

No. 797,725.

PATENTED AUG. 22, 1905.

C. J. EICHHORN.  
AMPLIFYING HORN.  
APPLICATION FILED JUNE 14, 1905.

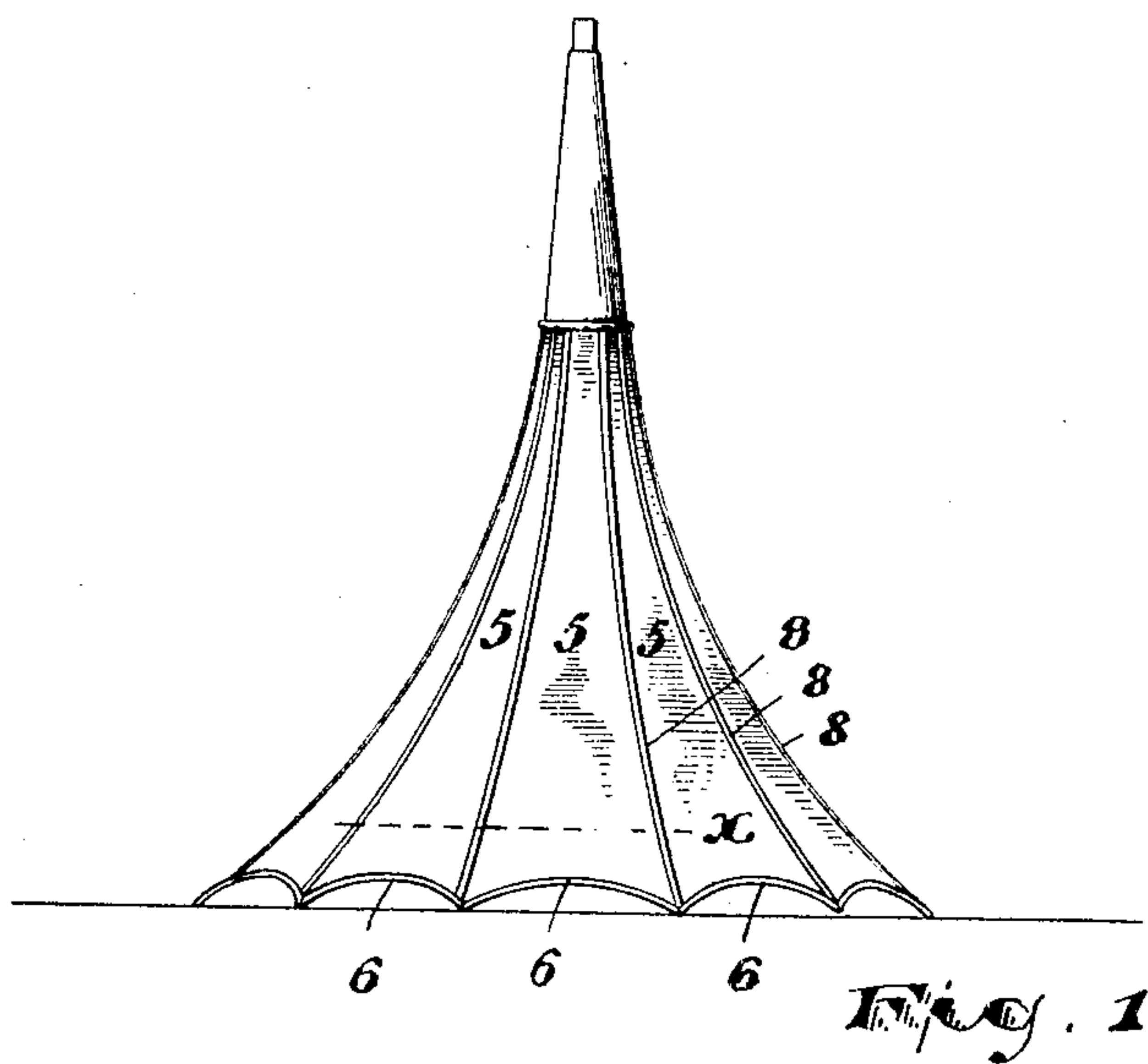


Fig. 2.

