

(No Model.)

J. H. RICE.  
HAY CAP.

No. 416,747.

Patented Dec. 10, 1889.

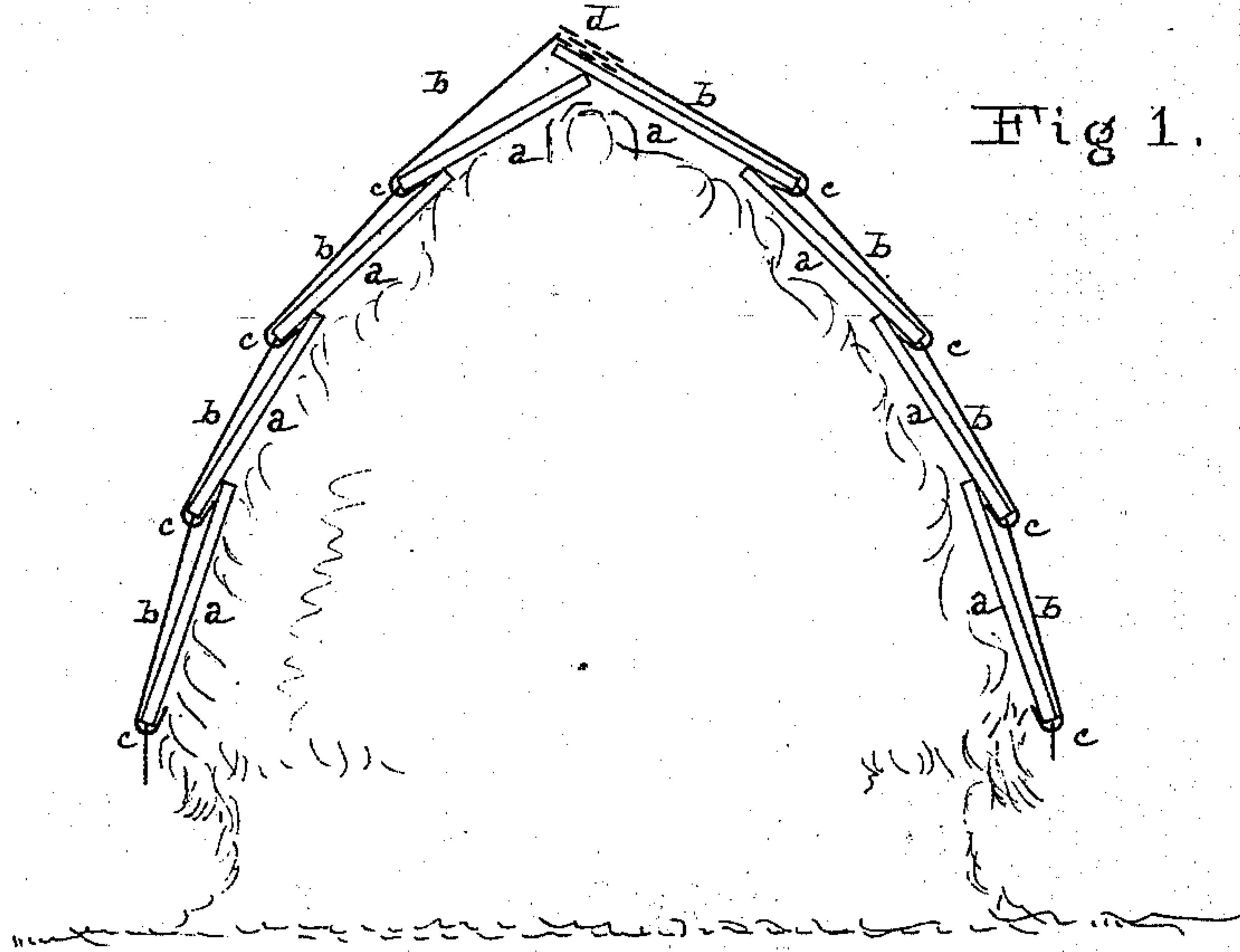


Fig 1.

