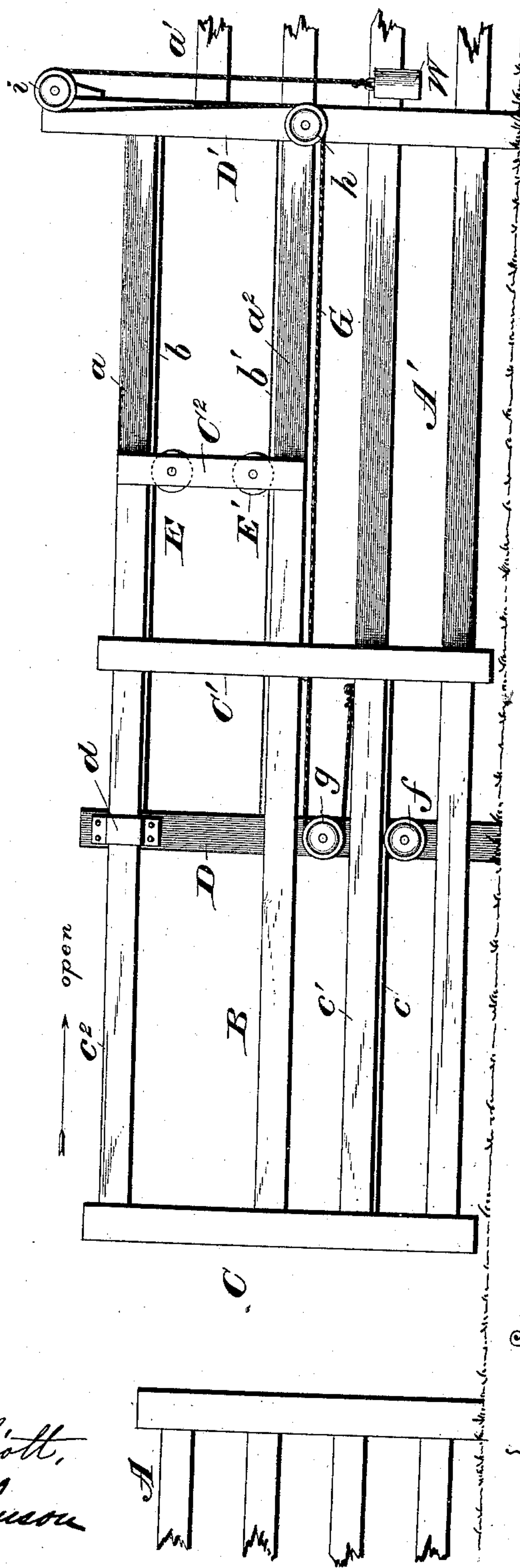


(No Model.)

S. S. WHITE.
GATE.

No. 468,712.

Patented Feb. 9, 1892.



Witnesses
L. S. Elliott.
C. M. Johnson

Samuel S. White.
Inventor
by *[Signature]*
Attorney

UNITED STATES PATENT OFFICE.

SAMUEL S. WHITE, OF IOLA, KANSAS.

GATE.

SPECIFICATION forming part of Letters Patent No. 468,712, dated February 9, 1892.

Application filed May 14, 1891. Serial No. 392,723. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. WHITE, a citizen of the United States of America, residing at Iola, in the county of Allen and State of Kansas, 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 it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in sliding gates.

The object of the invention is to provide a gate with means for holding the same normally closed; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claim.

In the accompanying drawing, forming part of this specification, the figure is a side view of a gate constructed in accordance with my invention.

A and A' refer to the end sections of the fence, between which is the gateway, said gateway being closed by the sliding gate B, made up of vertical battens C and C', and a short vertical batten C², which support the horizontal rails of the gate. The end section A' of the fence has a horizontal rail a, located at a greater height than the top rail a' of the fence.

The posts D and D' are connected to each other not only by the horizontal rails, as shown, but also by bars b and b', one of which is located immediately beneath the rail a and the other immediately above the rail a'. These bars form guides or tracks for the grooved rollers E and E', which are bolted to the short vertical batten of the gate. The gate is also provided with a guide bar or track c, located immediately beneath the horizontal rail c', and the gate is further supported or guided by a loop d, attached near the upper end of the post D, through which the horizontal rail c² at the top of the gate passes.

The post D is provided with a grooved roller

f, upon which the bar c bears, and above said roller is journaled a pulley g. Pulleys h and i are journaled to the post D', and over these pulleys g, h, and i passes a flexible connection G, one end of which carries a weight while the opposite end is made fast to the rear portion of the gate. It will be observed that by this construction the gate is held securely in place against lateral movement or tilting, and that it may be easily slid backward and forward to open and close the same. It will also be noted that the normal tendency of the weight is to keep the gate closed.

I am aware that prior to my invention it has been proposed to provide sliding gates with supporting-rollers; and I am also aware that it is not broadly new to provide a sliding gate with grooved supporting-rollers which travel upon rounded bars or tracks to provide a means for holding the gate movably in place; also, that a rope and weight have been used to hold such a sliding gate closed; but

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

In a gate, the combination of a section of fence supported between posts D and D', horizontal rails having tracks b and b', pulleys g, h, and i, attached to the posts D and D', a roller f, attached near the base of the post D, a bail d at the upper end thereof, the gate comprising vertical battens C, C', and C² and horizontal rails, the batten C² carrying grooved rollers E and E', a track c, carried by the gate and adapted to engage with the roller f, and a rope or flexible connection secured to the gate adjacent to the batten C', said rope passing from its connection with the gate around the pulley g to the pulley h and from there to the pulley i, beyond which it carries a weight, the parts being organized substantially as shown, and for the purpose set forth.

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

SAMUEL S. WHITE.

Witnesses.

H. S. VANDEGRIFT,
W. A. CUMMINGS.