

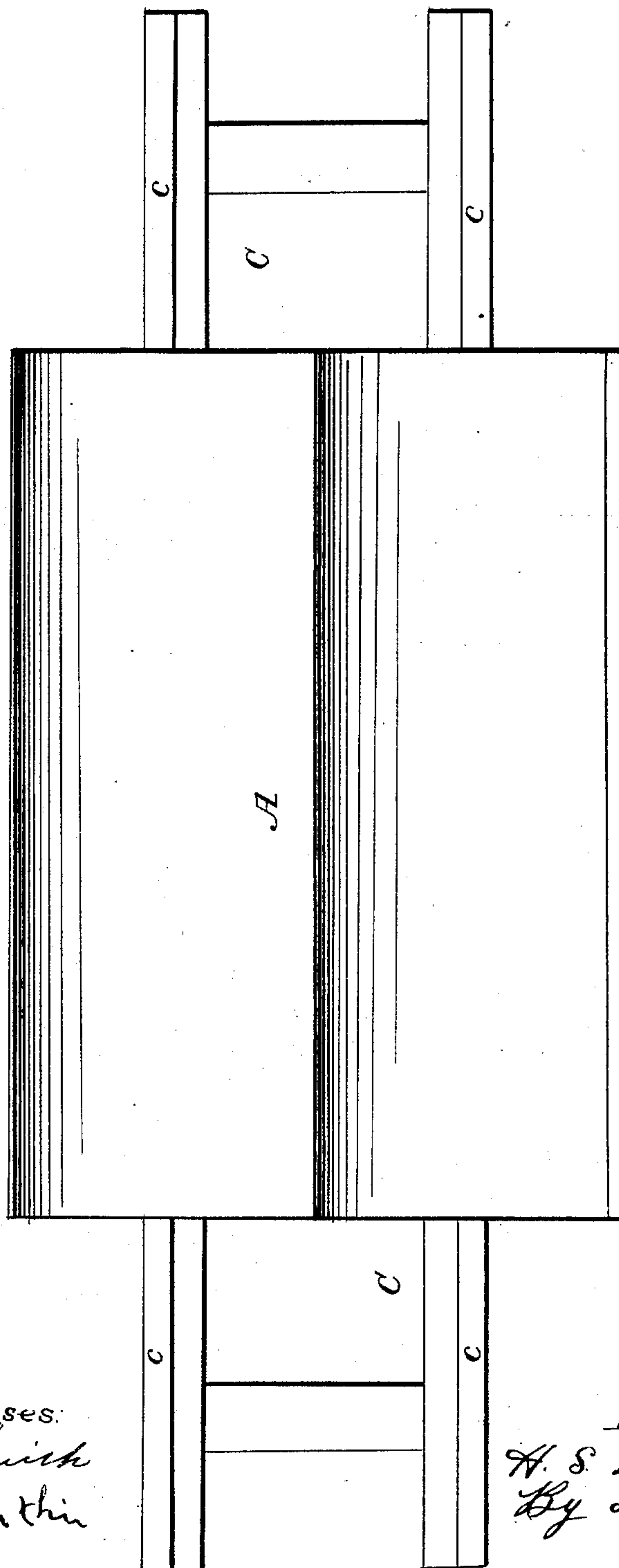
A. S. KENNEDY.

Smoke House.

No. 45,415.

Patented Dec. 13, 1864.

Fig. 1.



