

No. 804,701.

PATENTED NOV. 14, 1905.

O. M. BIGGER.
PNEUMATIC TIRE.
APPLICATION FILED JUNE 5, 1905.

Fig. 1

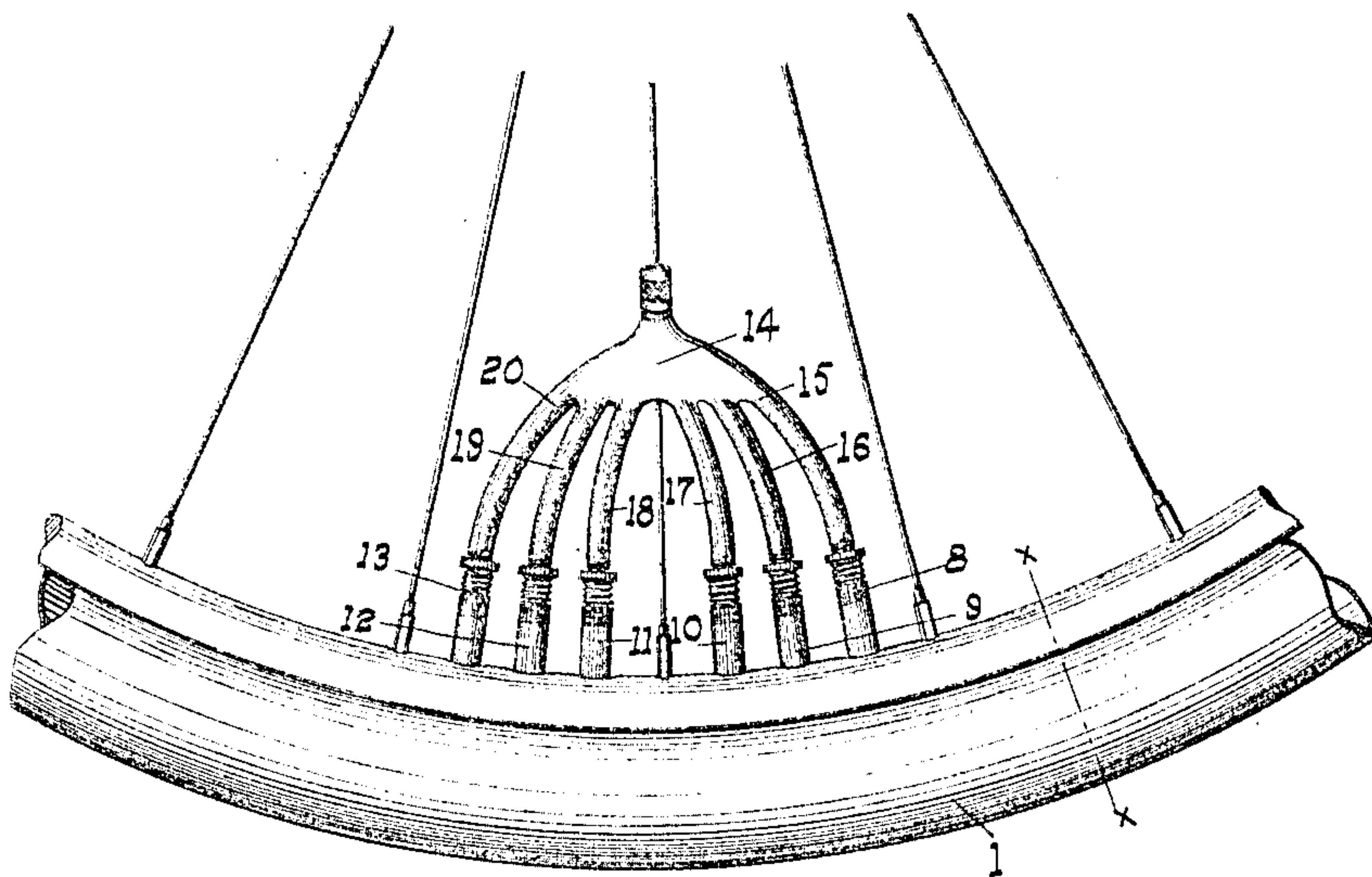
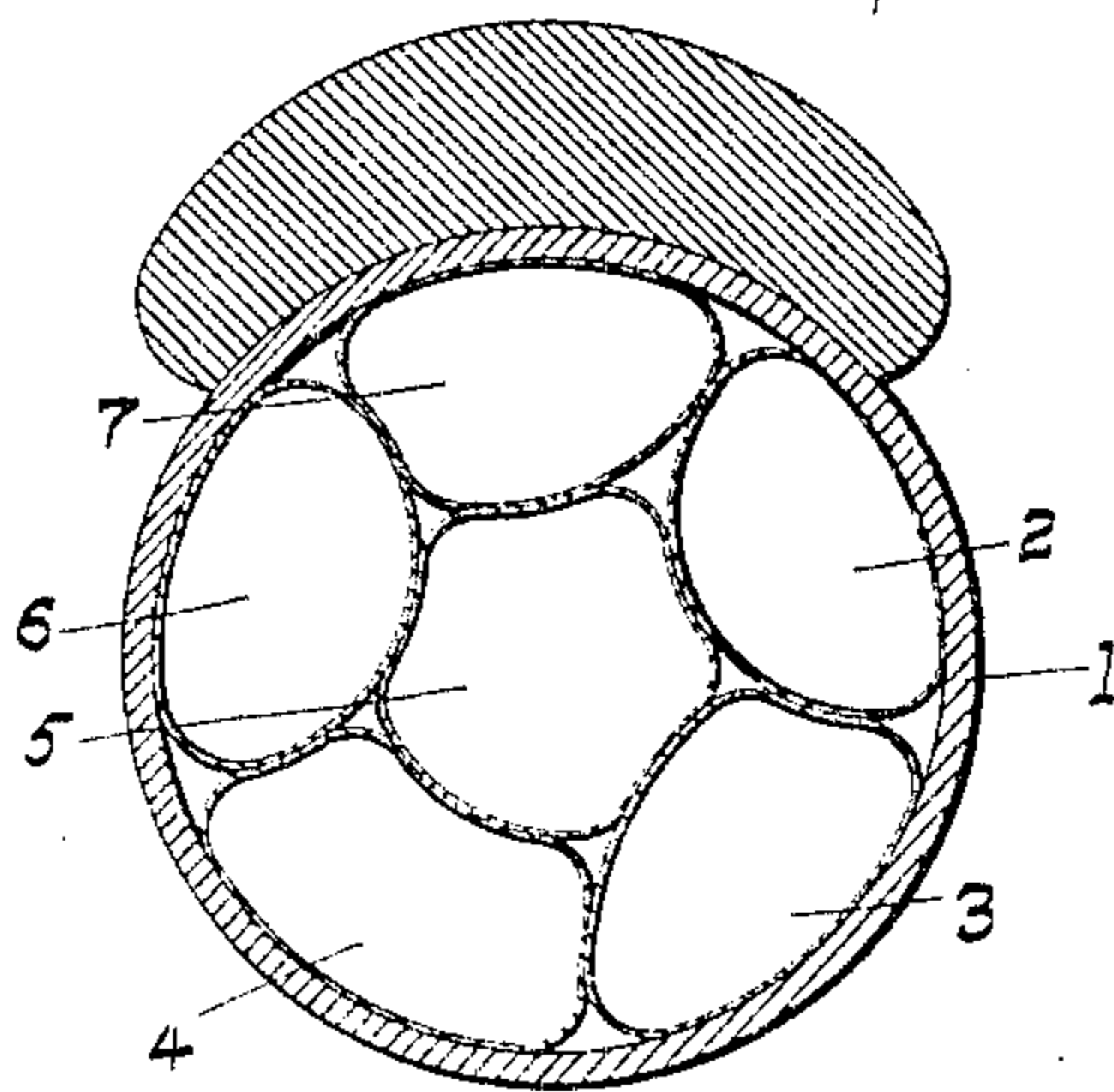


