

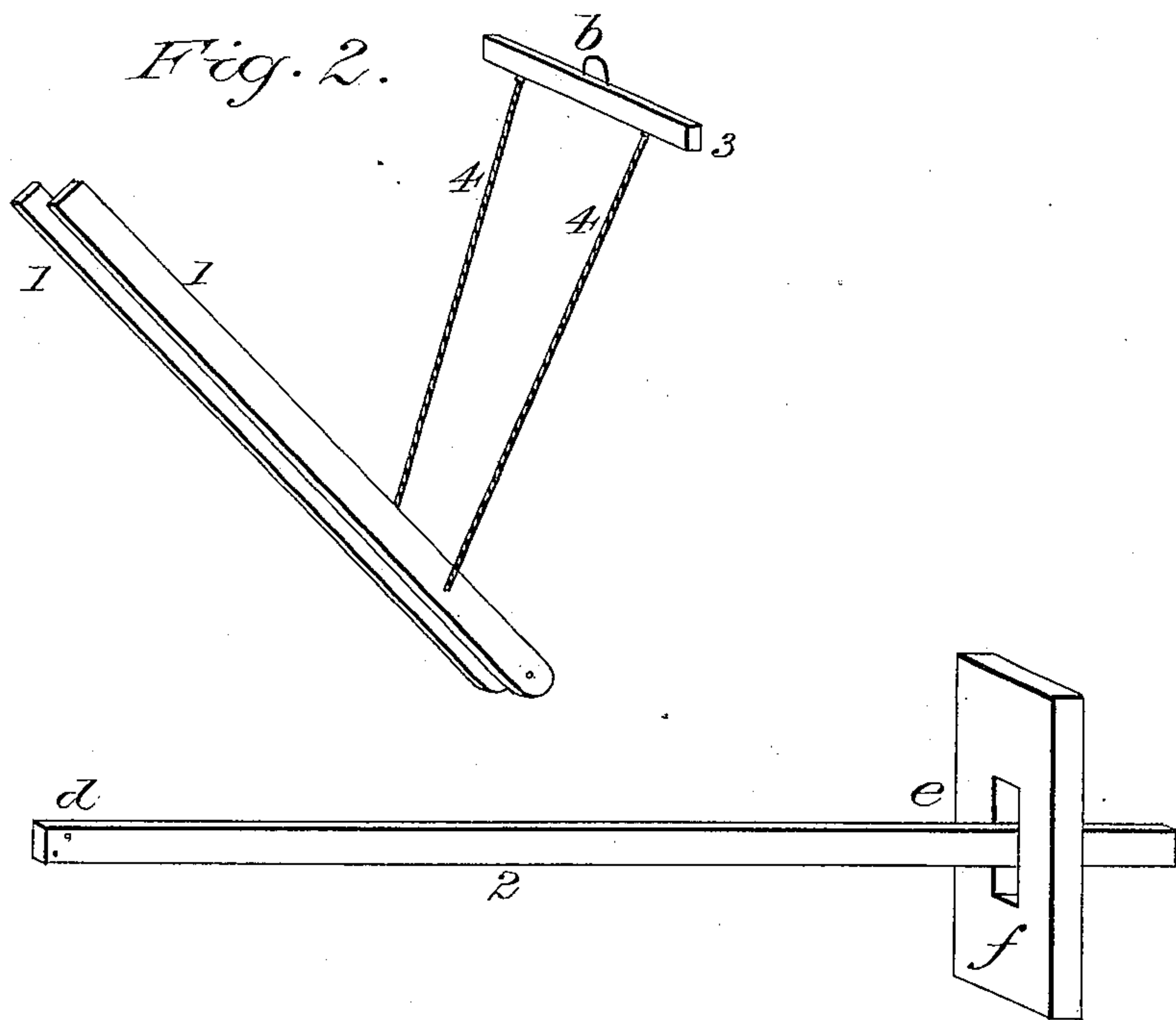
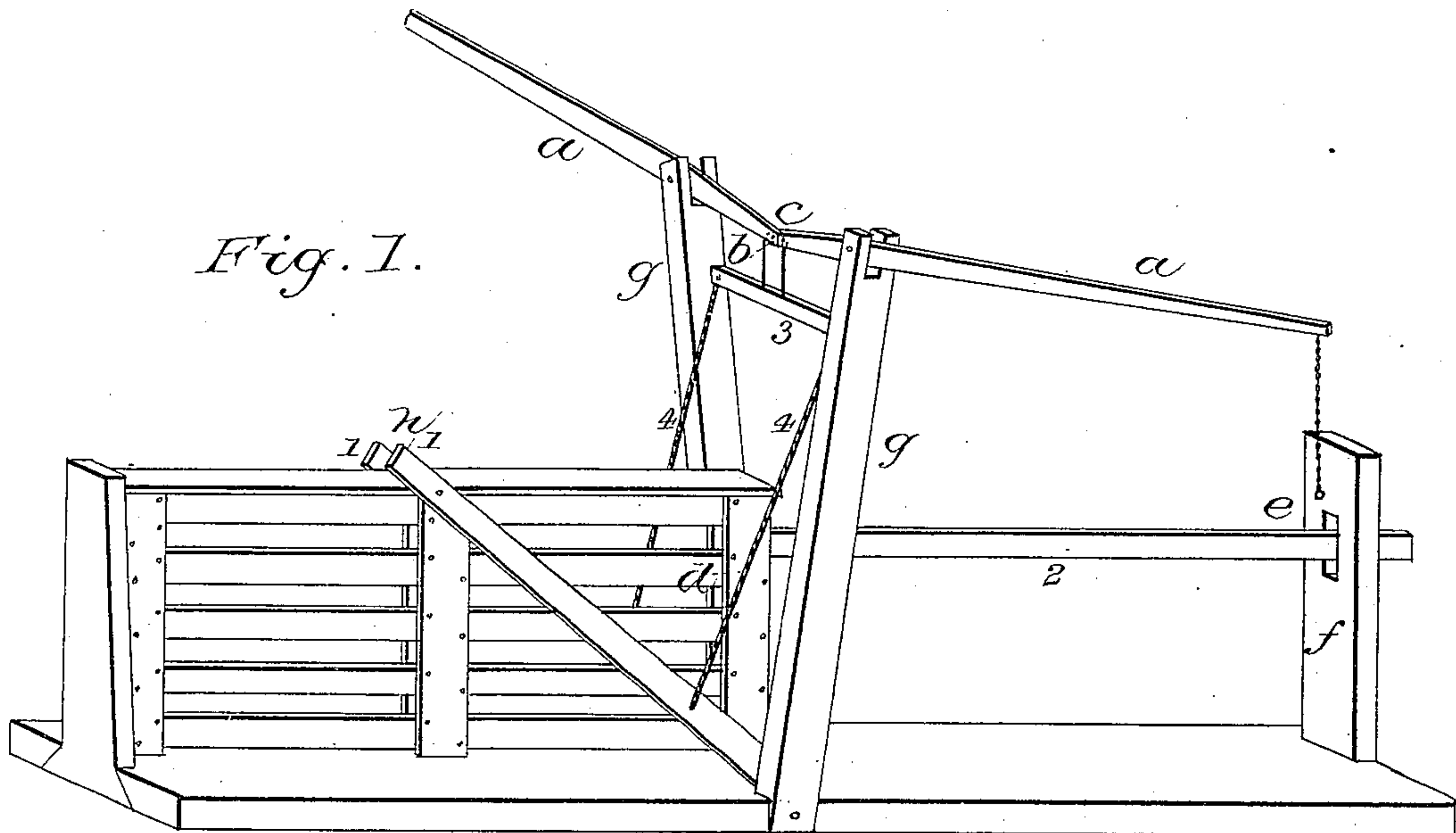
(No Model.)