Witnesses:
C. D. Smith
J. Scherthin

Inventor.
A. S. Kennedy
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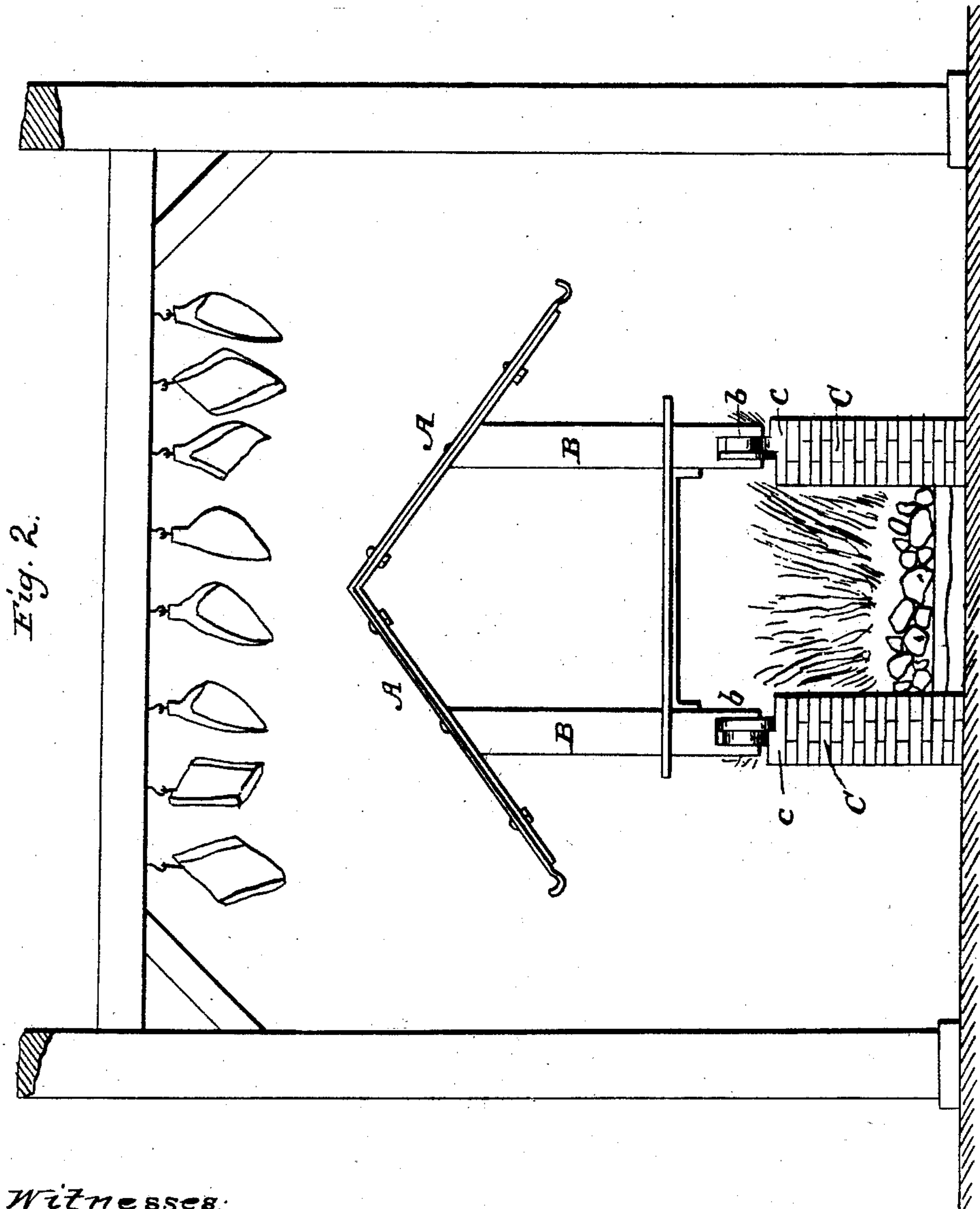
A. S. KENNEDY.

3 Sheets--Sheet 2.

Smoke House.

No. 45,415.

Patented Dec. 13, 1864.



