

(No Model.)

D. W. McKINNON.
END GATE FASTENING.

No. 322,192.

Patented July 14, 1885.

Fig. 1.

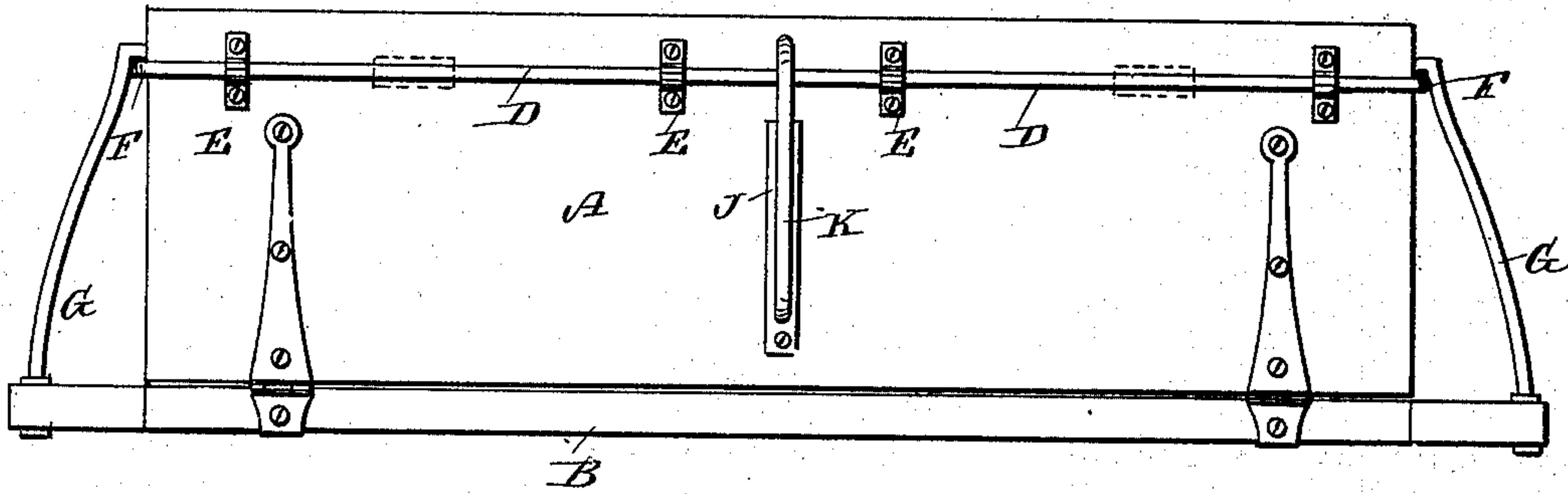


Fig. 2.

