

No. 742,608.

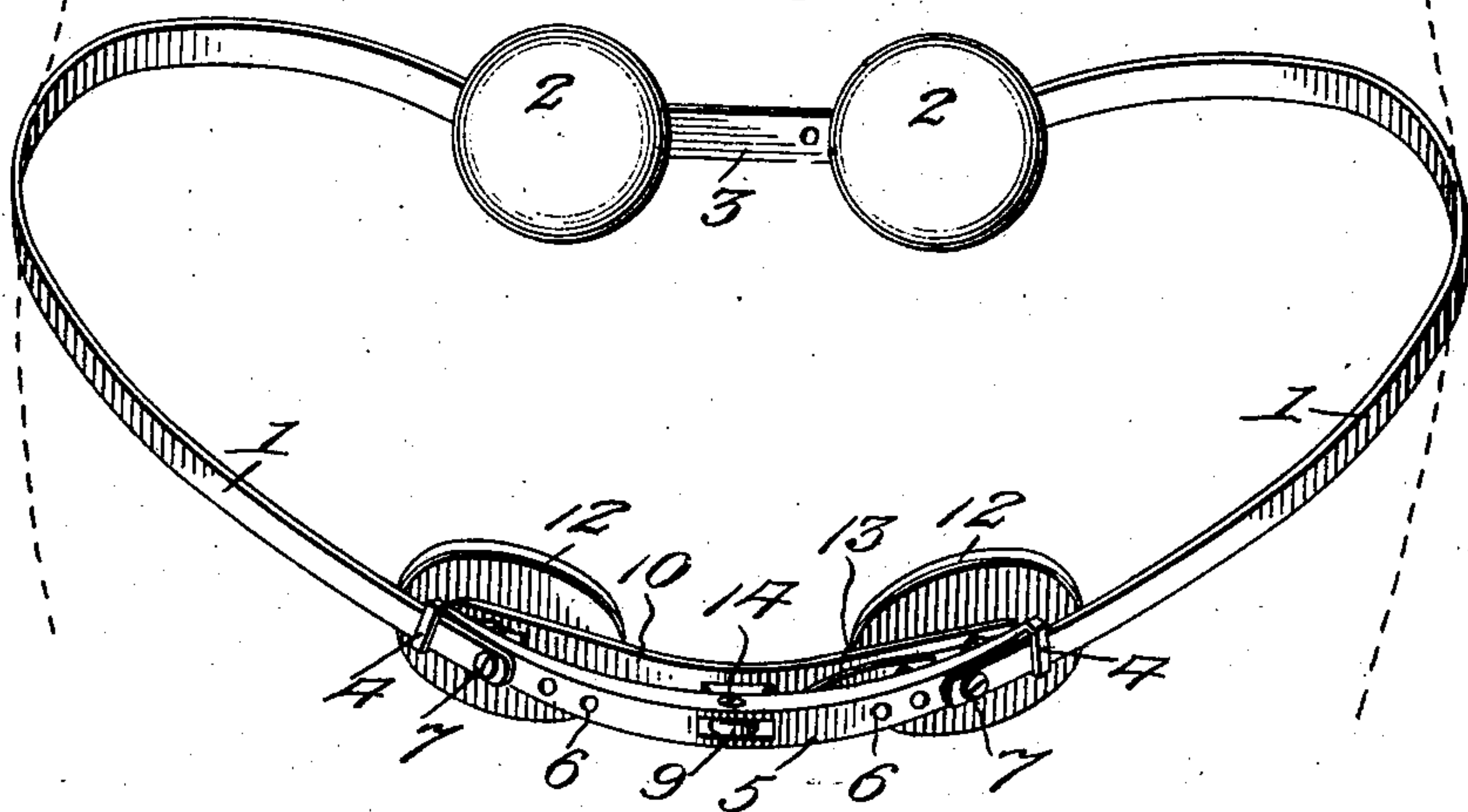
PATENTED OCT. 27, 1903.