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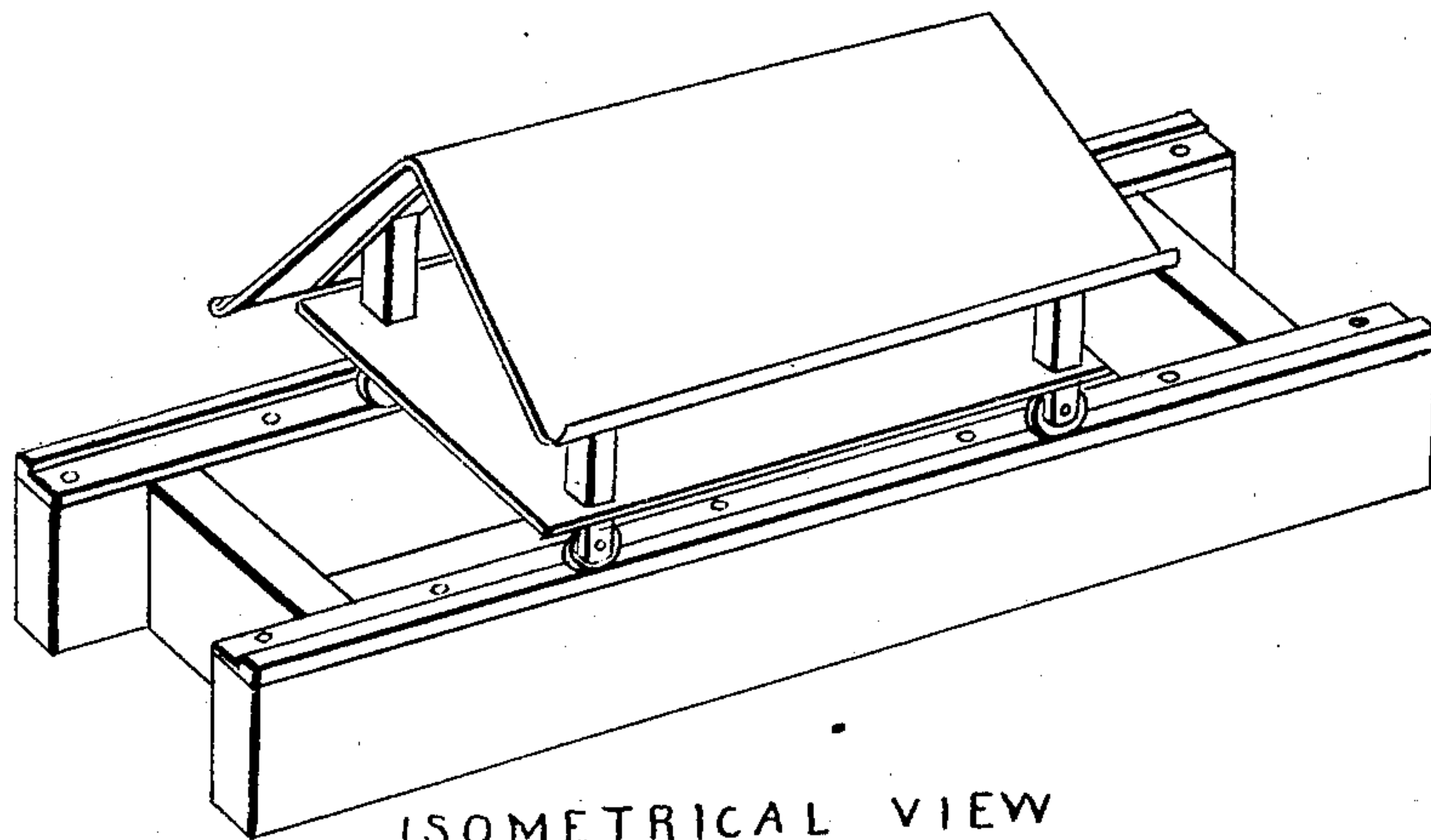
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