

(No Model.)

D. MOULTON.  
Carding Machine.

No. 236,450.

Patented Jan. 11, 1881.

Fig. 1.

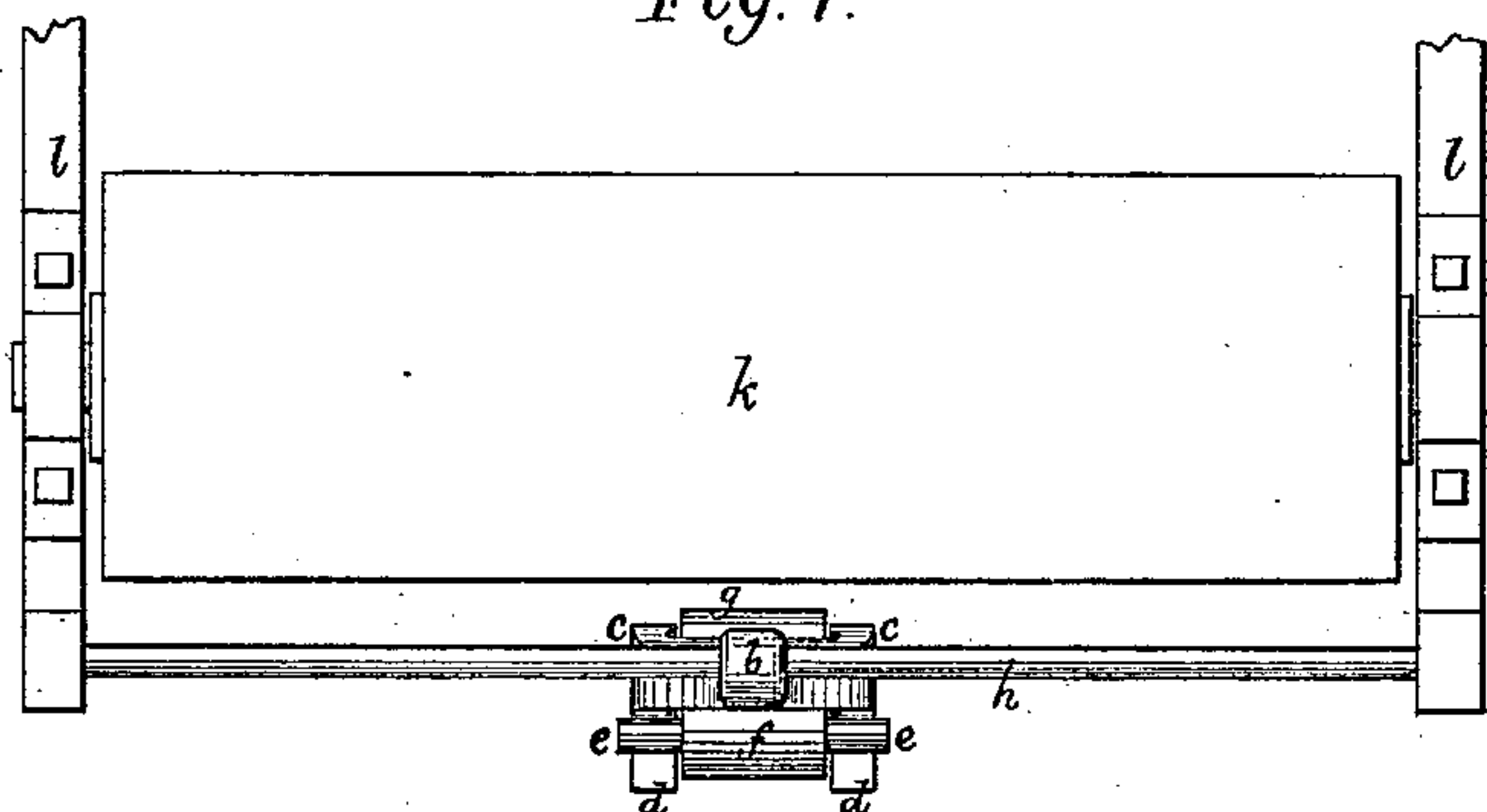


Fig. 2.