R. DOANE.  
TRUSS.

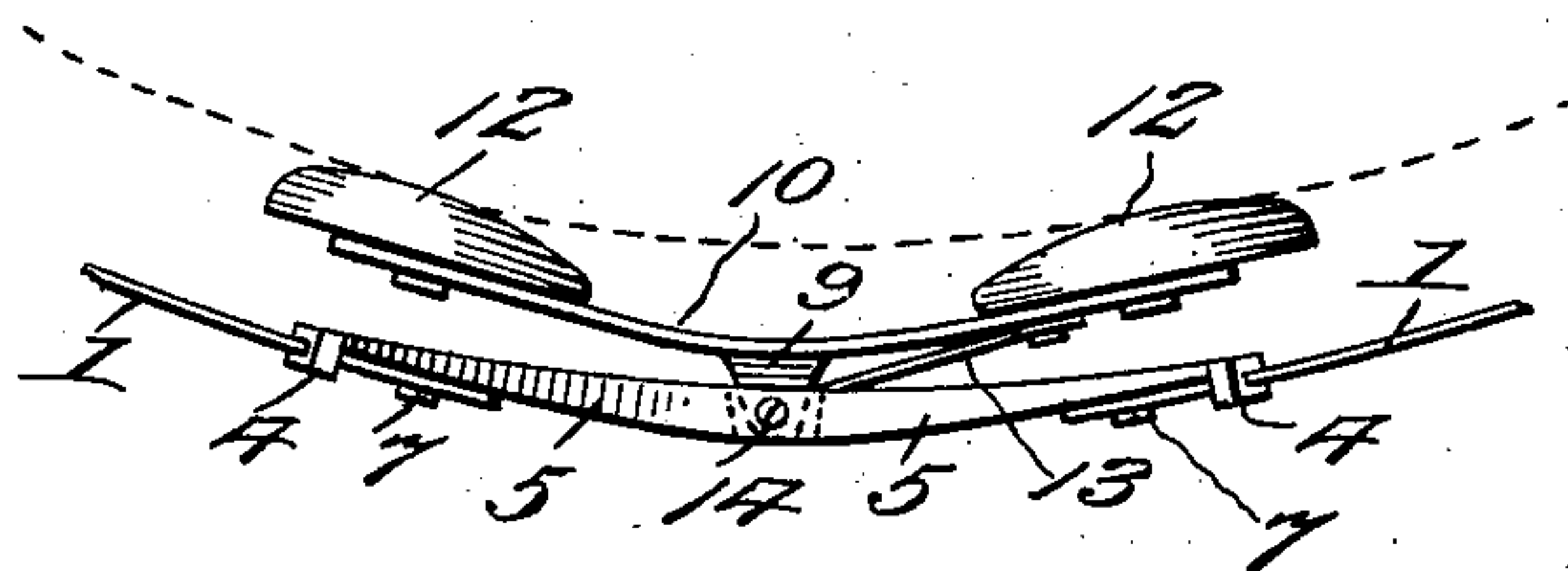
APPLICATION FILED MAR. 14, 1903.

NO MODEL.

