

No. 814,829.

PATENTED MAR. 13, 1906.

H. A. CARL.
AIR CUSHION.
APPLICATION FILED MAY 2, 1904.

Fig. 1.

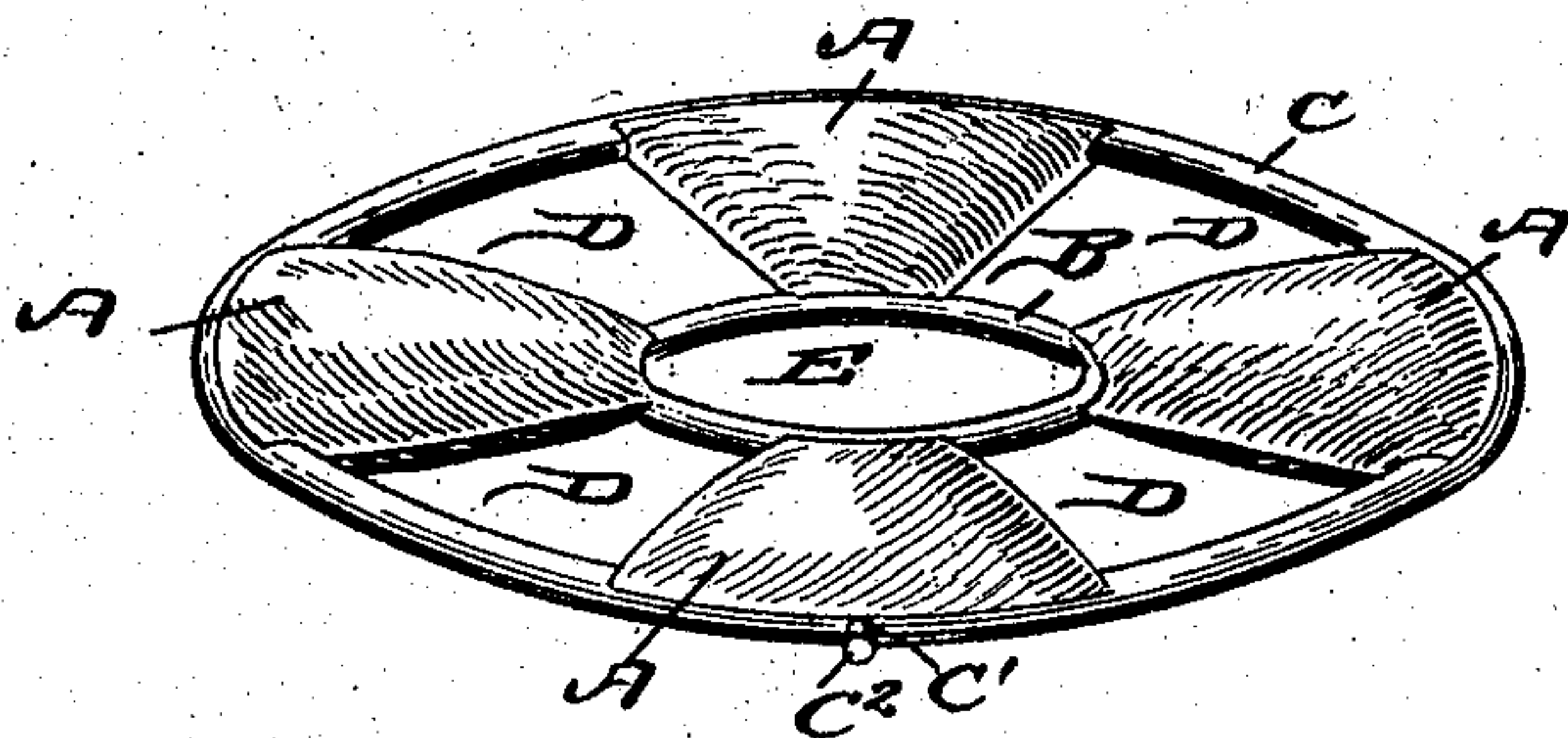


Fig. 2.