E. E. BEARD.

GATE.

No. 246,590.

Patented Sept. 6, 1881.



Witnesses:

A. Y. Mellow
C. M. Osborn

Inventor:

Elmer E. Beard

UNITED STATES PATENT OFFICE.

ELMER E. BEARD, OF PENN, MICHIGAN.

GATE.

SPECIFICATION forming part of Letters Patent No. 246,590, dated September 6, 1881.

Application filed December 23, 1880. (No model.)

To all whom it may concern:

Be it known that I, ELMER E. BEARD, of Penn, Cass county, Michigan, have invented a new and useful Improvement in Gates, which
5 improvement is fully set forth in the accompanying drawings and following specification.

My invention is an improvement in that class of gates which are supported by parallel pivoted bars and operated by shifting-levers, so
10 that in being opened or closed they move in a vertical plane and in the arc of a circle.

My improvement consists in the use of but one pair of parallel lifting and supporting bars, 1 1, Fig. 1, and one sliding guiding-bar, 2, by
15 which the gate is supported, and evener 3, attached to lifting-bars 1 1 by rods 4 4 and pivoted to levers *a a* by staple *b*, which engages the bolt *c*, by which arrangement the gate is operated.

20 Figure 1 is a perspective view of the gate closed. Fig. 2 is a perspective view of some of the details.

The gate is constructed in the ordinary manner, with the addition of the bar 2, which is
25 firmly bolted to the gate at *d* and passes loosely through mortise *e* in heel-post *f*.

The gate is operated by means of power applied to the outer end of either of the levers *a a*, which are pivoted to the posts *g g*. By the use of the evener 3 the power thus applied to
30 either of the shifting-levers *a a* is applied equally to each of the supporting-bars 1 1, which are pivoted at the base to the posts *g g* and to the top bar of the gate by the bolt *h*, thus raising the gate in a vertical plane to the highest point
35 in the arc which its motion describes, at which point the applied power is relaxed and the weight of the gate is sufficient to complete the motion necessary to close it or open it, as the case may be.

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

The combination, with the gate, of the guiding-bar 2, slotted post *e*, lifting-bars 1, rods 4, 45 evener 3, and pivoted lever *a*, attached centrally to the said lever, substantially as and for the purpose described.

ELMER E. BEARD.

Witnesses:

H. S. CHAPMAN,
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