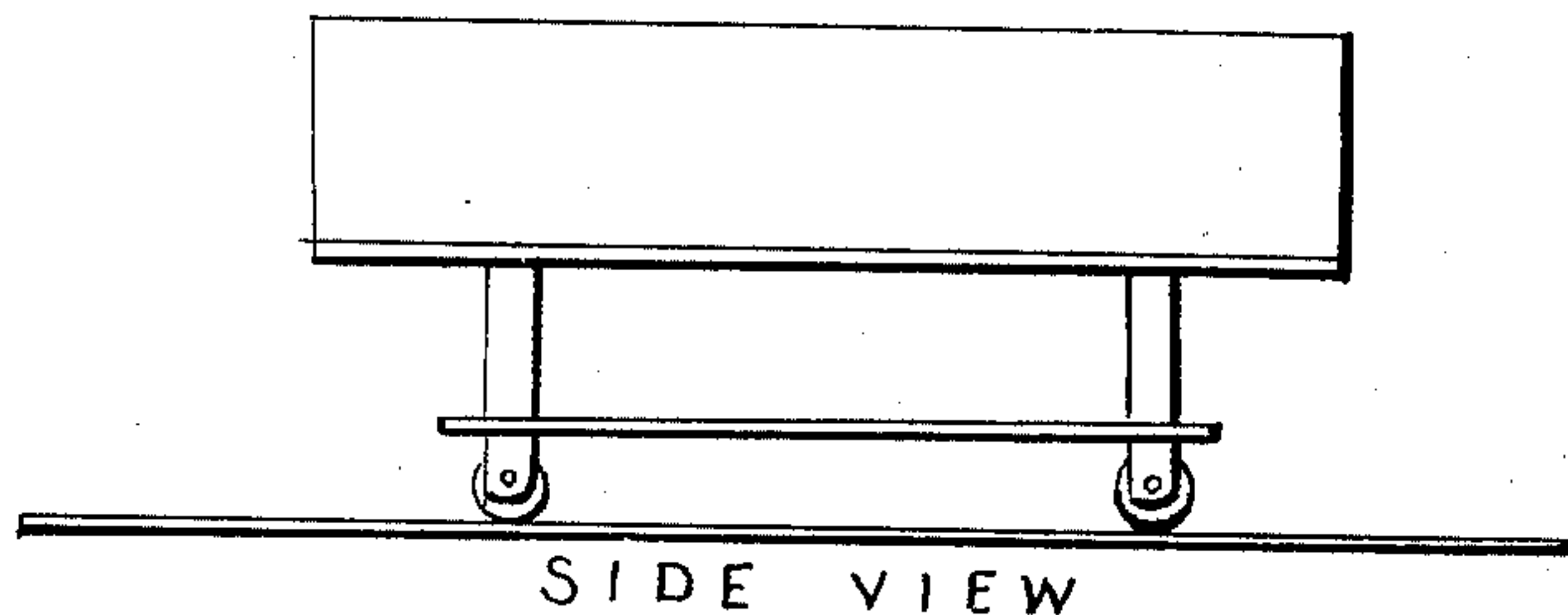
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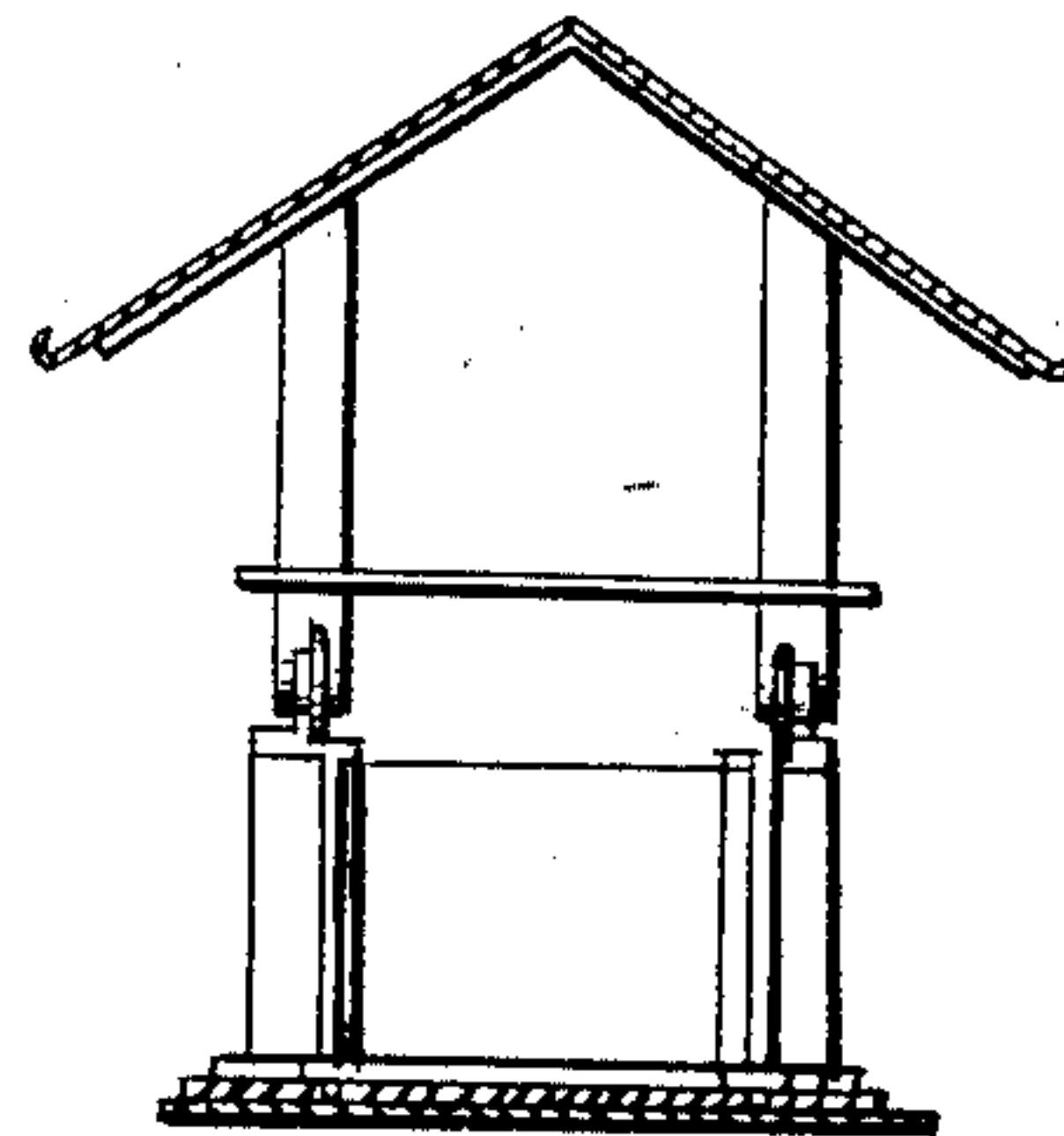