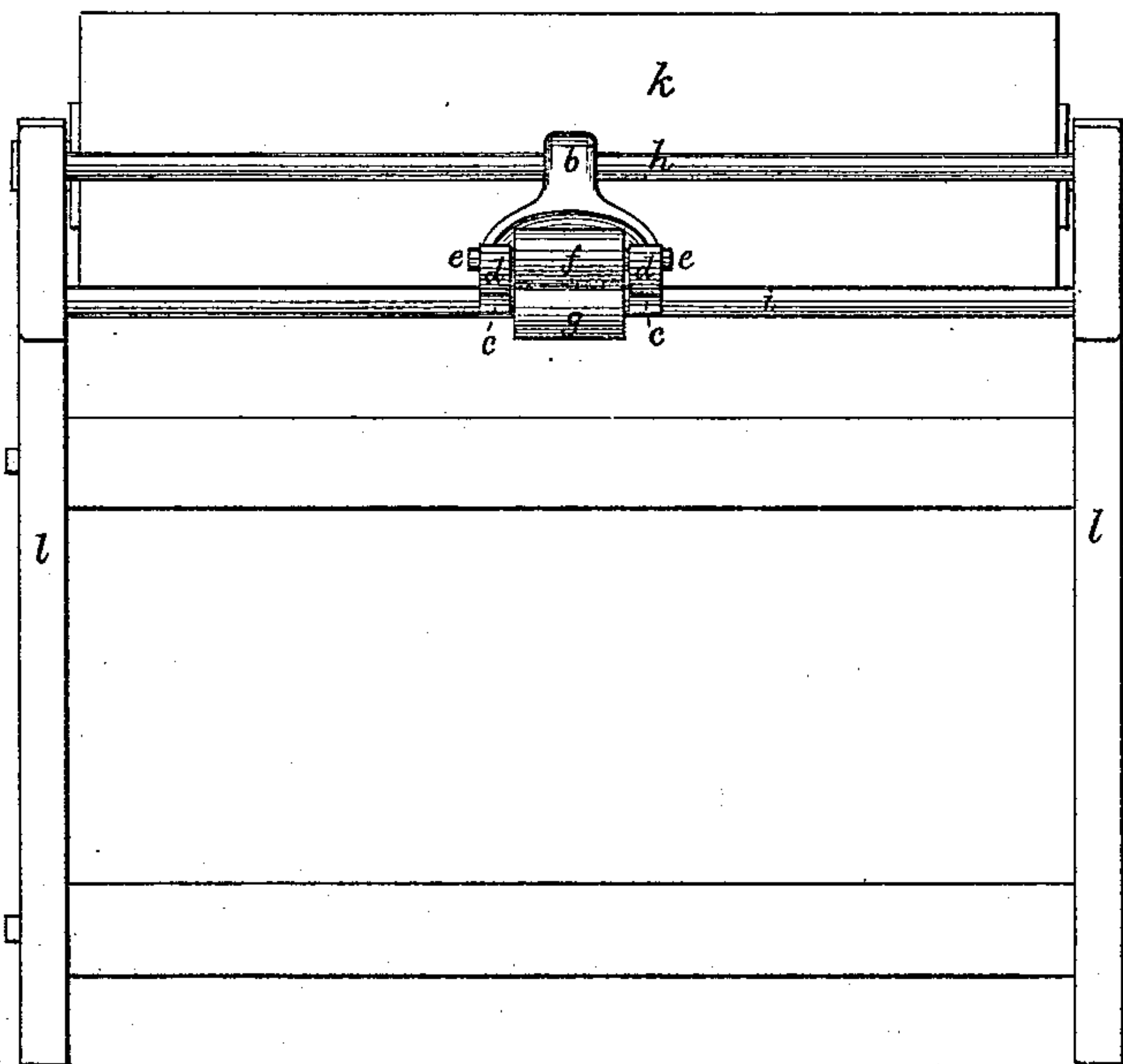


Fig. 3.