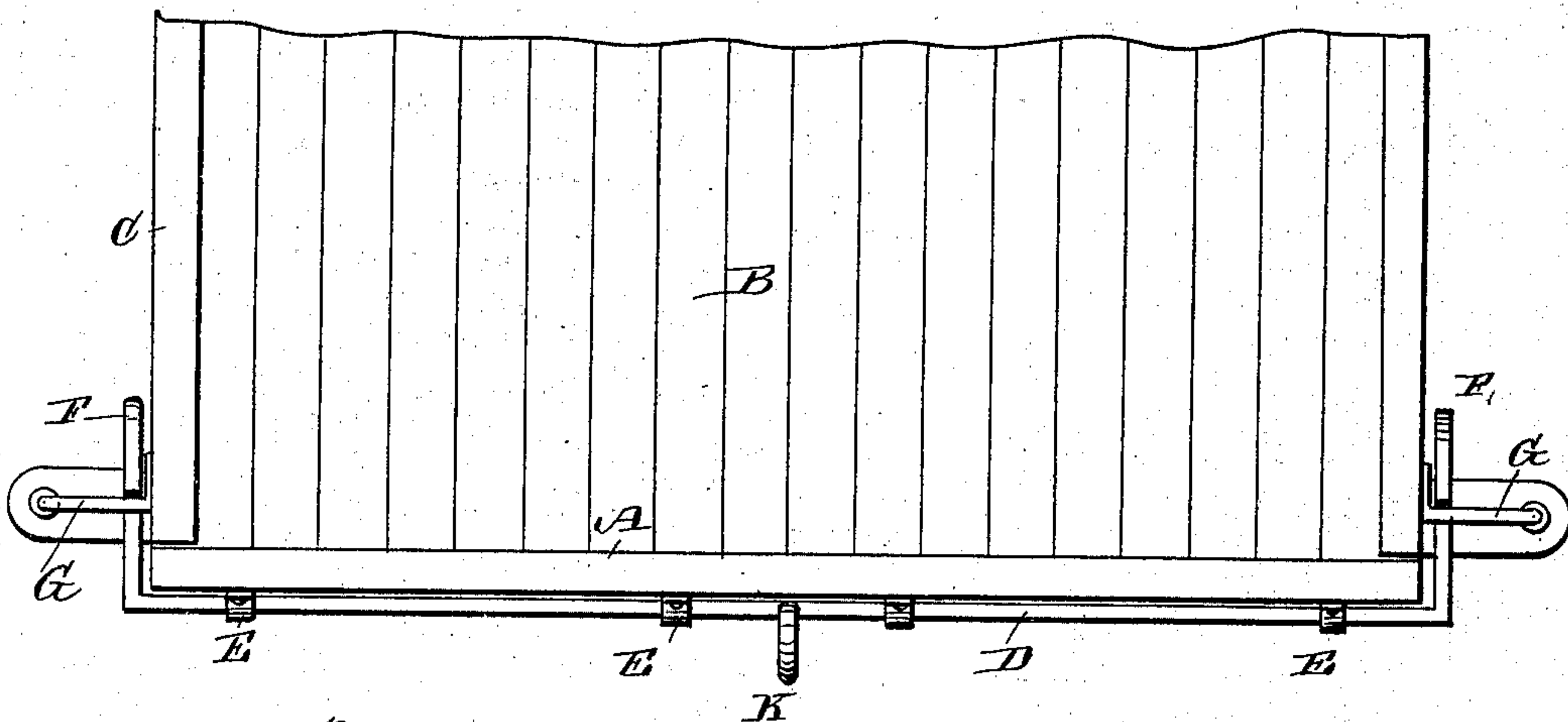


Fig. 3.