Fig. 2



Witnesses

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PNEUMATIC TIRE.

No. 804,701.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed June 5, 1905. Serial No. 263,735.

To all whom it may concern:

Be it known that I, OLIN M. BIGGER, a citizen of the United States, and a resident of Holt, in the county of San Joaquin, State of California, have invented certain new and useful Improvements in Pneumatic Tires, of which the following is a specification.

My invention relates to improvements in pneumatic tires; and my object is to produce such a tire as will when punctured be still serviceable. This object I accomplish by means of peculiar construction and arrangement of parts hereinafter set forth, and particularly pointed out in the claim appended.

In the drawings similar characters of reference indicate corresponding parts in both views.

Figure 1 is a portion of a wheel, showing a part of my device as attached thereto. Fig. 2 is a sectional view taken relatively on a line *x x* of Fig. 1.

1 designates the outer tube of my improved tire. Within said outer tube are arranged a plurality of flexible tubes 2, 3, 4, 5, 6, and 7, each being provided with an air-valve 8, 9, 10, 11, 12, and 13, respectively.

14 is a valve provided with a plurality of tubes 15, 16, 17, 18, and 19 and 20, adapted to be connected with the valves 8, 9, 10, 11, and 12 and 13, respectively.

In using the invention if one or more of the said inner tubes should become punctured then the remaining tube or tubes could be pumped up separately in the usual manner or by means of the valve 14 and its auxiliary

valves, and thus replace the space caused by the displacement of air occasioned by the said puncture.

Thus it will be seen that if one, two, three, four, or even five of the tubes are punctured the remaining tube or tubes may be blown up, and thus the rider proceed with little trouble.

I have now entered into a detailed description of the construction and relative arrangement of parts embraced in the present and preferred embodiment of my invention. I do not, desire, however, to be understood as confining myself to such specific detail, as such changes and modifications may be made in practice as fairly fall within the scope of my claim.

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

In a pneumatic tire, the combination of an outer tube, a plurality of independent inner tubes, a self-closing air-valve for each of said inner tubes, a self-closing main valve, a plurality of tubes leading from said main valve one of which is connected to each of said first-named valves, each said tube being separably connected to the valve to which it leads.

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

OLIN M. BIGGER.

Witnesses:

PERCY S. WEBSTER,
JOSHUA B. WEBSTER.