

(No Model.)

S. B. SUTTON.
GATE.

No. 551,739.

Patented Dec. 17, 1895.

FIG. 1.

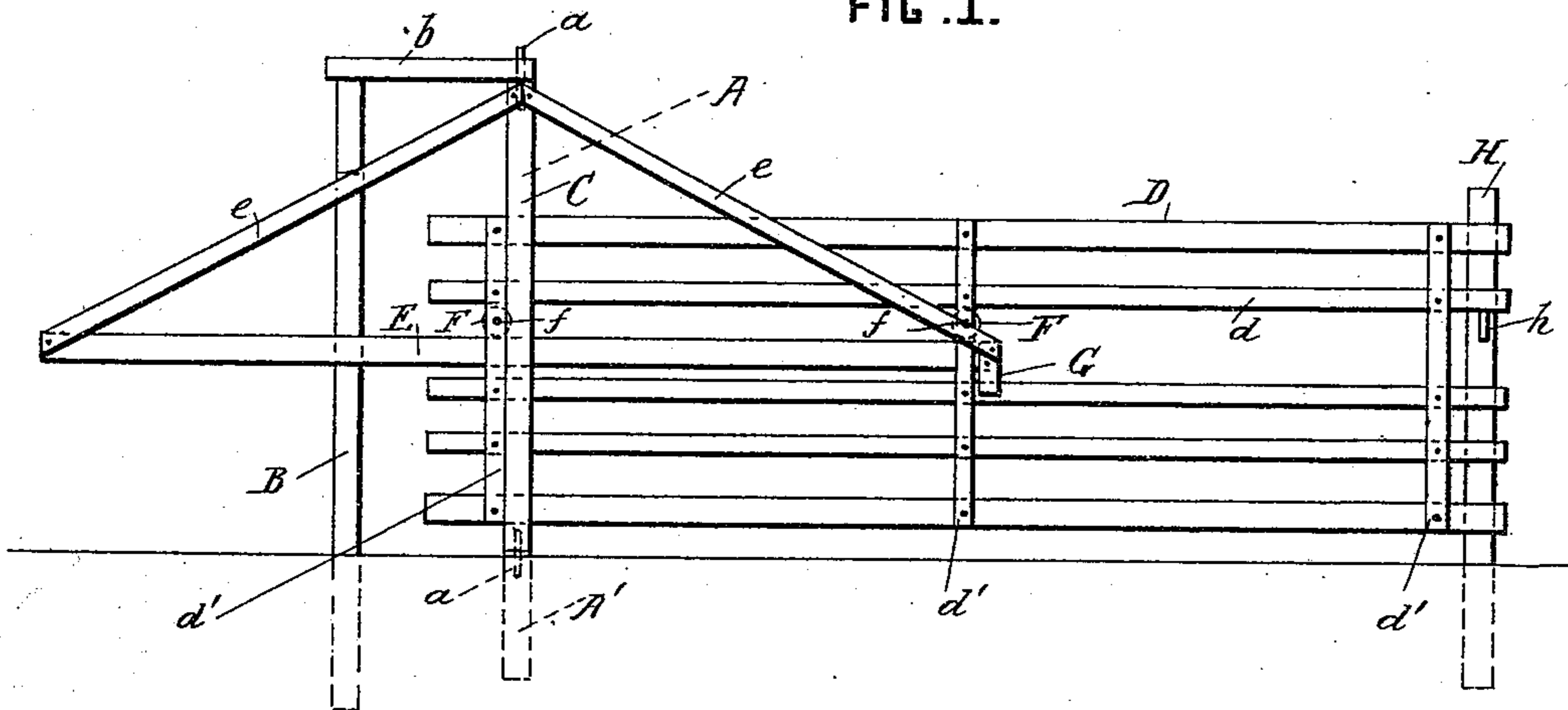


FIG. 2.

