

E. A. SHUGART.
GATES.

No. 179,617.

Patented July 4, 1876.

Fig. 1

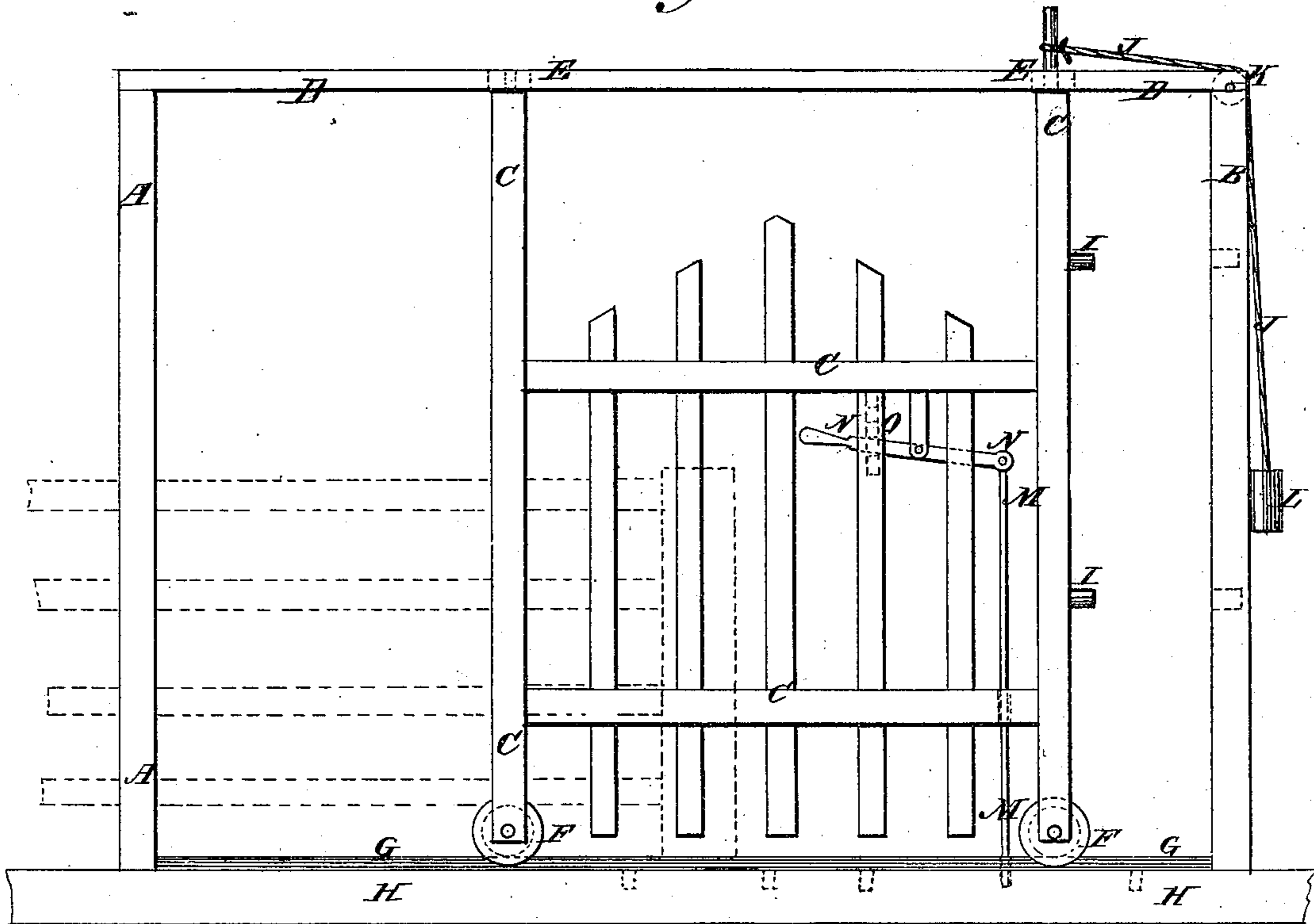
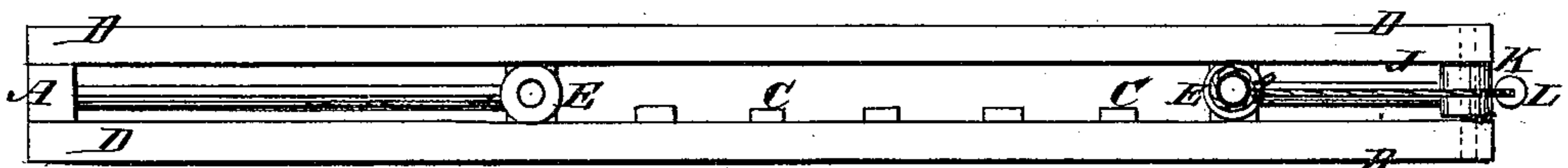


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD A. SHUGART, OF ATHENS, TENNESSEE.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. **179,617**, dated July 4, 1876; application filed April 25, 1876.

To all whom it may concern:

Be it known that I, EDWARD A. SHUGART, of Athens, in the county of McMinn and State of Tennessee, have invented a new and Improved Gate, of which the following is a specification:

Figure 1 is a side view of my improved gate. Fig. 2 is a top view of the same.

The object of this invention is to furnish an improved gate, which shall be so constructed that it may be easily opened and closed, may be secured in place when opened to any desired extent, cannot be raised or pushed open by stock, and will shut itself when released.

A B are two posts placed at such a distance apart that the gate C may be fully opened and fully closed while moving in line between them. The upper ends of the posts A B are connected by two parallel bars, D, between which the upper ends of the end bars of the gate C project, and along which rolls friction-pulley E, pivoted to the upper ends of the said end bars. To the lower ends of the end bars of the gate C are pivoted grooved pulleys or wheels F, which roll along the rail or track G attached to the sill H, and extending from the post A to the post B. The gate C when opened moves back along the side of a section of fence, at the side of which the rear post A is set, and which extends toward the front post B so far that there will be no gap at the rear end of the gate when fully closed. To the forward end bar of the gate C are attached pins I, which, when the gate is closed, enter holes in the inner side of the front post B, and

thus prevent the gate from being raised by stock. To the upper end of the front bar of the gate C is attached the end of a rope, J, which passes over a pulley, K, which is pivoted to and between the ends of the bars D directly over the upper end of the front post B. To the other end of the rope J is attached a weight, L, large enough to draw the gate shut when opened and released. M is a rod, which passes down through a guide-hole in the bottom bar of the gate, and enters one or another of the holes in the sill H to fasten the gate in place when closed, and when opened to any desired extent. To the upper end of the rod M is pivoted the end of a lever, N, which is pivoted to the gate C, or to a support attached to said gate, so that by operating the lever N the rod M may be raised and lowered, as may be desired. The free end of the lever N moves along a notched or catch bar, O, attached to the gate C to hold the lever N in place when adjusted.

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

An improved sliding gate, formed by the combination with each other of the posts A B, the parallel top bars D, the track G, the sliding panel C, and the closing and latching devices, substantially as described.

EDWARD A. SHUGART.

Witnesses:

THOS. A. CLEAGS,
WM. H. BALLOU.