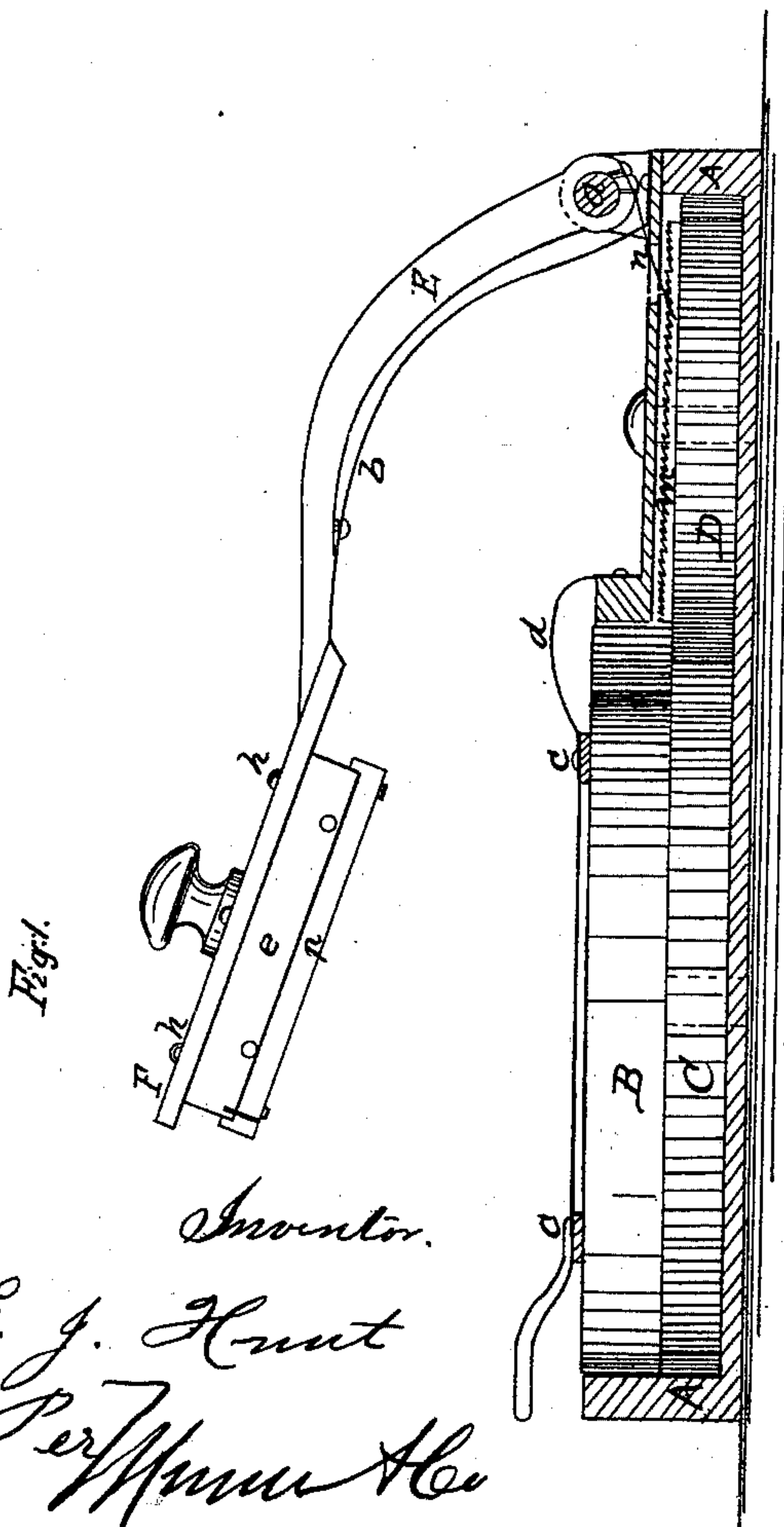
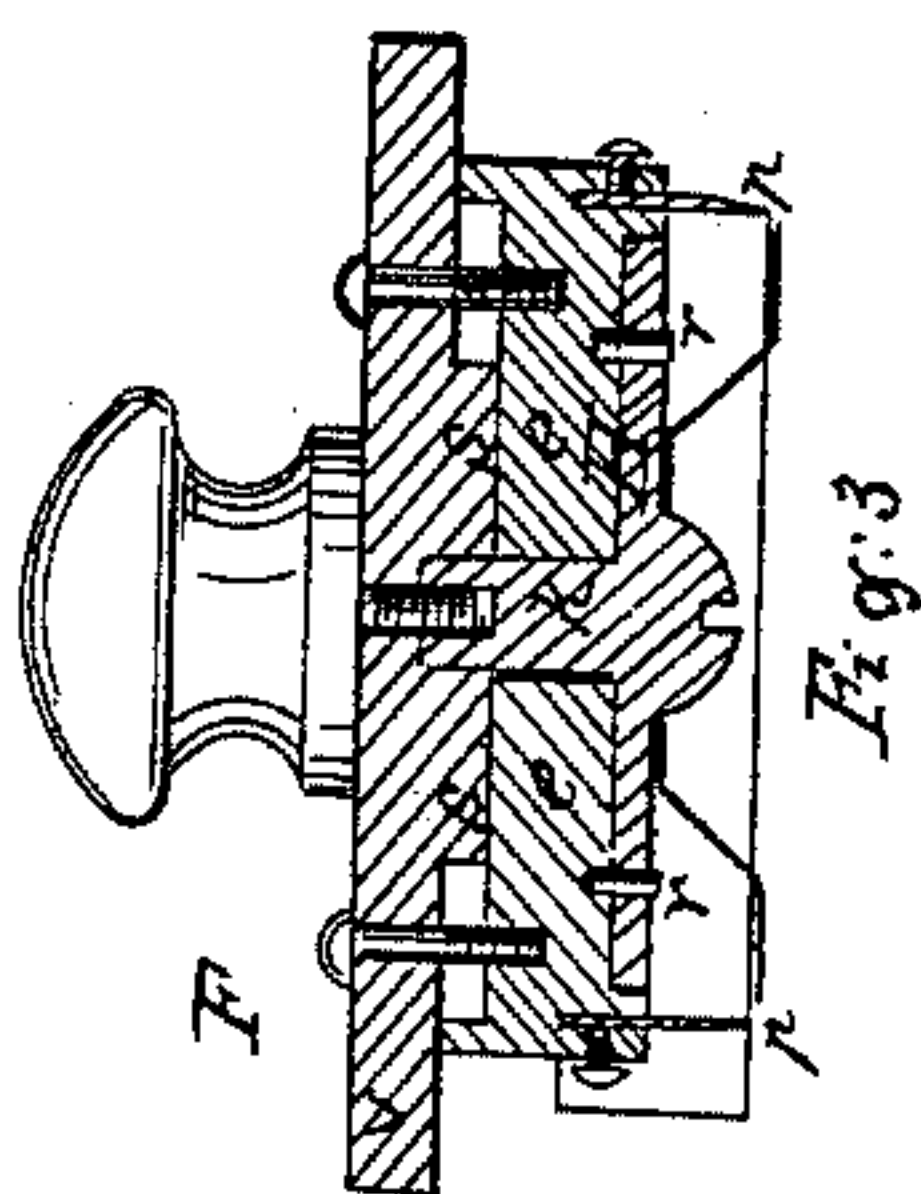