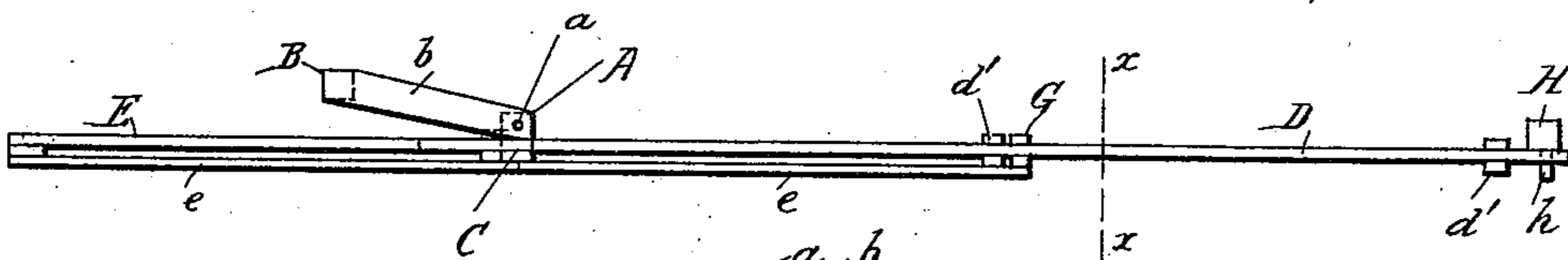
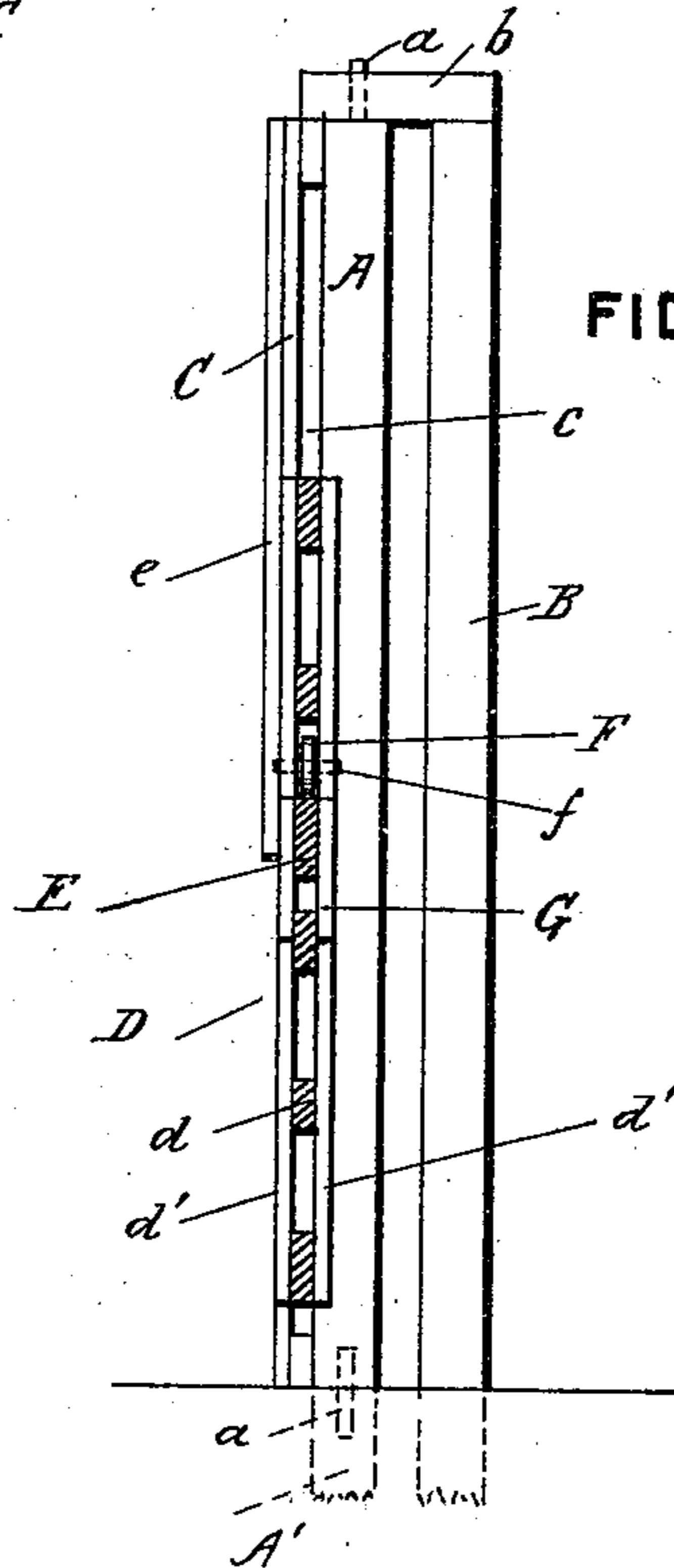