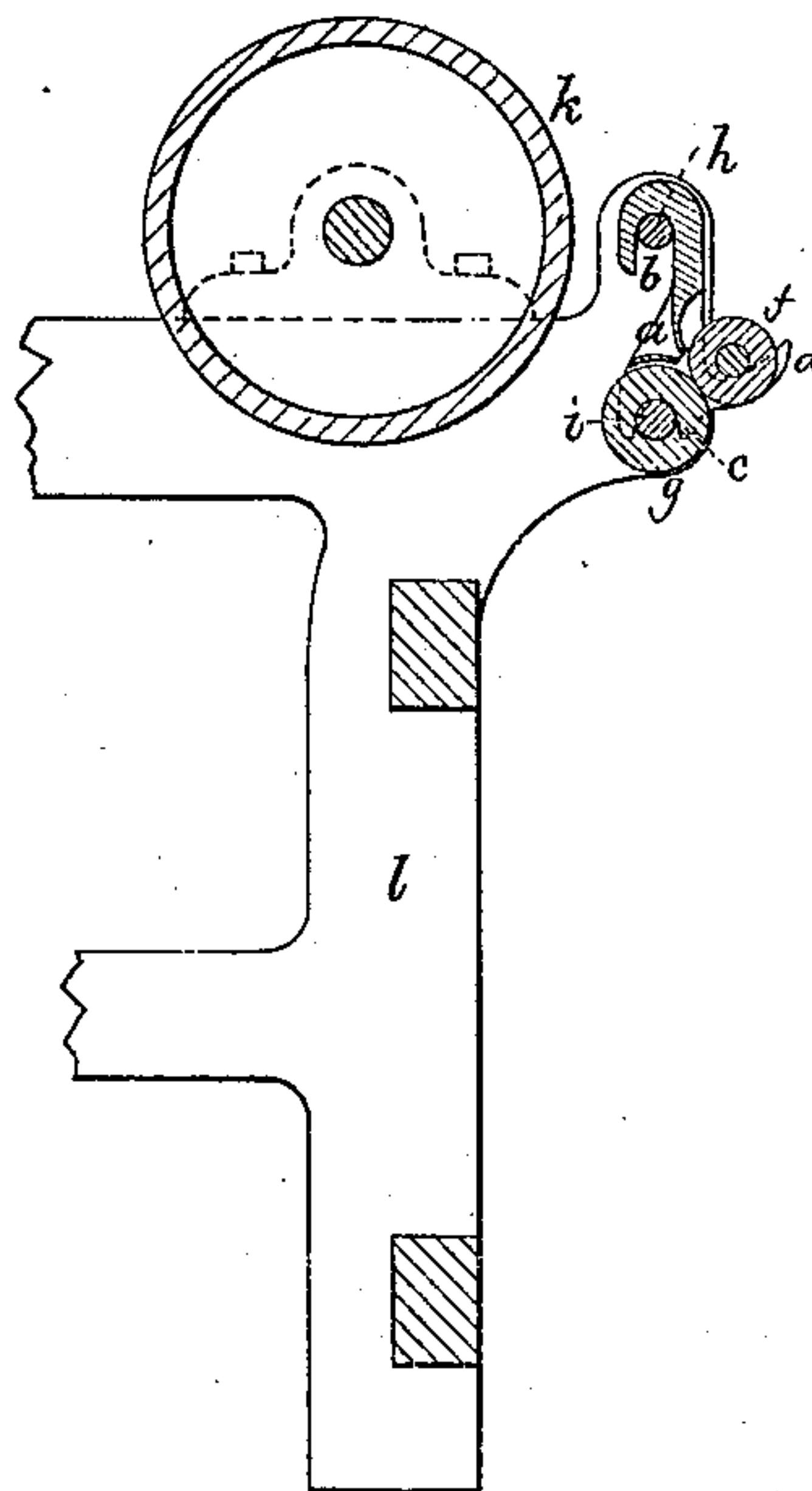


Fig. 4.

