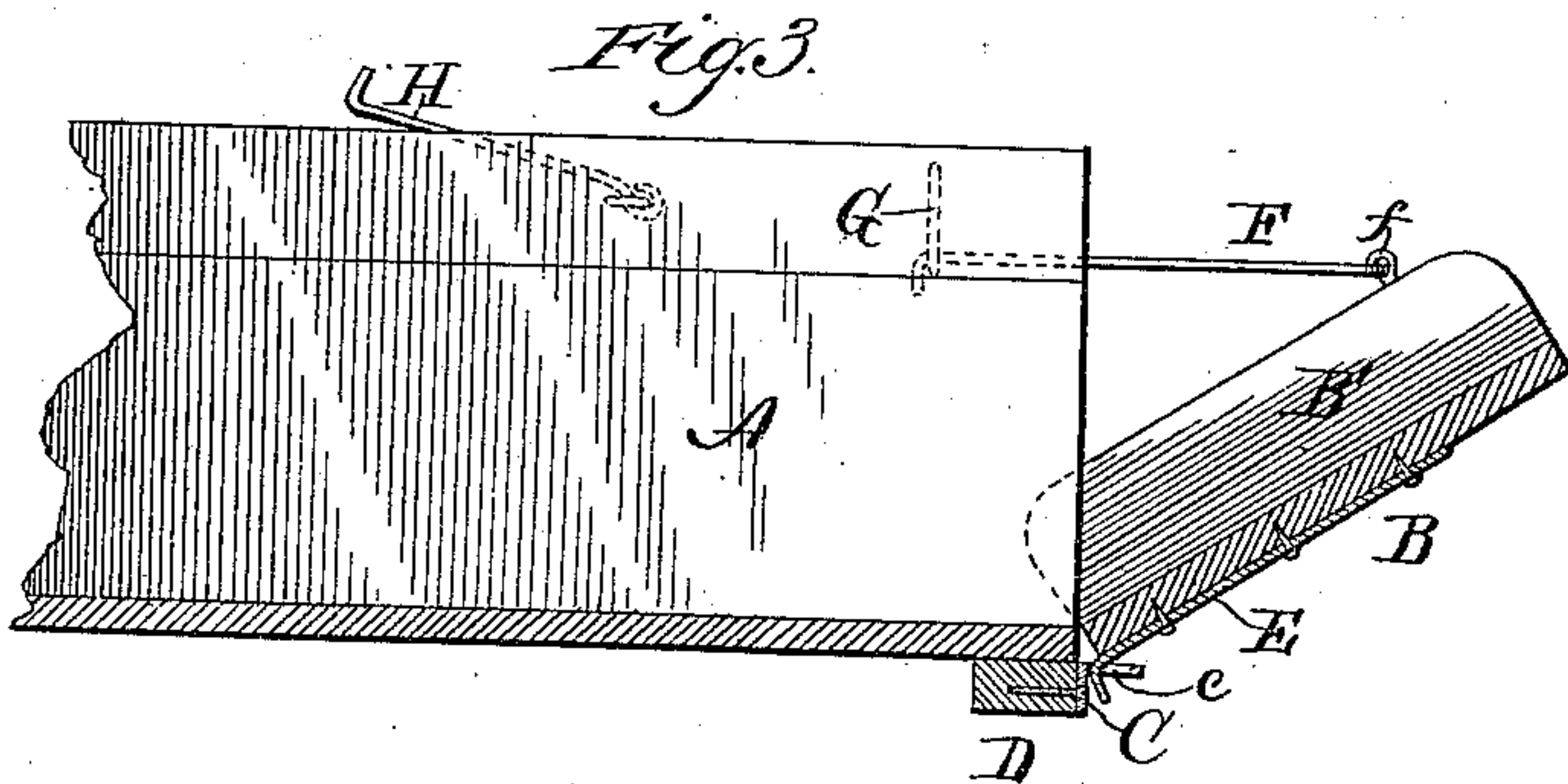
