

(No Model.)

T. C. HILL.
ROOF FOR DRYING SHEDS.

No. 434,783.

Patented Aug. 19, 1890.

Fig. 1.

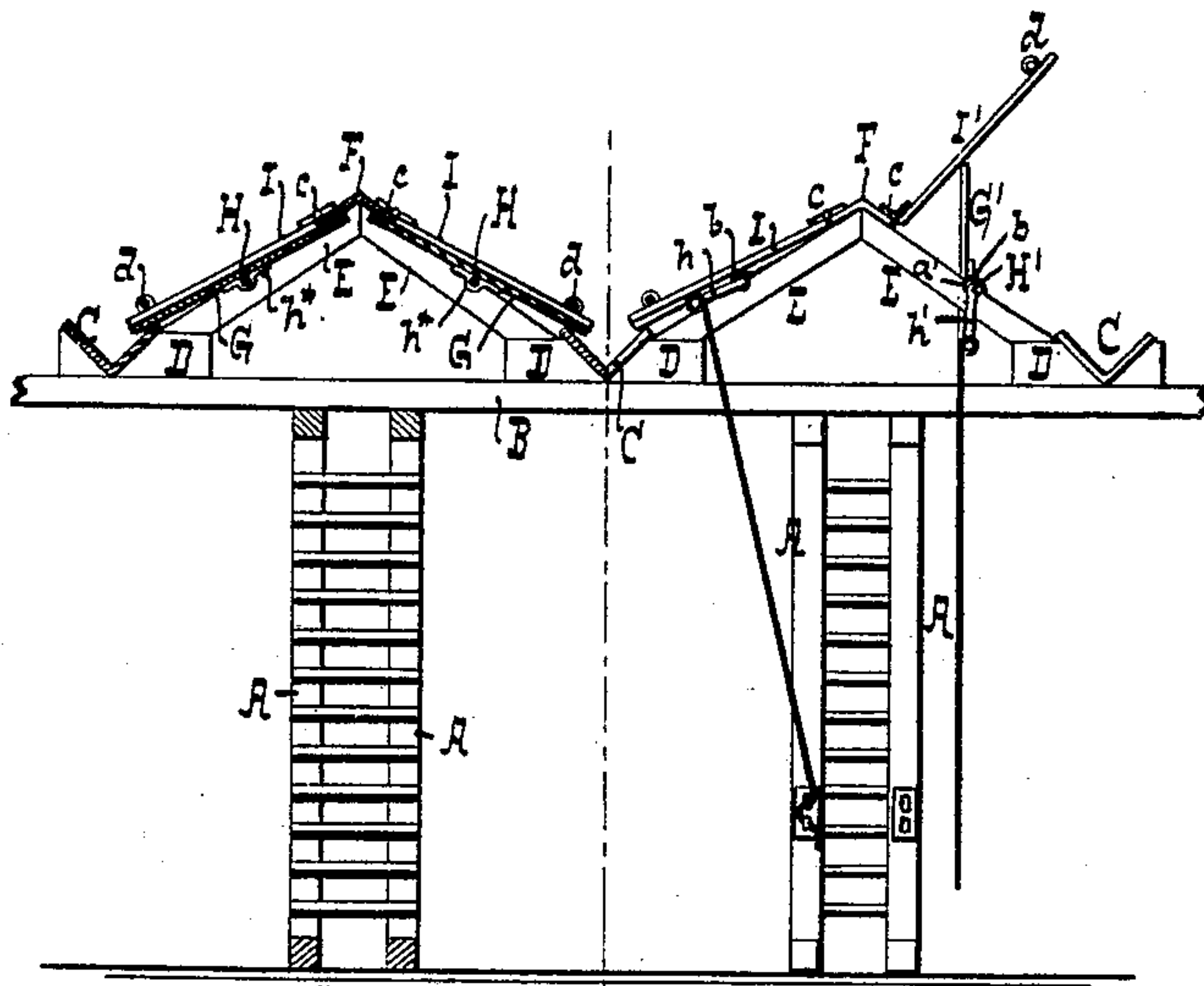
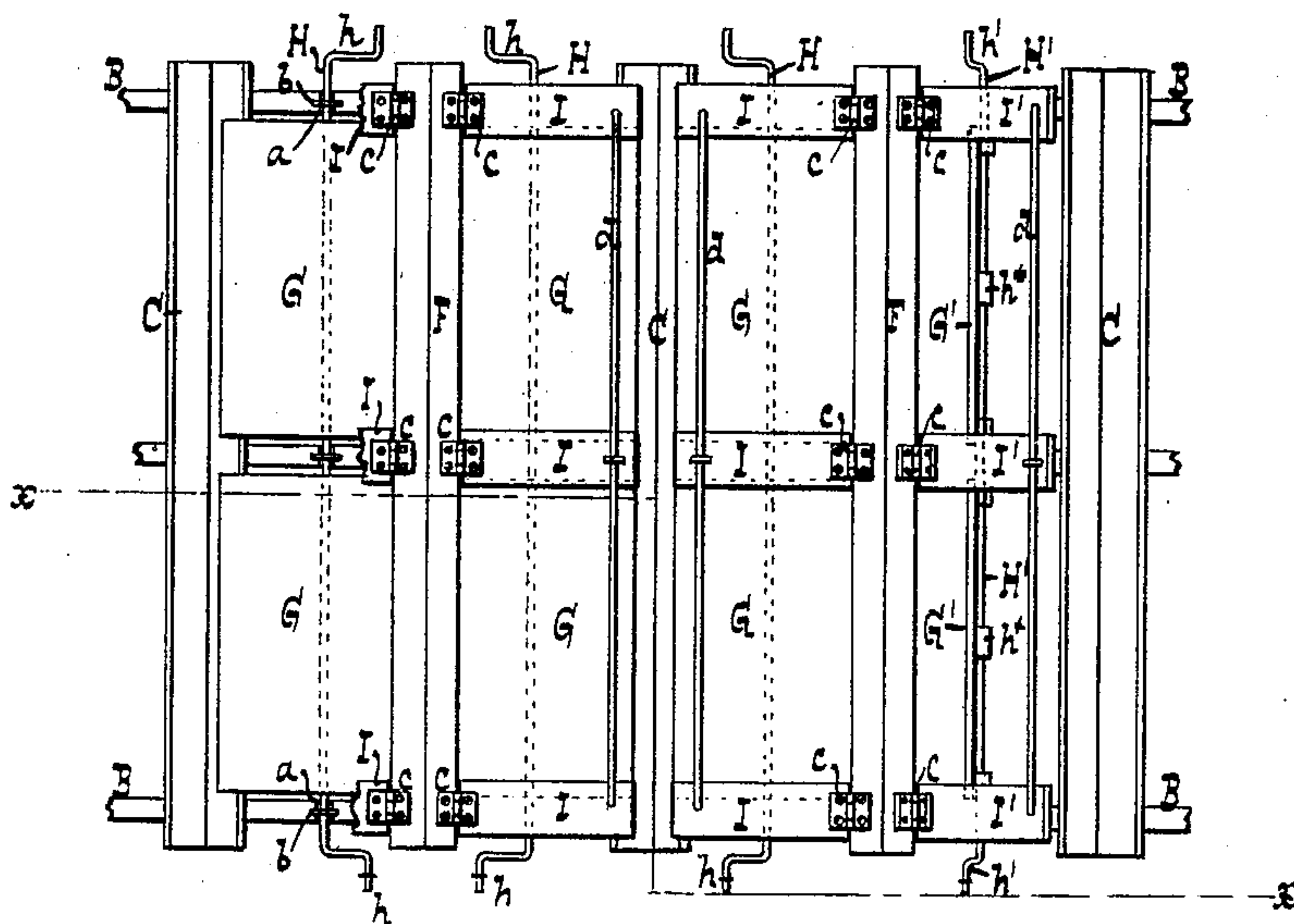