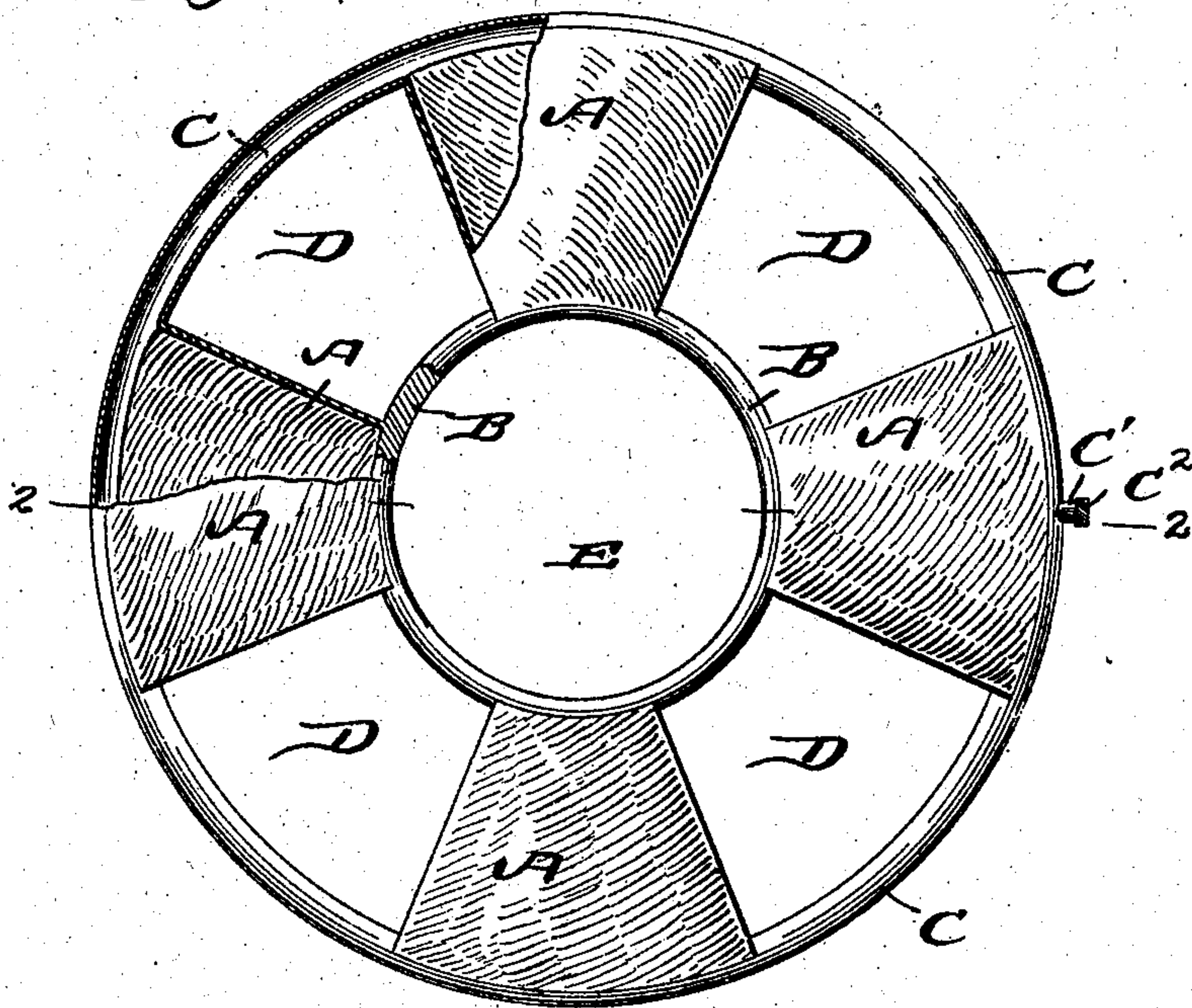
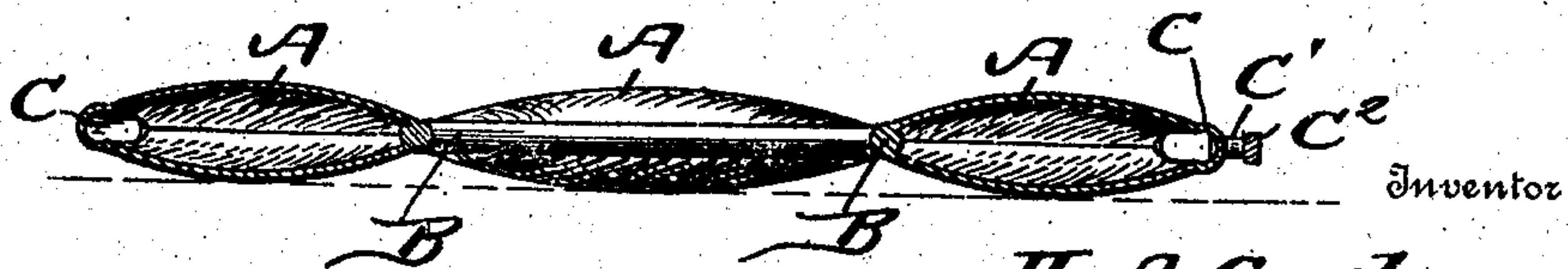