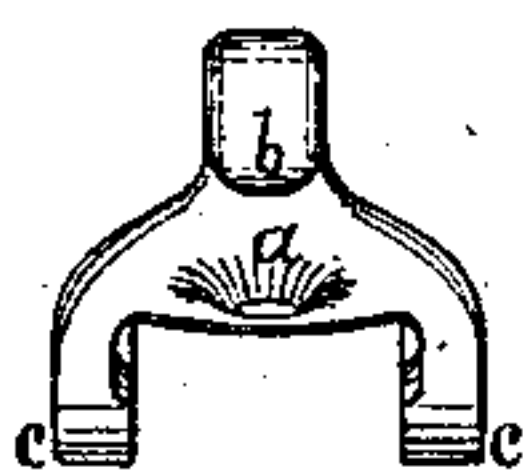


Fig. 5.



Fig. 6.



Witnesses.

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# UNITED STATES PATENT OFFICE.

DANIEL MOULTON, OF LEWISTON, MAINE.

## CARDING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 236,450, dated January 11, 1881.

Application filed April 5, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL MOULTON, of Lewiston, in the county of Androscoggin and State of Maine, have invented a new and useful Improvement in Carding-Machines; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a front elevation, and Fig. 3 a transverse section, of the doffer and front portions of a carding-engine with my improvement applied thereto. Fig. 4 is a front elevation, Fig. 5 an end view, and Fig. 6 a vertical and transverse section, of the trumpet and its adjuncts, to be hereinafter explained.

My invention relates specially to the trumpet and to the method of applying it to the adjacent parts of the machine.

The ordinary method of attaching a trumpet and the friction or top calender-roll bearings to a carding-engine has been by means of a stand or arm projecting from and permanently fixed to the frame of the machine, the friction-roll bearings and the trumpet being sustained by the stand. Such a mode of attachment has proved a source of annoyance, on account of it forming between the doffer and delivery-rolls a place for dirt, seeds, and bunches or waste matters to collect and be gathered up by the sliver in its passage from the doffer to the trumpet. With my invention all this is avoided, as I dispense with the stand or arm, bolts, screws, &c., usually employed to effect the attachment of the trumpet and of the calender-roll bearings, and I accom-

plish such attachment by other and different means—that is to say, I provide the trumpet *a* with a hook, *b*, extending up from it in manner as shown, and I arrange said trumpet between and project down from it two forks or recessed ears, *c c*, and from them (the said ears) I extend bearings *d d*, for receiving the journals *ee* of the friction or top roller, *f*. The trumpet and its forks I arrange astraddle of the delivery-roll *g*, and hitch the hook of the trumpet upon the comb-shaft *h*, while the forks I arrange to straddle the delivery-roller shaft *i*, the doffer being represented at *k*, and its sustaining-frame, or parts thereof, at *l*.

From the above it will be seen that with my invention I am enabled to provide a very simple and easy method of supporting and applying the trumpet and top roller, affording between the doffer and the delivery-rolls a clear space for the discharge of waste matters, as mentioned.

What therefore I claim as my invention is as follows, viz:

1. The carding-machine trumpet, combined with the hook, the top-roller bearings, and the forks, substantially as set forth.

2. The carding-machine trumpet provided with the hook, the top-roller bearings, and the forks, in combination with the top roller, the delivery-roller and its shaft, and the comb-shaft of the carding-engine, all being substantially as shown and described.

DANIEL MOULTON.

Witnesses:

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