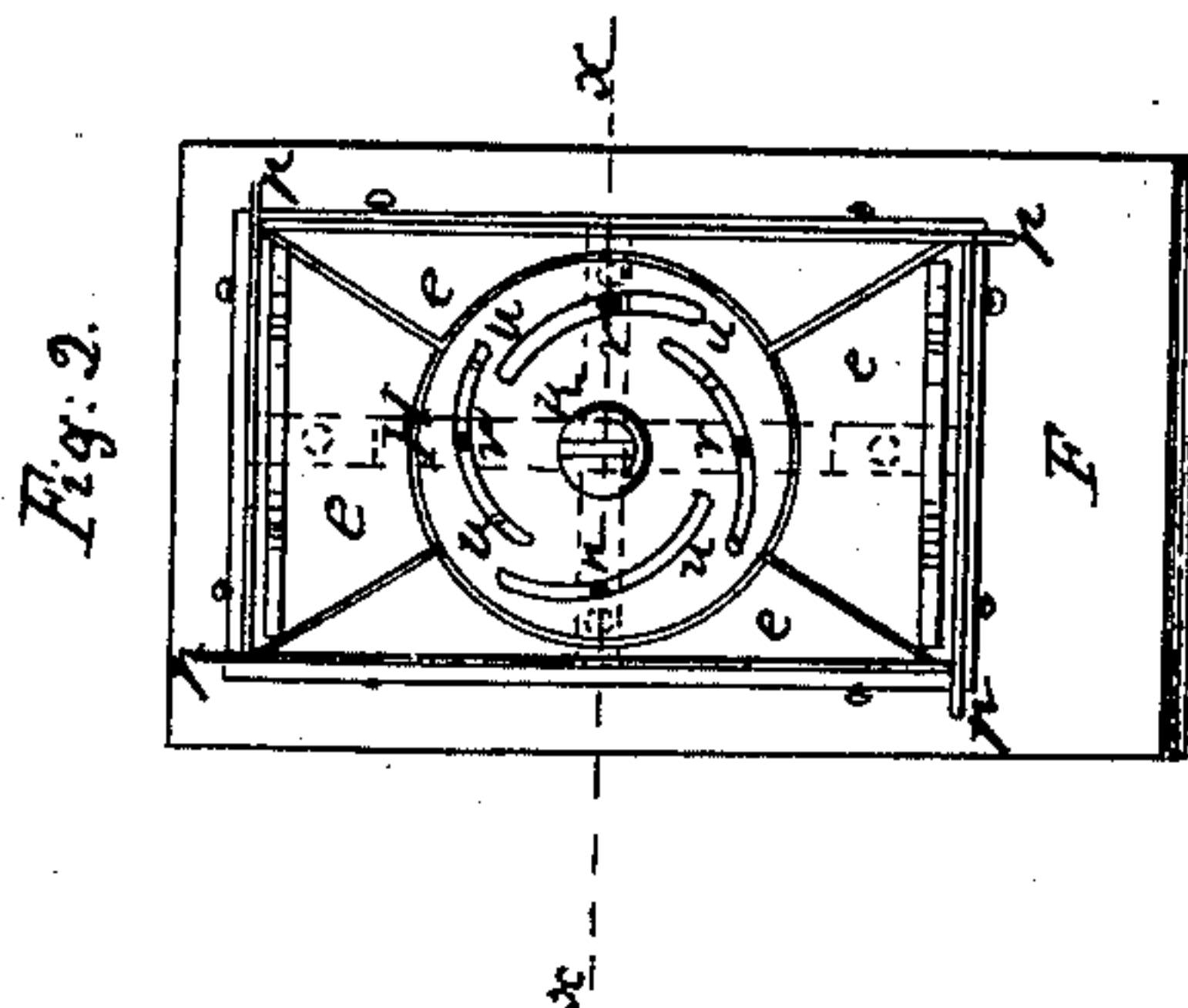