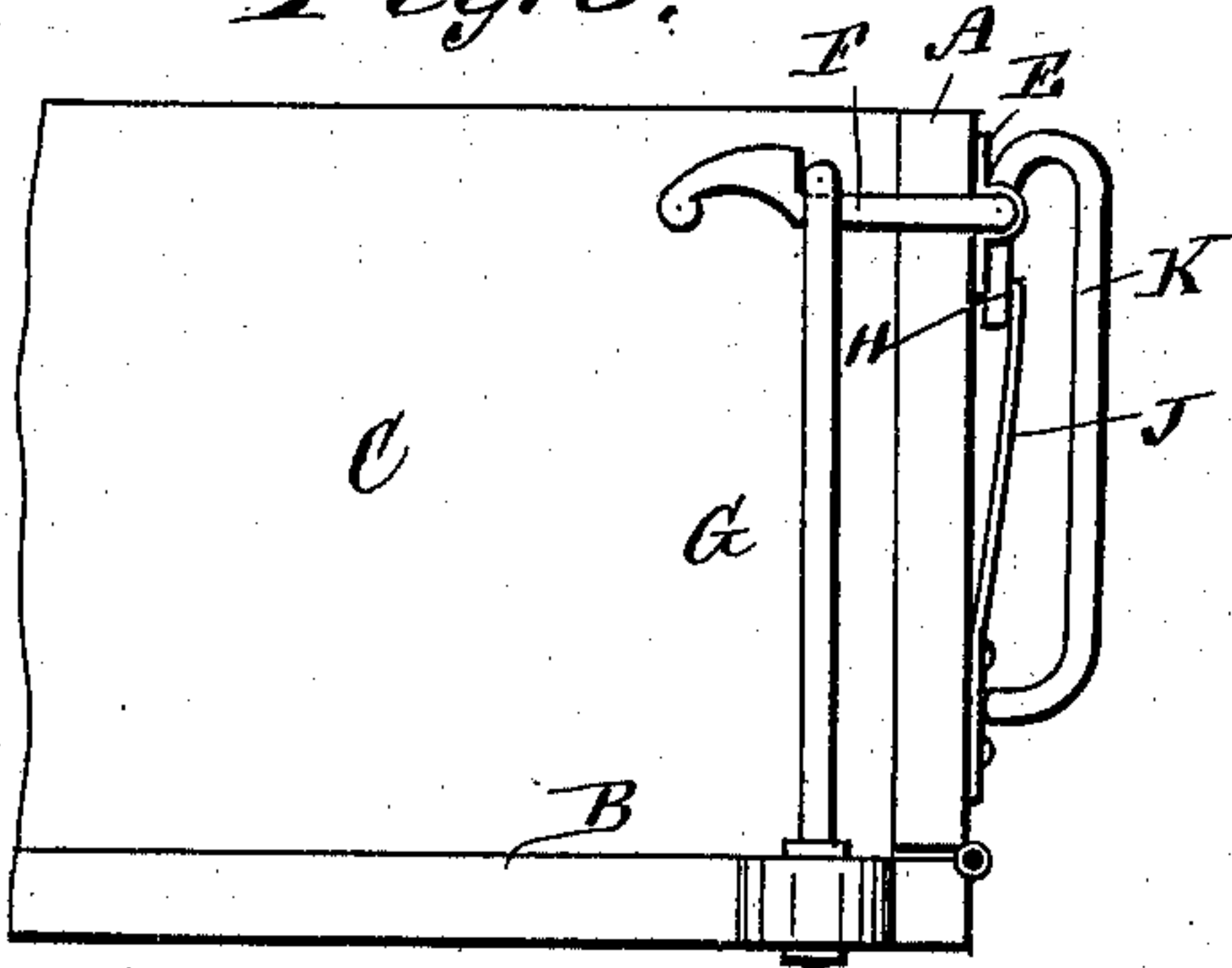
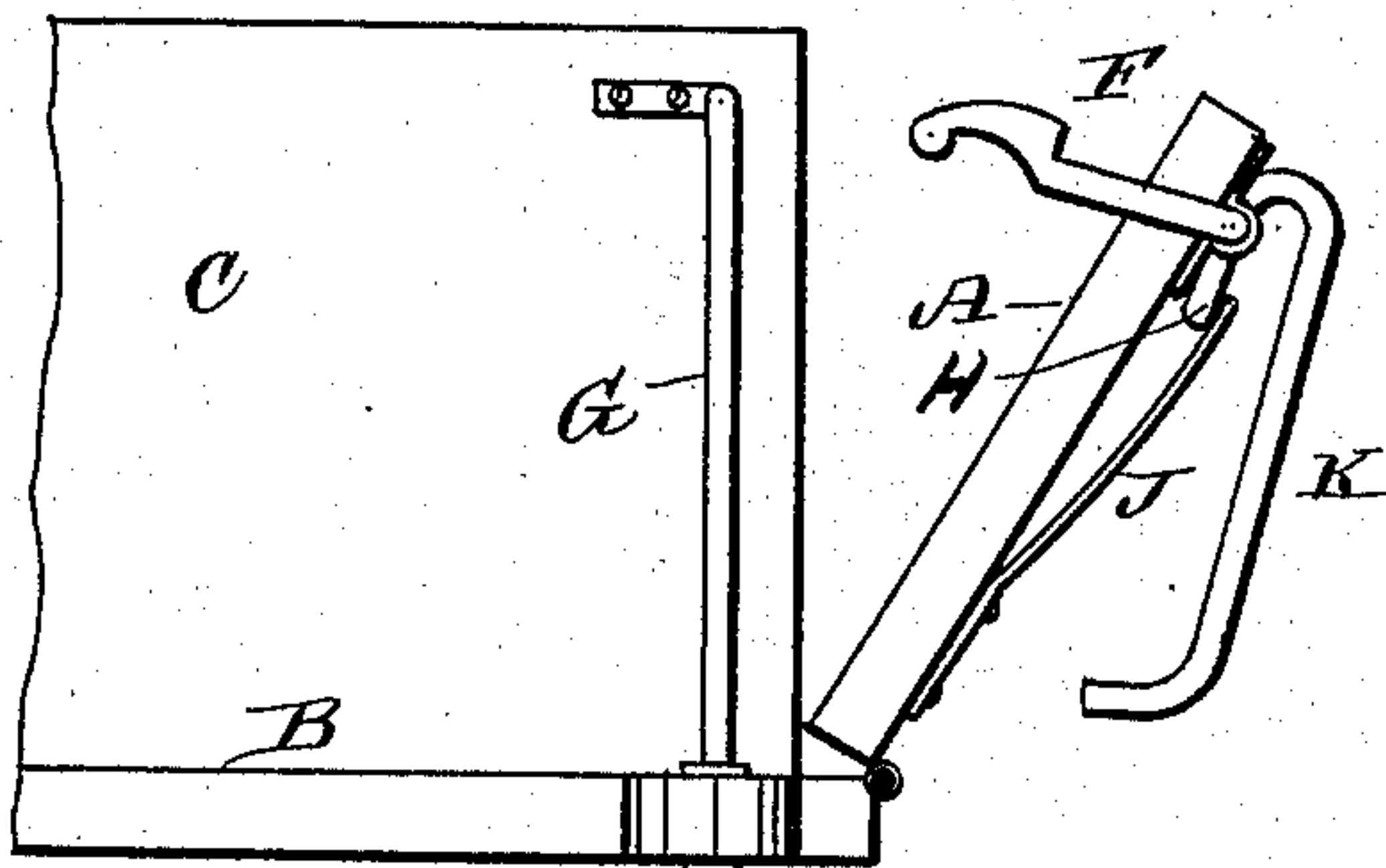