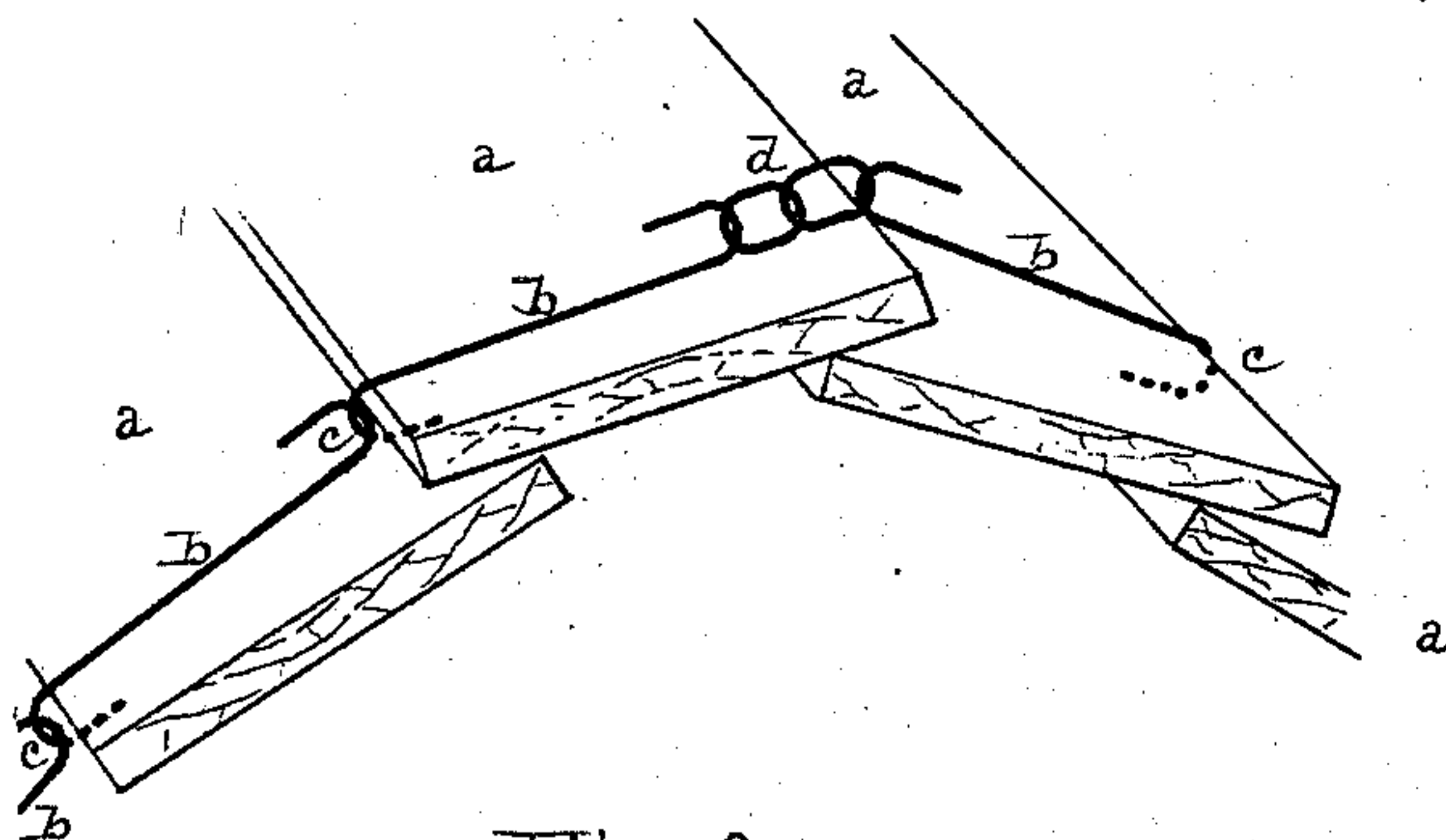
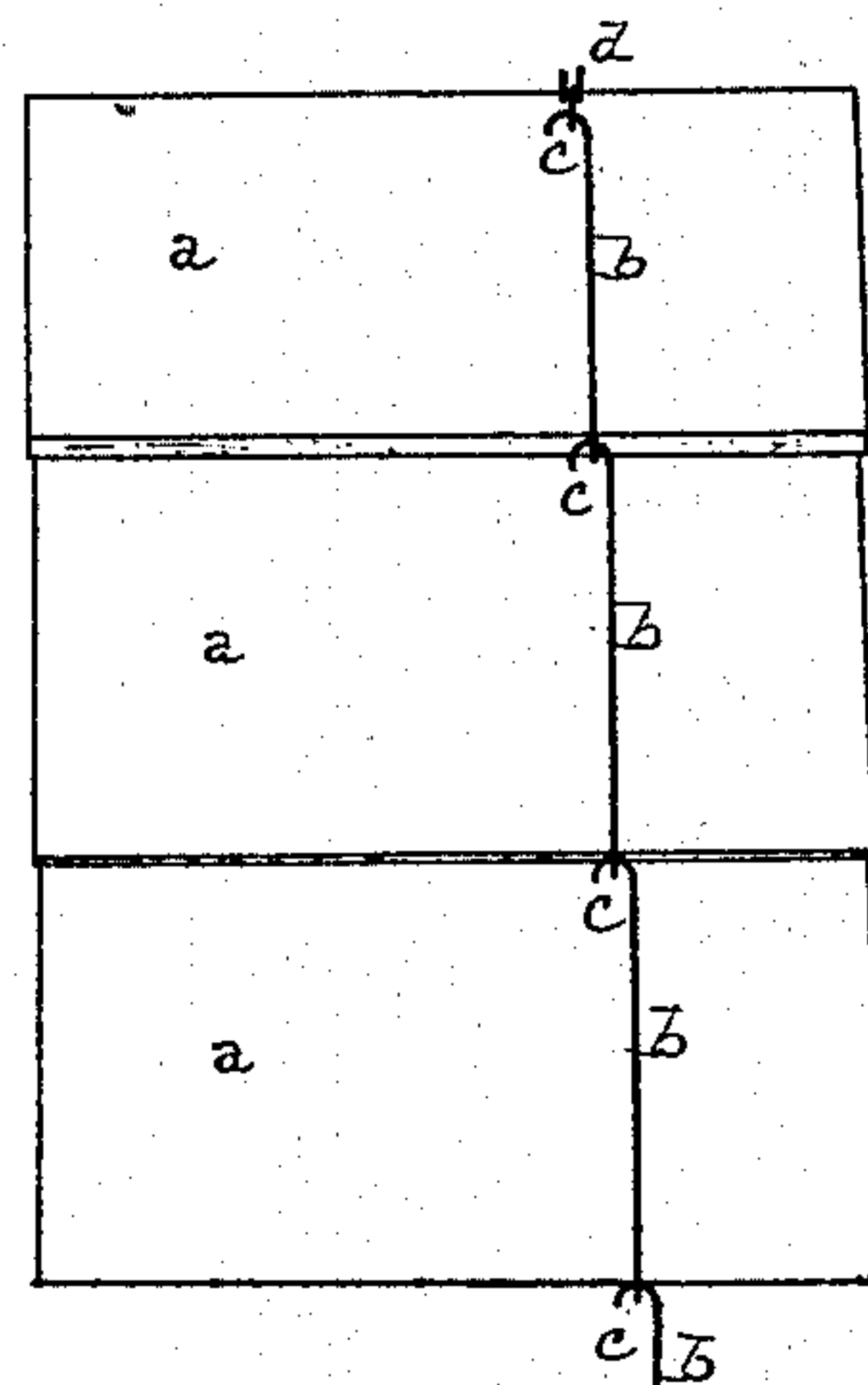


