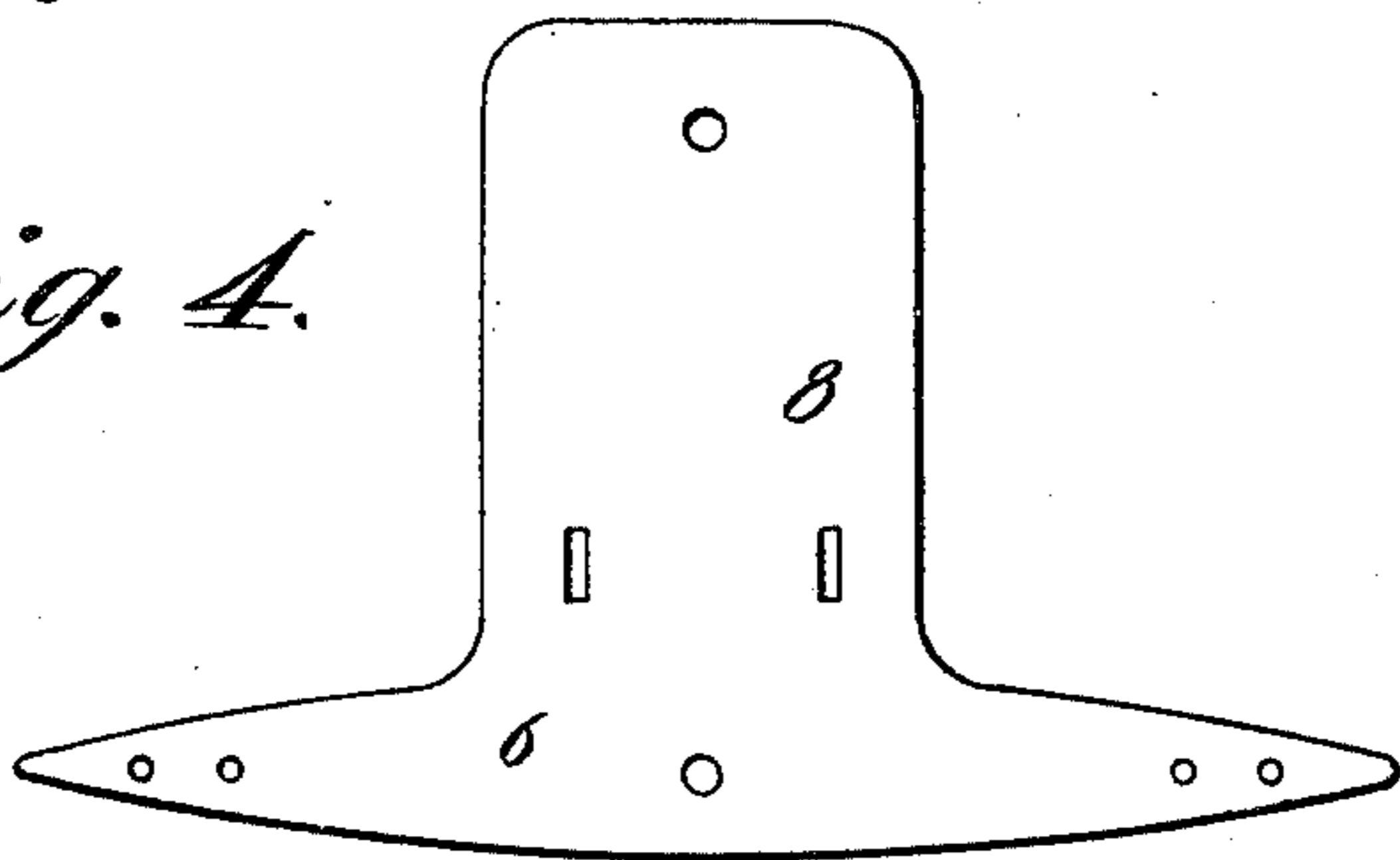


Fig. 4.



Witnesses

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REINFORCE FOR COLLARS.

SPECIFICATION forming part of Letters Patent No. 674,850, dated May 28, 1901.

Application filed August 20, 1900. Serial No. 27,469. (No model.)

