

(No Model.)

2 Sheets—Sheet 1.

D. R. PRICE.
VETERINARY OPERATING TABLE.

No. 407,610.

Patented July 23, 1889.

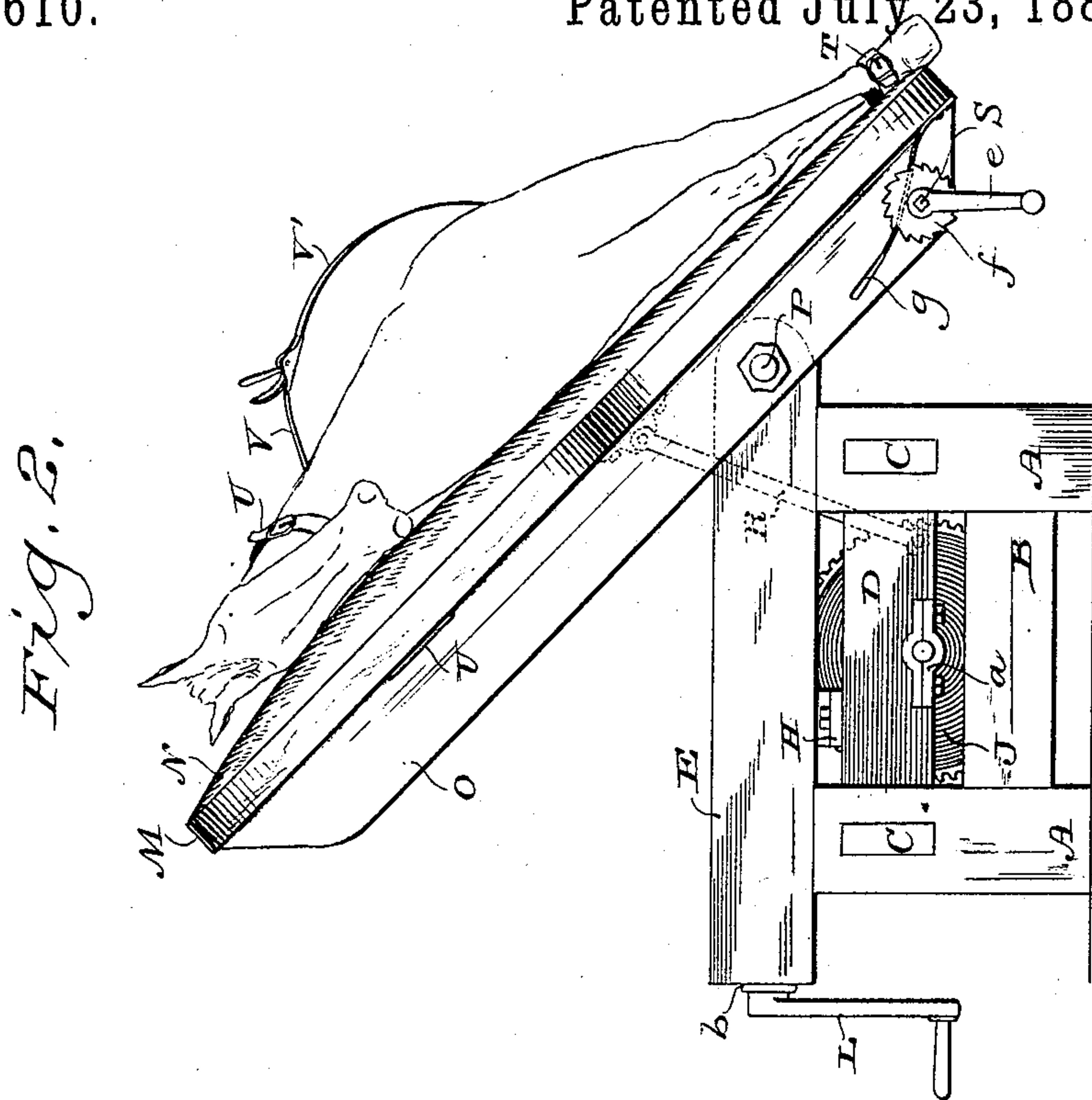


Fig. 2.