E. J. HUNT.
MACHINE FOR CUTTING CARDS.

No. 74,095.

Patented Feb. 4, 1868.



Witnesses
Thos. Snodgrass.
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E. J. HUNT, OF CONCORD, NEW HAMPSHIRE.

Letters Patent No. 74,095, dated February 4, 1868.

IMPROVED MACHINE FOR CUTTING CARDS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, E. J. HUNT, of Concord, in the county of Merrimack, and State of New Hampshire, have invented a new and improved Machine for Cutting Cards; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved card-cutting machine.

Figure 2 is a bottom view of the cutter, detached.

Figure 3 is a transverse section taken in the line *x x*, fig. 2.

Similar letters of reference indicate like parts.

The nature of this invention consists in attaching an adjustable cutter for cutting *carte de visites*, and cards of all kinds, sizes, and shapes, upon the end of a spring-arm, which lifts the cutter from the cutting-board or surface after the card is cut, which cutting-board is set in a recess, in an under frame or base, and is attached to a cog-wheel, which engages in another wheel, to receive intermittent rotary motion therefrom by means of a ratchet-wheel, operated by a pawl connected with the rock-bar, upon which the spring-cutter arm works for the purpose of presenting a new face to the cutting-knives every time the cutter descends, as hereinafter more particularly described.

A represents a base-board or box-frame, in which is set the circular cutting-board, B, made of copper-face or other soft metal in the usual manner, which is attached to or set upon a cog-wheel, C, the axis of which is stepped in the base, A, and which is geared into the wheel, D, that carries on its upper side a ratchet-wheel, *m*, which is moved, one or more teeth at a time, by the pawl *n* connected with the rock-shaft *a*, hung at one end of the base-board, A, to carry the arm E with the cutter-box F. Under the cutter-arm E is fastened a spring, *b*, which lifts the arm when a card has been cut. When the arm is depressed to cut a card on the board B, the card is held under the frame *c* by means of a spring, *d*. The motion of the rock-shaft *a* downward draws the pawl *n* back, and when the arm is raised by the spring *d*, the pawl *n* engages in the teeth of the ratchet-wheel *m*, and turns the cutter-board B slightly, to change its position under the cutting-knives. The cutter-box F is divided into four adjustable sections, *e e*, which carry the knives *p p*, and are fastened to the cap-plate *u* by screws, *h h*, through slots in the cap-plate. The sections *e e* are grooved on the under side transversely, from a common centre, to slide in and out, as required, upon ribs or tongues, *s s*, on the cap-plate *r*, to set the knives on the four sides of the box F nearer together or wider apart for cutting cards of different sizes. This contracting and expanding movement of the sections *e e* with the knives is effected by means of a pin, *r*, in the lower side of each section, which works in eccentric curved slots, *u*, made in a circular plate, H, set upon a screw, *k*, in the centre of the cutter-box. By turning the plate H in one direction the sections *e e*, with the knives, are contracted, and by turning it in the opposite direction the sections and knives are expanded, by the pins *r* moving in the eccentric slots *u*, as will be readily understood.

The cutter-box may be arranged for cutting oval or other shaped cards, upon the same principle of construction.

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

1. The rotary cutter-board B, in combination with the gear-wheels C D, the ratchet-wheel *m*, and the cutter-arm E, constructed and operating substantially as and for the purpose herein described.
2. The adjustable sections *e e*, with the knives *p p*, and the circular slotted plate H, in the cutter-box F, constructed and operating substantially as and for the purpose specified.

E. J. HUNT.

Witnesses:

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