To all whom it may concern:

Be it known that I, KNUDT A. ARNESON, a citizen of the United States, residing at Blanchardville, in the county of Lafayette and State of Wisconsin, have invented a new and useful Collar-Support, of which the following is a specification.

This invention relates to reinforces for horse-collars; and the object of the same is to provide simple and effective means for protecting the outer and inner sides of the lower portions of collars and strengthen the same at this point against wear of the neck-yoke thereon, rubbing of straps or any other devices, and to prevent breaking, and whereby old collars that have become worn may be repaired and rendered serviceable with but little expense and through means which are easily and readily applied.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a horse-collar, showing the improved device applied thereto. Fig. 2 is a detail perspective view of the improved device. Fig. 3 is a transverse vertical section through the collar and the improved device in applied position. Fig. 4 is a plan view of the blank from which a portion of the improved device is formed.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a horse-collar having the usual neck roll or rim 2, and body 3 defined by outer and inner creases.

The improved reinforce consists of a rear member 4 and a front member 5, the rear member 4 being formed from the blank shown by Fig. 4 and having an elongated substantially elliptical portion 6, with sharply-converged extremities and a longitudinal ridge 7, the said portion being also bowed longitudinally to regularly depress the same toward the center in a transverse direction, and thereby produce a holder to be fitted up into the lower portion of the outer crease between the neck-roll and the body of the collar. From the center of the rear edge of the said member 4 a tongue 8 transversely projects and is bent over to conform to

the contour of the body to which it is applied, and outstanding from the bent tongue is a loop 9 for attachment of the neck-yoke straps or other devices. The tongue 8 in its bent form is resilient, and the holder will yield sufficiently to permit a proper application to be made thereof, staples 10 being passed through the reduced extremities of the elliptical portion 6 and the inner and outer creases of the collar and through clip-plates 11, that bear on the inner crease at opposite sides of the center to prevent the heads of the staples from pulling through or tearing out the portions of the collar with which they engage. The opposite reduced extremities of the holder prevent the formation of projections at opposite sides of the lower portion of the collar, diminish the extent of the holder at points where it is not necessary to shield or protect the collar, and also allow the said extremities to be drawn in close to the collar within the crease by the staples. The second member 5 of the reinforce consists of a front closing-loop 12, of suitable resilient sheet metal, and having a seat 13 formed in the lower portion thereof near the inner end to rest on the center of the ridge 7, and when the parts are applied, as shown by Figs. 1 and 3, a securing-rivet 14 is passed through the central portion of the collar at the location of the inner and outer creases and also through the front extremity of the upper portion of the tongue 8, the rear upper extremity of the closing-loop 12, the lower seat portion of the latter, and the member 4, the seat 13 of the said loop causing the latter to be held in place against slipping and to enter closely up into the crease.

The ease of application of the improved device through its simplicity of construction will make it possible for any one to repair a worn collar, and the improved device can be cheaply manufactured in bulk and sold independently of the collars, or they may be applied to collars in the first instance or when the latter are manufactured. The upper extremity of the loop 12 may be formed with more than one hole for the fastening device to make it adjustable, and this obvious feature of construction will facilitate the application of the said loop to collars having different dimensions. The yielding nature

of the tongue and the loop also provide for tightly binding the central part of the improved device in place and acquiring a close fit. It is also proposed to construct the improved device of non-corrosive metal and to adopt other changes within the purview of the invention.

Having thus described the invention, what is claimed as new is—

10 A reinforce for use on a horse-collar having a front rim and a rear body portion and provided with inner and outer creases, said reinforce comprising an elongated, substantially elliptical member centrally ridged and
15 bowed longitudinally, and provided with oppositely-projecting reduced extremities, said

member having a central bowed tongue projecting from one side thereof, and a closing-loop attached to said member and to the bowed tongue and oppositely situated to the latter, the ridge of the said member being applicable to the outer crease in the lower central portion of the collar and the tongue and loop extended transversely over the rim and body portion of the collar.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

25
KNUDT A. ARNESON.

Witnesses:

M. J. CLEARY,
ARTHUR JOHNSON.