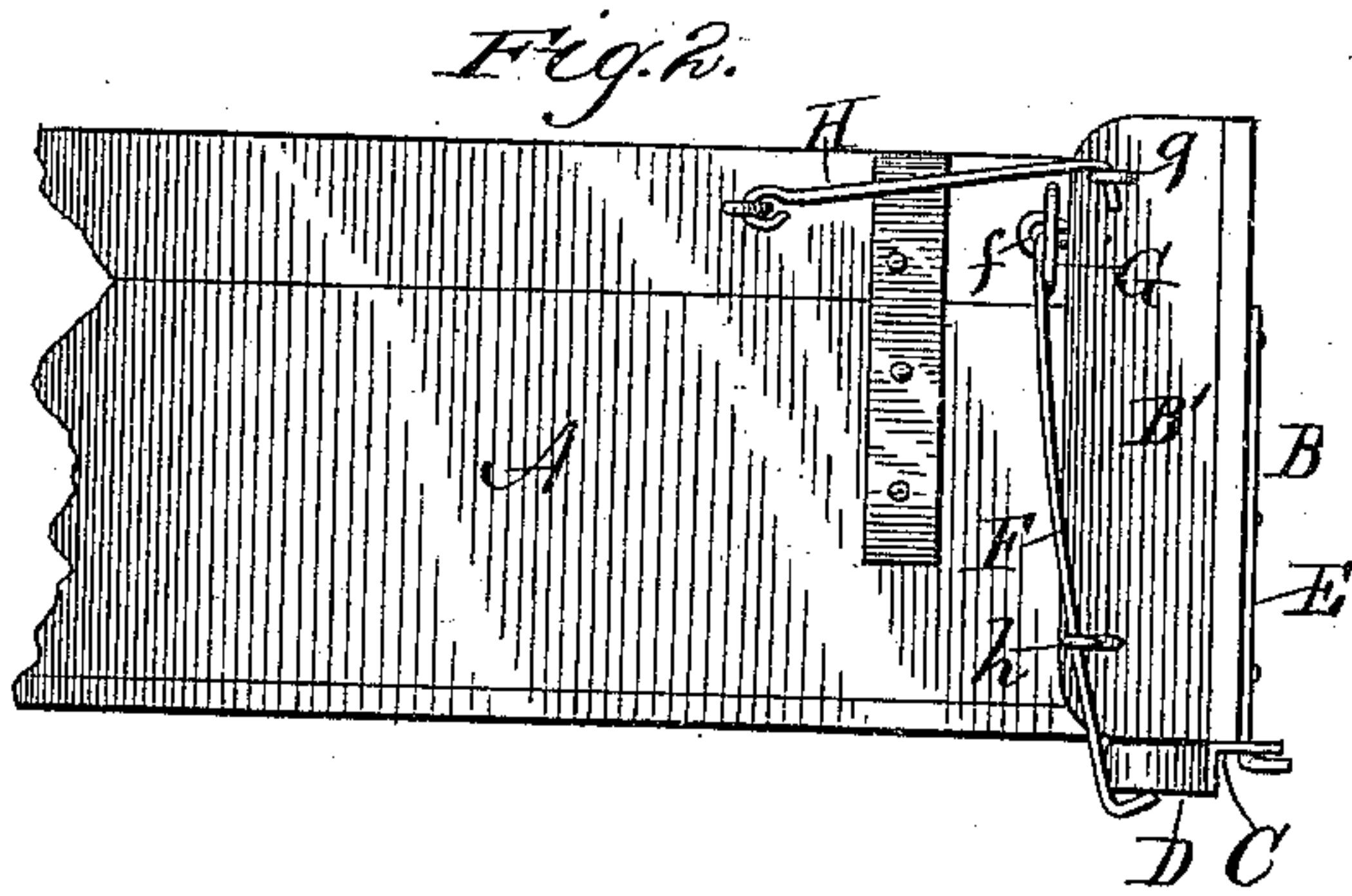