Fig. 3.

Fig. 2.



Witnesses:

*b. C. Snelling*  
*Chas. A. Cornwell*

Inventor:

*John H. Rice*

# UNITED STATES PATENT OFFICE.

JOHN H. RICE, OF HENDERSON COUNTY, ILLINOIS.

## HAY-CAP.

SPECIFICATION forming part of Letters Patent No. 416,747, dated December 10, 1889.

Application filed September 28, 1889. Serial No. 325,447. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. RICE, of the county of Henderson and State of Illinois, (whose post-office address is Keithsburg, in the county of Mercer, Illinois,) have invented a certain new and useful Portable Roof or Covering Suitable for the Protection of Ricks or Stacks of Hay, Straw, or Grain; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a portable roof or covering suitable for the protection of ricks or stacks of hay, straw, or grain, and which shall be easily set up, taken down, and moved from place to place, and shall conform itself to the shape of the object to be covered and be easily adaptable to its size.

In the annexed drawings, Figure 1 represents an end elevation of my portable roof or covering; Fig. 2, a side elevation, and Fig. 3 a view drawn in perspective.

My portable roof or covering is composed of wooden boards *a a a*, which are held in position by the metal rods *b b b*, each of which is turned at both ends into hooks *c c c* at right angles with each other. The hook at the lower end of each rod receives the lower edge of a board and also the upper hook of the rod next below. The upper hooks of the two upper rods are hooked into the links of the short chain or fastened together by the rope *d*; or these two upper rods may be fastened together by their two upper hooks being hooked into the hooks of a metal rod similar to said rods, but bent so as to fit over the comb or apex of said portable roof or covering; or said two upper rods may be made longer than the others, or the two upper boards may be narrower than the other boards, or otherwise arranged, so that said two upper rods may be hooked together by their two upper hooks. The metal rods *b b b*, (ex-

cept the two upper rods when they are fastened together by their two upper hooks, the two upper boards being no narrower than the other boards,) from the curve of one hook to the curve of the other, are shorter than the width of the boards *a a a*, in order that each board may be overlapped by the board above sufficiently to protect the hay, &c., covered by the roof from the weather. Such an arrangement of rods with hooks at either end, and chain or rope, &c., as above described, is of course necessary near either end of the boards in order to secure them in position.

It will be seen that this roof or covering will, by reason of its weight and the joints formed by the hooks at the ends of the metal rods, closely adjust itself to the form of the object covered; also, by reason of the metal rods being connected by hooks and the boards being secured in their position by said hooks, it will be seen that the roof or covering may be adjusted to any sized object by simply increasing or decreasing the number of boards and metal rods, and also that said roof or covering may be easily put up and taken down and moved from place to place. This portable roof or covering is simple in construction and can be easily and cheaply manufactured, and is effective and durable in operation.

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

1. The metal rods *b*, turned at either end into hooks *c* at right angles with each other, in connection with the boards *a*, all constructed as and for the purposes herein specified.

2. The metal rods *b*, turned at either end into hooks *c* at right angles with each other, in combination with the boards *a* and the chain *d*, all constructed as and for the purpose herein specified.

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

JOHN H. RICE.

Witnesses:

THOS. SOUSTER,  
A. J. DOUGLAS.