Fig. 2.



WITNESSES

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ROOF FOR DRYING-SHEDS.

SPECIFICATION forming part of Letters Patent No. 434,783, dated August 19, 1890.

Application filed December 19, 1889. Serial No. 334,312. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. HILL, a citizen of the United States, residing at Garnerville, in the county of Rockland and State of New York, have invented new and useful Improvements in Roofs for Drying-Yards, of which the following is a specification.

This invention relates to a novel construction of the roof for yards in which bricks or other articles are dried, said construction being pointed out in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 represents a transverse vertical section in the plane xx , Fig. 2. Fig. 2 is a plan or top view.

In the drawings, the letters A A designate posts, which are firmly secured in the ground or in a suitable base. On these posts are fastened the tie-beams B B, which support the gutters C C and also the bolsters D, on which rest the rafters E E. On these rafters is fastened the saddle F, which extends throughout the entire length of the roof, and the spaces between the rafters can be opened or closed by means of shutters G G', and in the example illustrated in the drawings the shutters G are closed and the shutters G' open. Said shutters are hung on rods or shafts H H', which are connected to the shutters, so that by means of one shaft a large number of shutters can be opened or closed simultaneously. Said shafts have their bearings in cavities $a a'$, formed in the rafters E E, and they are retained in these cavities by straps or wires b . The shutters are connected to the shafts by straps h , which are preferably in such a position that the shutters will close by their inherent gravity. When the shutters are closed they extend beneath the lower edges of the saddle F and beyond the inner edges of the gutters C C, so that the rain when it strikes the saddle, will be conducted over the shutters into the gutters. The spaces between the adjoining shutters are covered by slats I I', which are connected to the saddle by hinge-joints c , and to each other by rods d . These rods extend over the shutters G G, and the slats I I' overlap the edges of the adjoining shutters and extend

over the inner edges of the gutters C C, so that the rain-water which strikes the roof will be conducted into the gutters. 55

The shafts H H are provided with cranks $h h'$ or other equivalent means, so that they can be readily turned in their bearings, and if one of said shafts—for instance, the shaft H'—is turned, all the shutters G' will be raised to the position shown in the drawings, and at the same time the slats I' are carried up by the shutters, so that the rays of the sun have free access to the interior of the shed. The cranks $h h'$ may be manipulated by means of ropes, as indicated in the drawings. When the shutters G' are closed the slats I' descend by their own gravity, and this closing operation can be performed very rapidly, so that in case of a sudden shower the articles in the shed will not be liable to become injured or materially moistened by the rain. 60 65 70

What I claim as new, and desire to secure by Letters Patent, is— 75

1. A roof for drying-yards, consisting of uprights A, the horizontal tie-beams B, supported by the uprights, the gutters C, the inclined rafters E between the gutters, the saddle F, extending longitudinally over the adjoining ends of the rafters, the parallel shafts H H', supported by the rafters, and the shutters G G', located between the rafters and secured intermediate their ends to the shafts and having the upper ends bearing against and underlying the saddle and their lower ends bearing against and overlying the innermost edges of the gutters, substantially as described. 80 85

2. The combination, with the uprights A, the tie-beams B, the rafters E, the gutters C, and the saddle F, of shutters G G', situated between the rafters and mounted upon shafts H H', and slats I I', hinged to the saddle above the rafters and extending over the edges of the shutters and over the inner edges of the gutters C, substantially as described. 90 95

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

THOS. C. HILL.

Witnesses:

J. VAN SANTVOORD,
E. F. KASTENHUBER.