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE,

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END-GATE FASTENING.

SPECIFICATION forming part of Letters Patent No. 322,192, dated July 14, 1885.

Application filed March 5, 1885. (No model.)

To all whom it may concern:

Be it known that I, DUNCAN W. McKINNON, of North Sydney, Cape Breton, in the Province of Nova Scotia and Dominion of Canada, have
5 invented a new and Improved End-Gate Fastening, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved fastening for the end-gates
10 of wagon-boxes which is simple in construction, strong and durable, and can be operated very easily.

The invention consists in the combinations of parts and their construction, substantially
15 as hereinafter fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

20 Figure 1 is a plan view of an end-gate provided with my improved fastening device. Fig. 2 is a plan view of the same. Fig. 3 is an end view, in part, of the gate closed. Fig. 4 is a similar view of the same opened.

25 The end-gate A is hinged on the rear end of the bottom B of the wagon-box C in the usual manner to swing downward and outward. On the outer surface of the gate A a rod or shaft, D, is held near the top of the gate
30 by clips E to turn and the ends of the shaft are bent over on the sides of the box and form beveled hooks F, which are adapted to catch on

the usual side braces, G, on the rear end of the box. The shaft or rod D is provided at its middle with a downwardly-projecting lug, 35 H, against which the free end of a flat spring, J, rests, which has its opposite end secured to the gate near or at the bottom edge of the same. The spring J presses the lug H against the outer surface of the end-gate, thereby 40 pressing the hooks F upward. A handle-arm, K, projects downward from the rod or shaft D. When the gate is swung up against the rear end of the box, the hooks F catch on the braces G, and thus lock the gate in place. 45

To unlock the gate, the lower end of the arm K is pulled outward, whereby the hooks F are swung down and disengaged from the braces G, as is shown in Fig. 4.

Having thus described my invention, I claim 50 as new and desire to secure by Letters Patent—

The combination, with the gate, of the rod or shaft on the same, and having lateral hooks engaging with the braces on the sides of the wagon-body, said shaft having a lug acted 55 upon by a spring of the gate, and the handle connected to said shaft and having its lower end formed with a hook bearing against said gate, substantially as and for the purposes set forth.

DUNCAN W. McKINNON.

Witnesses:

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