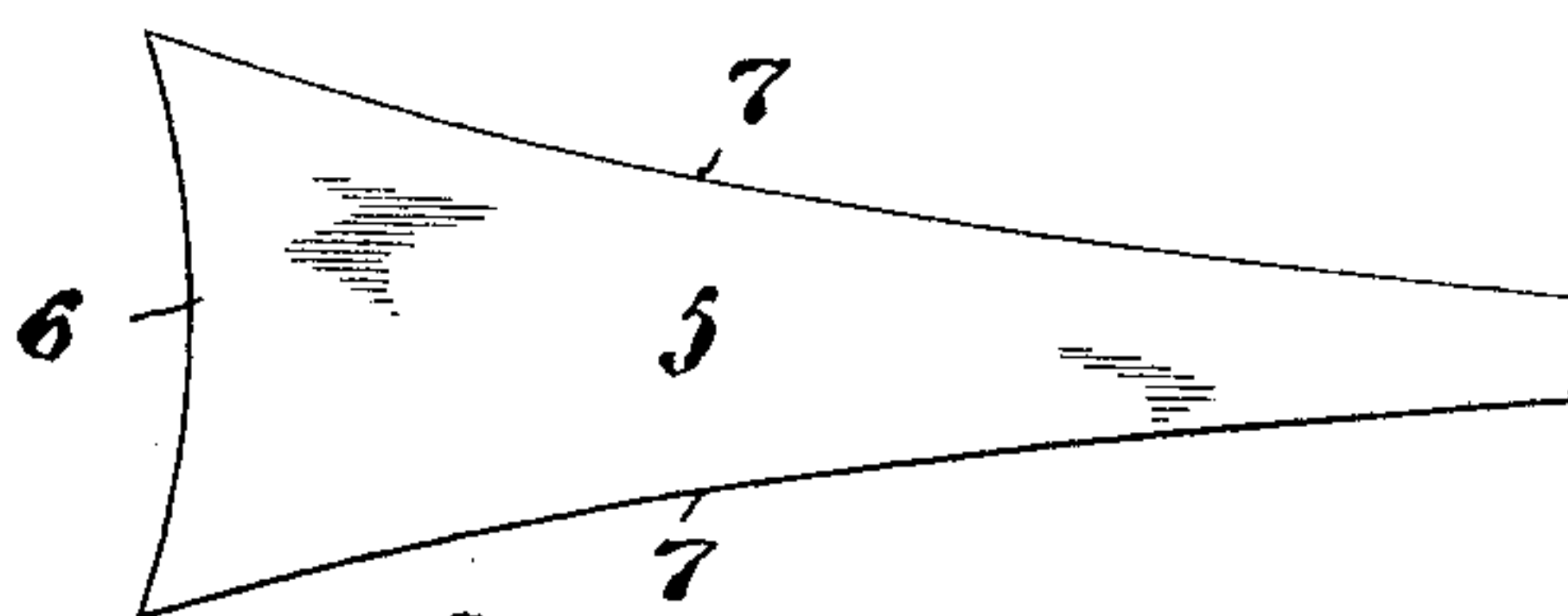
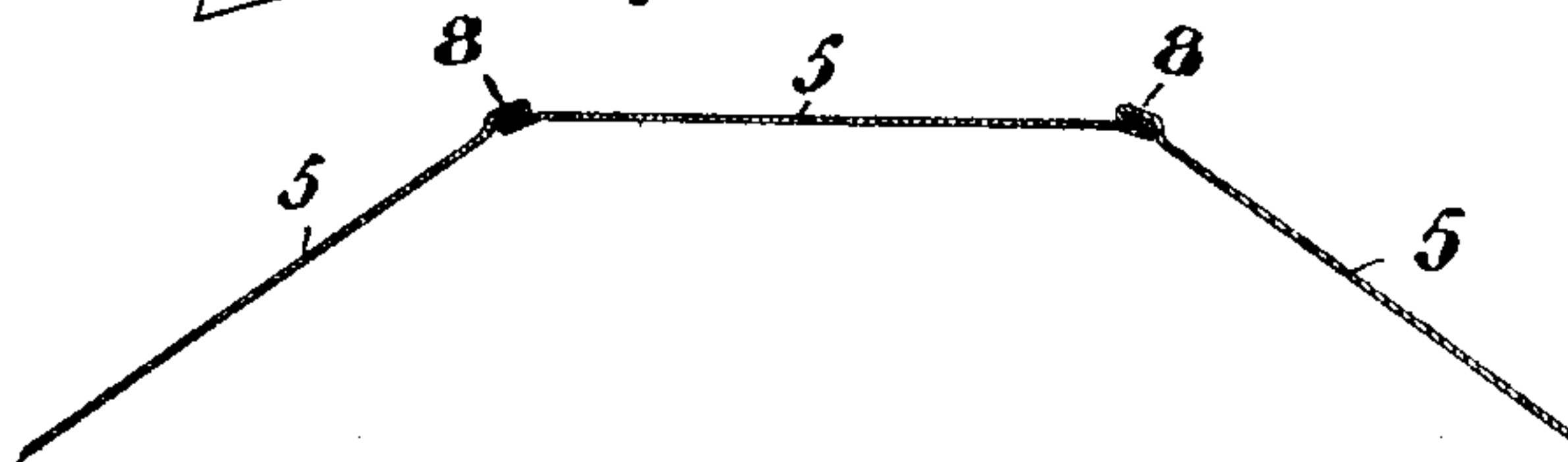