FIG. 3.



Witnesses

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SANDERS B. SUTTON, OF NORTH BALTIMORE, OHIO, ASSIGNOR TO DANIEL W. REDDIN, OF SAME PLACE.

GATE.

SPECIFICATION forming part of Letters Patent No. 551,739, dated December 17, 1895.

Application filed April 1, 1895. Serial No. 544,016. (No model.)

To all whom it may concern:

Be it known that I, SANDERS B. SUTTON, a citizen of the United States, residing at North Baltimore, in the county of Wood and State of Ohio, have invented certain new and useful Improvements in Gates; 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.

This invention relates to sliding and swinging gates; and it consists in the novel construction and combination of the parts herein-after fully described and claimed.

In the drawings, Figure 1 is a front view of the gate. Fig. 2 is a plan view of the same, and Fig. 3 is a cross-section taken on the line $x x$ in Fig. 2.

A is a crane-post provided with pivots a at its top and bottom. The bottom pivot a revolves in a step A' driven into the ground, and the top pivot a revolves in a cross-piece b carried by the post B, which is driven into the ground a short distance from the step A' .

C is a guide-board secured to one side of the post A at the top and bottom, a space c being formed between the said guide-board and the post for the horizontal rails of the gate to slide in.

D is the gate-panel which is formed of a series of horizontal rails d coupled together by vertical uprights d' on each side.

E is the crane-track which passes through the space c , and e are diagonal braces secured to the ends of the crane-track and to the top part of the crane-post.

F are rollers journaled on pins f between the middle and the left-hand uprights of the gate-panel. These rollers rest upon the crane-track and permit the gate-panel to be slid back and forth.

G are guides secured to the right-hand end of the crane-track and which engage with one of the rails of the gate-panel. The middle and the left-hand uprights of the gate-panel come against the crane-post at the ends of the

travel of the gate-panel and prevent it from being slid too far in either direction.

H is a stationary gate-post secured in the ground and provided with a projection h for supporting the right-hand end of the gate-panel when closed, so that the weight of the gate-panel when fully open or closed does not tend to distort the supporting-crane.

The gate-panel is slid back across one-half of the roadway, and if the whole width of the roadway is to be unobstructed the gate-panel and its supporting-crane are then turned upon the pivots a .

What I claim is—

1. In a sliding and swinging gate, the combination, with the crane post, the horizontal crane track, and the diagonal braces supporting the ends of the track; of a gate panel provided with rollers carried by its middle and rear end portions and running on the said crane track, and a stationary gate post provided with a projection supporting the free front end of the gate panel when closed, whereby the crane track is freed from bending strain, substantially as set forth.

2. In a gate, the combination, with the pivoted crane post provided with a guide board, the horizontal crane track, and the diagonal braces supporting the ends of the track; of a gate panel consisting of horizontal rails and vertical uprights at the middle and ends of the said rails, said rails being slidable in the space between the said crane post and guide board; rollers carried by the middle upright and one of the end uprights and running on the said crane track; and a gate post provided with a projection supporting the free end of the gate panel when closed, whereby the crane track is freed from bending strain, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

SANDERS B. SUTTON.

Witnesses:

P. W. CONNELL,

GEO. W. CONNELL.