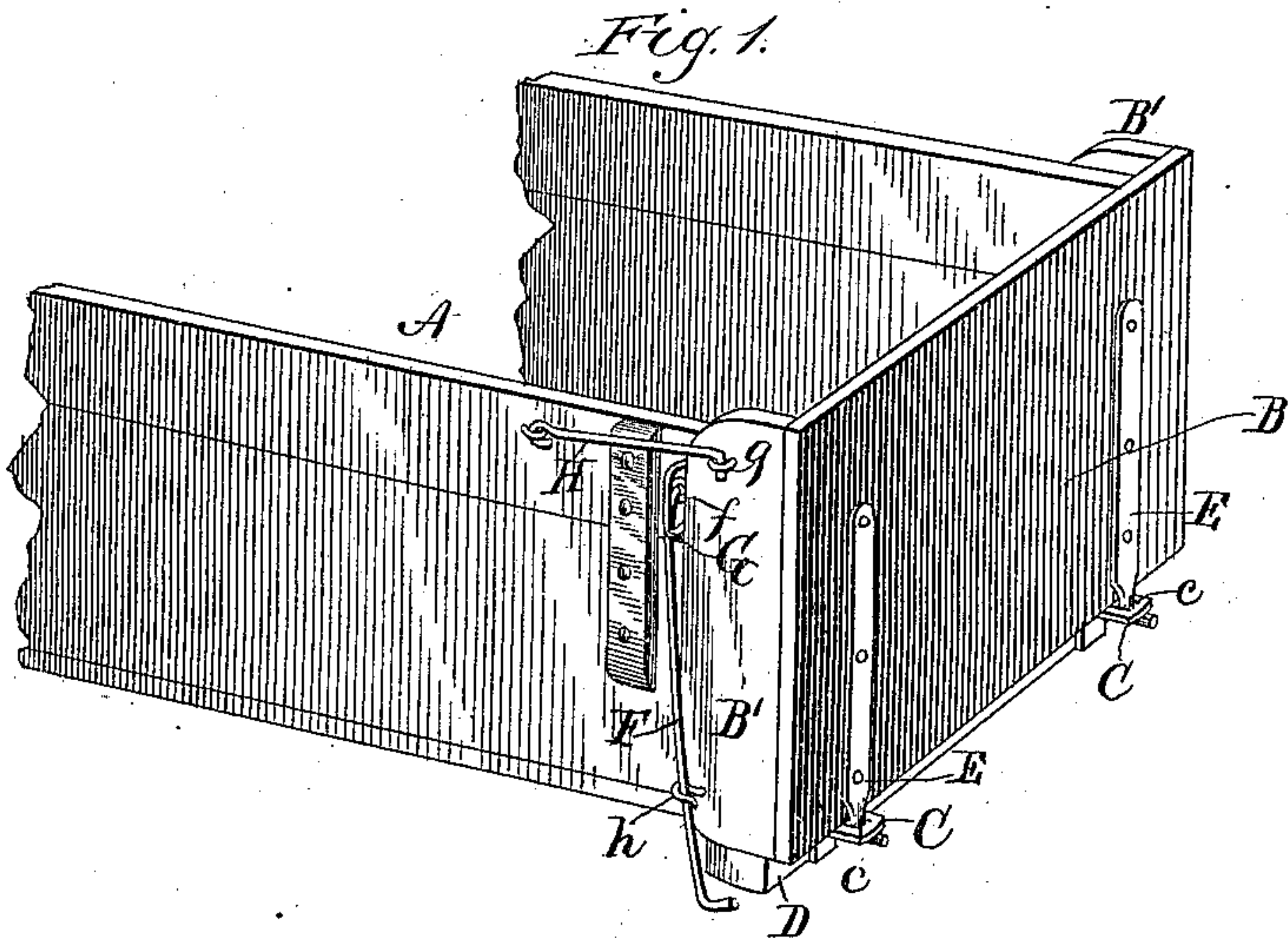