Fig. 3.



Witnesses

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HARRIET A. CARL, OF WEST FULTON, NEW YORK.

AIR-CUSHION.

No. 814,829.

Specification of Letters Patent.

Patented March 13, 1906.

Application filed May 2, 1904. Serial No. 206,001.

To all whom it may concern:

Be it known that I, HARRIET A. CARL, a citizen of the United States, residing at West Fulton, in the county of Schoharie and State of New York, have invented a new and useful Air-Cushion, of which the following is a specification.

This invention relates generally to air-cushions, and more particularly to a cushion to be used in hospitals, and especially for the use of patients suffering from sores which would be irritated by being laid upon.

The object of the invention is to provide a cushion of such construction that air can circulate freely through the same and also one which will permit the free circulation of blood to and from the affected parts, thereby greatly facilitating the growth of new tissue and the eventual healing of the sore.

The invention consists, essentially, in making a cushion from a series of inflatable bags connected at their inner ends in a suitable manner and at their outer ends by means of an inflating-tube, said inflatable bags being separated from each other, providing alternate vacant spaces for the free circulation of blood and air.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claim.

In the drawings forming part of this specification, Figure 1 is a perspective view of an air-cushion constructed in accordance with my invention. Fig. 2 is a top plan view, partly in section. Fig. 3 is a transverse sectional view on the line 3 3 of Fig. 2.

In constructing an air-cushion in accordance with my invention I employ a series of inflatable bags A, which are preferably constructed of rubber, and it will of course be un-

derstood that they may be made of any other suitable material. These bags are connected at their inner end to a circular arm B, said bags being spaced a considerable distance from each other, as most clearly shown, and are connected at their outer ends to a circular tube or pipe C, which serves as a common inflating-tube for the entire series of bags, the air being introduced through the vent-tube C', which is provided with a screw-cap C².

D indicates the spaces between the series of inflatable bags, and E is the open space in the center.

An air-cushion constructed as herein shown and described is not subject to the objections of the ordinary air cushion or pillow, every point of which comes in contact with the body. A very slight movement of a cushion constructed as herein described changes the pressure to other points and also permits the free circulation of air and blood to those parts previously affected by the pressure.

While I have shown and described a cushion comprising only four inflatable bags, it is obvious that any desired number may be employed, and although I have shown them arranged in circular form it will also be understood that the cushions may be made in any other shape desired.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A cushion comprising a central ring, a plurality of inflatable bags connected thereto, and an inflating-tube connecting the outer ends of said bags.

HARRIET A. CARL.

Witnesses:

MINA AKELEY,
LUMAN CARL.