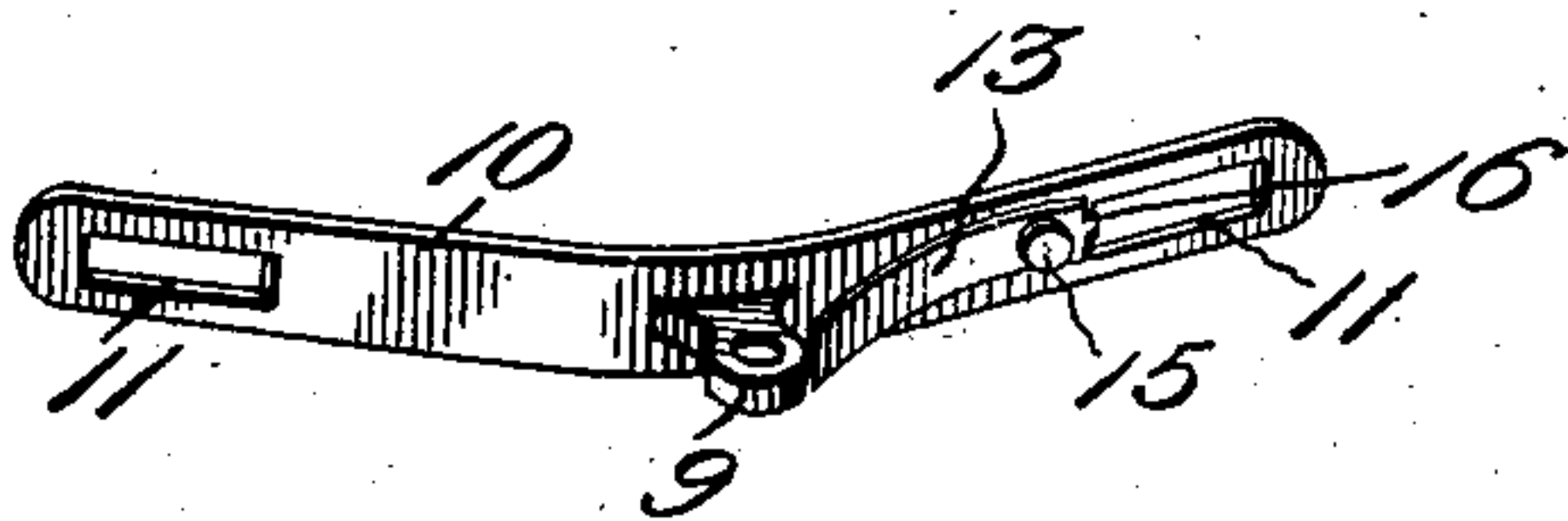
*Fig. 1.*



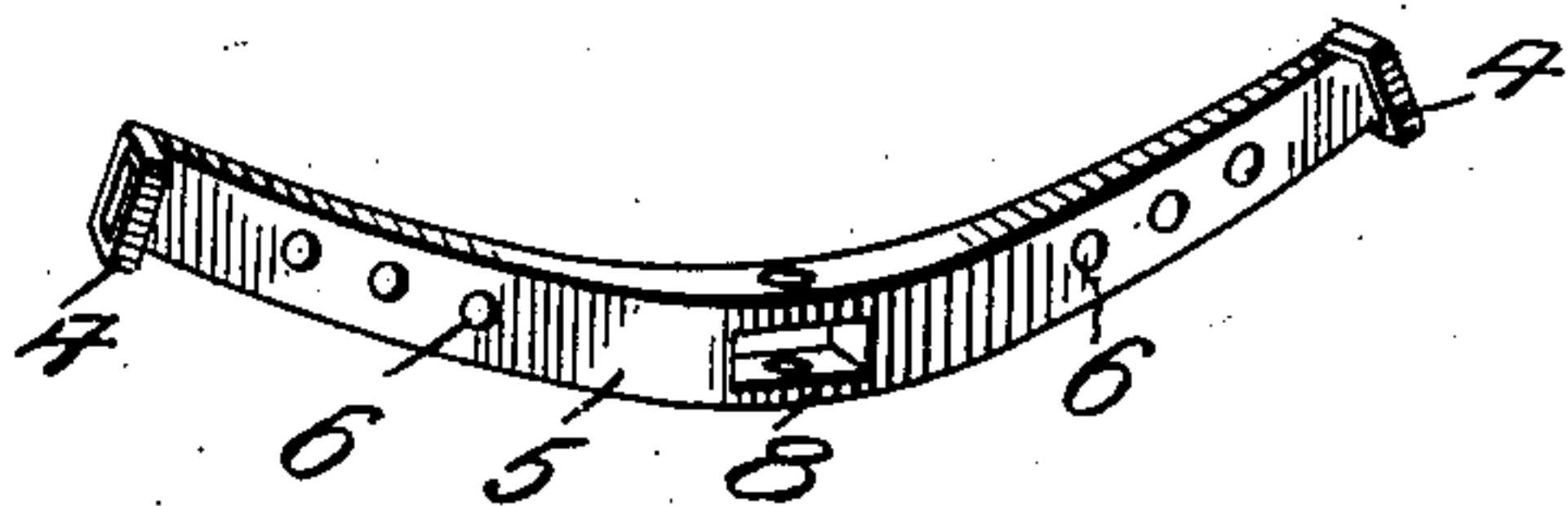
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses

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# UNITED STATES PATENT OFFICE.