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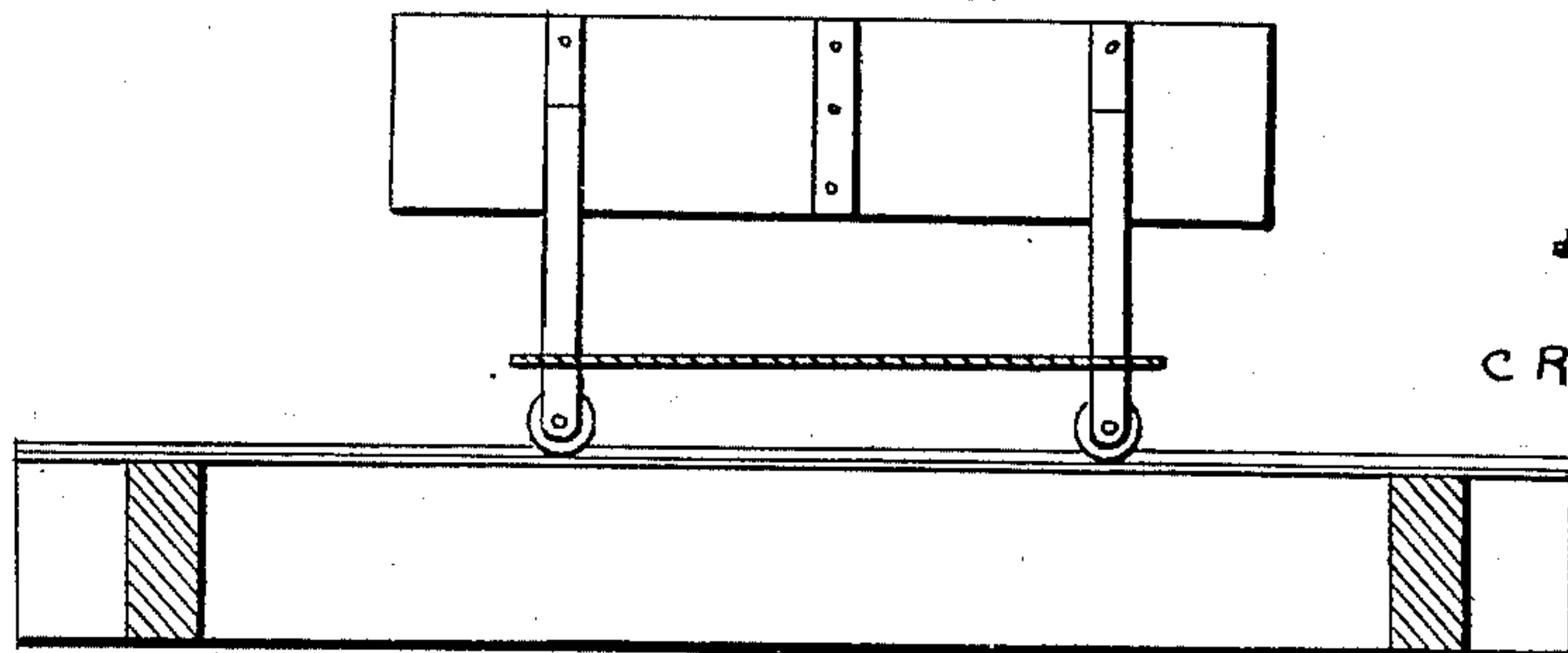
ISOMETRICAL VIEW