Fig. 3.



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## AMPLIFYING-HORN.

No. 797,725.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Application filed June 14, 1905. Serial No. 265,291.

*To all whom it may concern:*

Be it known that I, CHARLES J. EICHHORN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Amplifying-Horns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

The objects of this invention are to secure greater strength and rigidity at the large end of the horn, more particularly in what are known as "flower-horns," whereby said horns will be better able to maintain their flower shape while in transportation and in use.

Heretofore flower-shaped horns have had their projecting petals at the large end of the horn project beyond the termination of the ribs by which the sections of the horn have been held together. Thus the said petals, made from thin sheet material, were lacking in stiffness and were very easily bent, particularly when the horn stood upon its large end, as indicated in Figure 1 of the drawings, the bending and indenting of the weak petals greatly marring the appearance of the horn, so that it became unmarketable in the hands of the retail dealer. By my construction I secure a flower-shaped horn which is materially stronger to resist downward pressure.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Fig. 1 is a side elevation of my improved horn, and Fig. 2 is a plan of one of the longitudinal sections thereof, and Fig. 3 is an enlarged section of the same taken at line *x*, Fig. 1.

In said drawings, 5 5 indicate the sections

of the horn, which individually are flaring in plan and at their large ends are made concave, as at 6. The longitudinal edges 7 of said sections are also concave, so that when said sections are joined together the horn will be given the desired flaring and regularly scalloped shape at the edge of the large end, resembling a flower.

The sections 5 5 are joined together at their longitudinal edges by doubling the overlapping edges to form thick longitudinal ribs 8 8 8, which extend to the points of greatest projection of the petals. Thus the ribs 8 8 come in contact with the ground while the center parts of the sections are raised from the ground, and so are protected from bending or indentation.

Having thus described the invention, what I claim as new is—

1. The improved horn herein described, comprising a series of longitudinal sections joined together at their longitudinal edges, said longitudinal edges being concaved in plan and the large end edges of said sections being also concave, the joints of the said horn projecting beyond the center portions of the ends of said sections.

2. The improved horn herein described comprising longitudinal sections joined together at their longitudinal edges, the said longitudinal edges overlapping and being doubled together to form ribs, and the said ribs extending, at the large end of the horn, beyond the centers of the ends of the said sections and being adapted to take the weight of the horn when the latter stands upon its large end.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of June, 1905.

CHARLES J. EICHHORN.

Witnesses:

CHARLES H. PELL,  
CLEMENT BEECROFT.