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## TRUSS.

SPECIFICATION forming part of Letters Patent No. 742,608, dated October 27, 1903.

Application filed March 14, 1903. Serial No. 147,813. (No model.)

*To all whom it may concern:*

Be it known that I, ROYAL DOANE, a citizen of the United States, residing at Elmira, in the county of Chemung and State of New York, have invented new and useful Improvements in Trusses, of which the following is a specification.

This invention relates to new and useful improvements in trusses; and its object is to provide a device of this character having an adjustable spring-pressed pad-holding plate adapted to be used for right, left, or double hernia.

A further object is to provide a truss which is so constructed that pressure will at no time be exerted upon the spine of the wearer.

With the above and other objects in view the invention consists in the novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a perspective view of the truss. Fig. 2 is a plan view of the front portion thereof. Fig. 3 is a detail view of the pad-holding rocking bar, and Fig. 4 is a similar view of the adjustable front plate of the truss.

Referring to the figures by numerals of reference, 1 1 are spring bow-shaped arms, to the rear ends of which are connected back-pads 2, to which is detachably secured a back-strap 3. The front ends of the arms 1 extend through eyes 4, projecting forward from the ends of a curved front plate or strip 5, and this plate has a series of apertures 6, any one of which is adapted to receive a screw 7 or other suitable fastening device for securing the ends of the arms 1 to the plate. A slot 8 is arranged longitudinally in the plate 5 and is adapted to receive a lug 9, which is pivoted therein and extends forward from a plate 10, slotted at each end, as shown at 11, for the reception of means for securing pads 12 to the plate. A spring-strip 13 is fastened to plate 10, and its free end bears upon the front plate and serves to hold one of the pads pressed inward farther than the other.

It will be understood that the truss can be

adjusted to fit snugly about the body by the strap 3.

As the parts are shown in the drawings, the pads are arranged for rupture on the left side. By removing the pivot-screw 14 of the lug 9 the plate 10 can be reversed, so as to adapt the truss for a rupture on the right side. It will be understood that the spring 13 will press the proper pad inward and hold the rupture firmly in place. If it is desired to use the pads 12 for a double rupture, the spring 13 can be readily removed by unscrewing its fastening-screw 15.

It will be seen that the device is extremely compact and durable and can be readily adjusted to the body. The spring 13 has a sliding bearing on the front plate 5, and it is unnecessary to employ fastening means for its free end in view of the fact that a tongue 16 is provided at its opposite end and is bent into the adjoining slot 11 of plate 10. This tongue, together with the screw 15, prevents the spring from swinging out of proper position.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. In a truss the combination with a front plate having forwardly-extending eyes at the ends thereof; of spring-arms extending through the eyes and adjustably secured to the front plate, an inner plate, a pad adjustably secured to each end thereof, a lug extending from said plate and detachably pivoted within the front plate, a spring-strip detachably secured to the inner plate near one end thereof and bearing on the front plate, a tongue to the strip engaging its plate, pads upon the arms, and flexible means for connecting the free ends of the arms.

2. In a truss the combination with a front plate having eyes extending from the ends



thereof; of spring-arms extending through  
said eyes and detachably secured to the plate,  
an inner plate, a lug on the inner plate and  
pivoted in and detachably secured to the front  
5 plate, pads upon the inner plate, and a spring  
interposed between the front plate and one  
end of the inner plate.

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

ROYAL DOANE.

Witnesses:

CLAUDE S. DENSON,  
CUILON C. WALLIS.