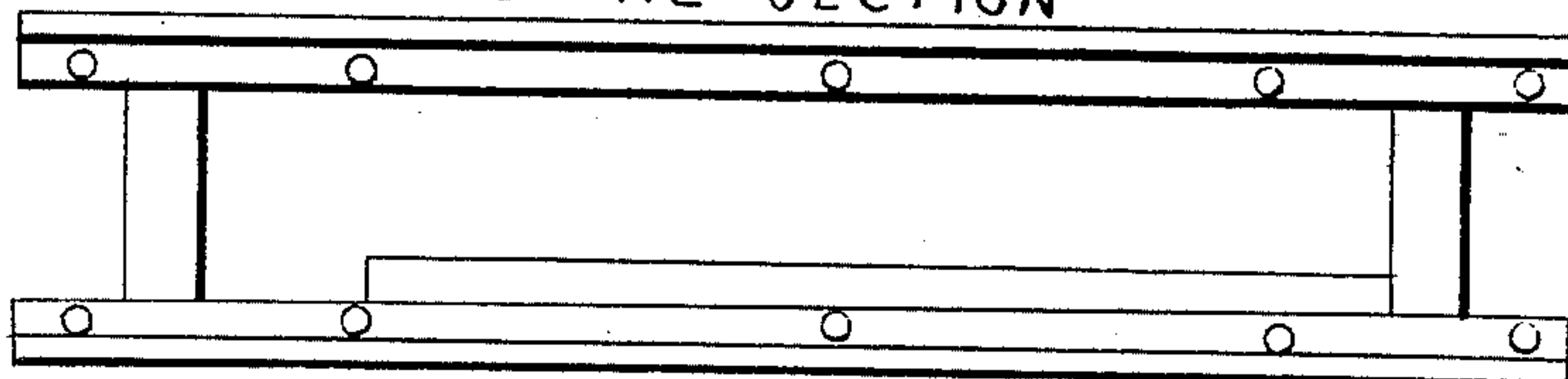
SIDE VIEW



CROSS SECTION



LONGITUDINAL SECTION



Witnesses:
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Inventor:
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UNITED STATES PATENT OFFICE.

ADAM S. KENNEDY, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN SMOKE-HOUSES.

Specification forming part of Letters Patent No. 45,415, dated December 13, 1864.

To all whom it may concern :

Be it known that I, ADAM S. KENNEDY, of the city and county of St. Louis, in the State of Missouri, have invented a new and Improved Apparatus for Preventing Fire in Smoke-Houses; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan of my improved apparatus, and Fig. 2 is an end view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

In smoke-houses destructive fires have hitherto been frequently caused by the dropping into the fire of the grease or melted fat which is eliminated from the suspended meat.

My invention consists in the employment, in a smoke or drying house of any kind, of a movable shield placed over the fire, so as to entirely cover the same, and adapted to receive the grease as it drops from the meat, and conduct it off out of reach of the fire, as will be hereinafter fully explained.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe its construction and operation.

A represents a roof or shield, made of metal or other suitable non-combustible material and mounted upon supports B, the lower ends of which may carry wheels *b*, in order that the apparatus may be readily moved about to suit the locality of the fire, which can be built in any part of a trough, C, in the floor of the

smoke-house, or directly upon the floor of the latter, or in a fire-box suspended beneath the horizontal plate C, the latter being secured to the supports B at a suitable point between the shield A and the fire, to prevent said shield from becoming heated. When the trough C is employed, rails or ways *c c* are provided at the sides thereof for the wheels *b* to run on. The shield A slants or converge toward the top, and at each side its edges are turned up to form grooves, into which flows all the grease or melted fat on the surface of the shield, and from which said grease is deposited into receptacles provided for the purpose, or at points where it will be entirely free from danger of taking fire.

The simple character of this invention renders a more extended description unnecessary.

The apparatus can be constructed cheaply, and its use will effectually prevent fire in smoke houses from the cause specified.

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

A movable shield, A, of any form, to be interposed between the fire in a smoke-house and the meat suspended above the fire, for the purpose of preventing the grease from becoming ignited, substantially as set forth.

The above specification of my improved apparatus for preventing fire in smoke-houses signed this 10th day of October, 1864.

ADAM S. KENNEDY.

Witnesses:

OCTAVIUS KNIGHT,
CHARLES D. SMITH.