(No Model.)

S. C. DIX.
WAGON END GATE.

No. 357,069.

Patented Feb. 1, 1887.



WITNESSES
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UNITED STATES PATENT OFFICE.

SAMUEL C. DIX, OF NEPONSET, ILLINOIS.

WAGON END-GATE.

SPECIFICATION forming part of Letters Patent No. 357,069, dated February 1, 1887.

Application filed January 26, 1886. Serial No. 189,806. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL C. DIX, a citizen of the United States, residing at Neponset, in the county of Bureau and State of Illinois, have invented certain new and useful Improvements in Wagon End-Gates, of which the following is a specification.

This invention relates to wagon end-gates of that class which, when turned upwardly, form end-gates and which can be turned downwardly into an inclined position to form shoveling-boards.

In the accompanying drawings, which illustrate my invention, Figure 1 is a perspective; Fig. 2, a side elevation showing end-gate in its closed position; Fig. 3, a sectional elevation showing the end-gate turned backward and downward as a shoveling-board; Fig. 4, a perspective of the angle-iron.

Referring to the drawings by letters, the same letter indicating the same part in the different figures, A represents a wagon-body of any desired construction.

B is the end-gate, with ordinary side-boards, B'.

C C are angle-irons, bolted to the rear cross-rail; D. The projecting ends of the angle-irons C have elongated holes or slots *c* through them, as shown most plainly at Figs. 3 and 4.

E E are straps bolted to the end-gate, the lower ends of which are rounded, bent outwardly, and pass one through each slot *c*. When the end-board is turned up, as shown at Figs. 1 and 2, the rounded ends of the straps E are forced outward and rest against the outer walls of the slots *c*; but when the end-board is turned down for a shoveling-board, as shown at Fig. 3, then the lower rounded end of the straps E will rest against the inner ends of the slots *c*, and in both positions the bent lower ends of these straps will prevent them getting out of the slots in the angle-irons.

A hook-rod, F, is hinged by an eyebolt, *f*, to each side-board B'. Each hook-rod F passes through a staple, G, which is fixed to the wagon-body. When the end-gate is closed, the hook-rods F are turned down and engaged each with a hook, *h*, which is fixed to the side-

board B', as shown at Figs. 1 and 2, and hold the end-gate in its closed position. The upper part of each hook-rod binds against the staple G, through which it passes, and thus holds the end-gate close to the rear end of the wagon-body. When the end-gate is turned down for use as a shoveling-board, then the hook ends of the rods F engage with the staples G and hold the end-gate firmly in that position, as shown at Fig. 3. As an additional aid in holding the end-gate in its closed position, I use the hook-rods H, which are hinged to the wagon-body and engage with eyes *g* on the end-gate.

I am aware that end-gates have been provided with openings for a plate attached to the side-boards of the wagon, and having rods provided with heads on their ends to hold the end-gate in place when lowered, and hooks on the rear of the end-gates for the rods when the said end-gate has been raised; but this differs from my device, in that the openings in the end-gate and the plates are dispensed with and staples G fixed to the side-boards for the hooked rods F, which are attached at one end to the end-gate, are used. When the latter is closed, the rods are held by the hooks *h*, which, with staples G, form a lock for each side of the gate. An additional lock is had by using the hooks H and eyes *g*. Therefore

What I claim as new is—

1. The combination of a wagon-body having the staples G and an end-gate having hooked rods F and the hooks *h* on the outside of the gate to form a lock, substantially as described.

2. The combination of a wagon-body having the staples G on the outer side of the side-boards, an end-gate having the rods F, which pass through the staples G, the hooks *h*, and eye *g*, and the hooks H on the side-boards, substantially as described.

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

SAMUEL C. DIX.

Witnesses:

A. M. COX,
W. D. WHAPLES.