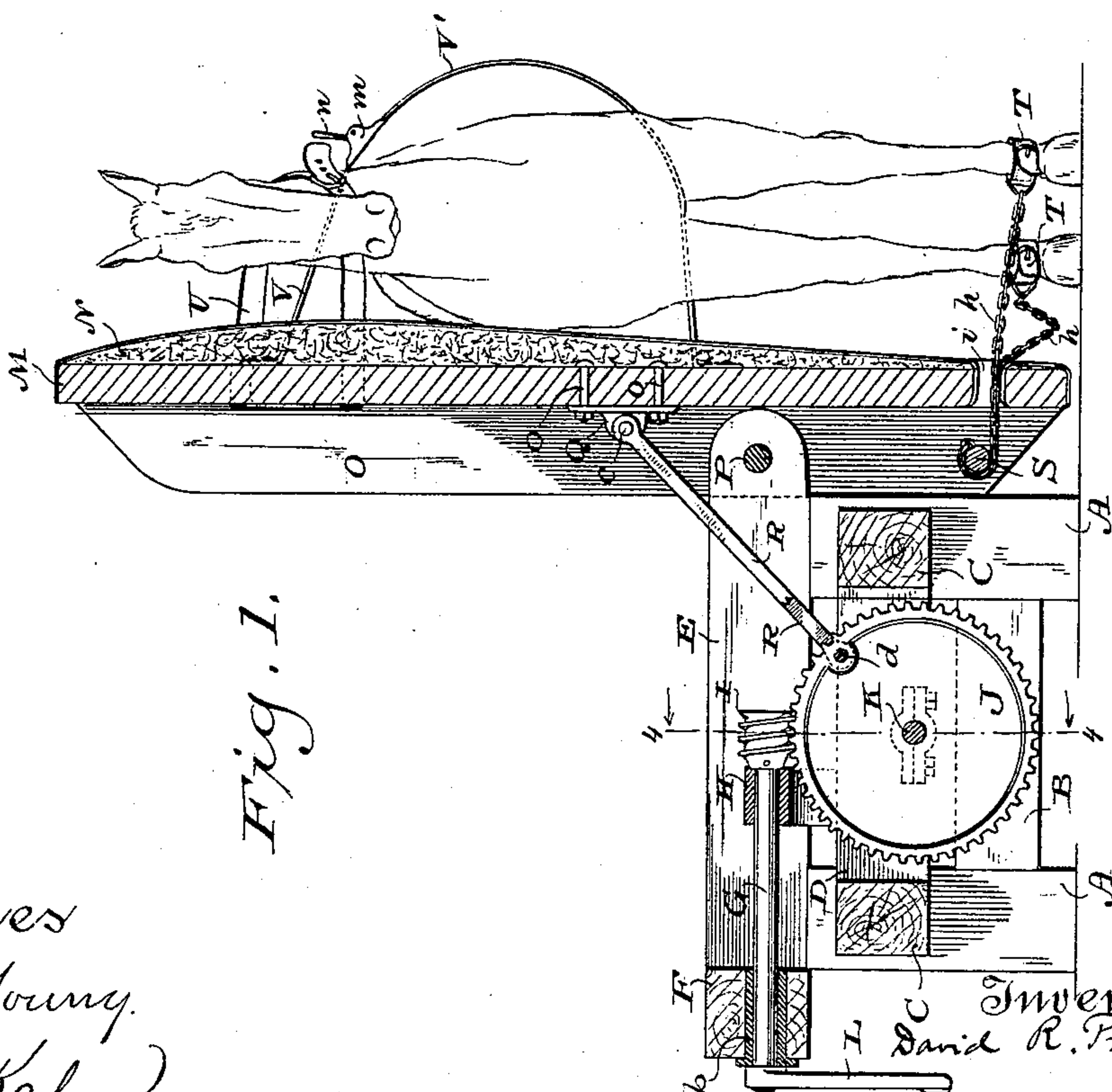


Fig. 1.

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Fig. 3.

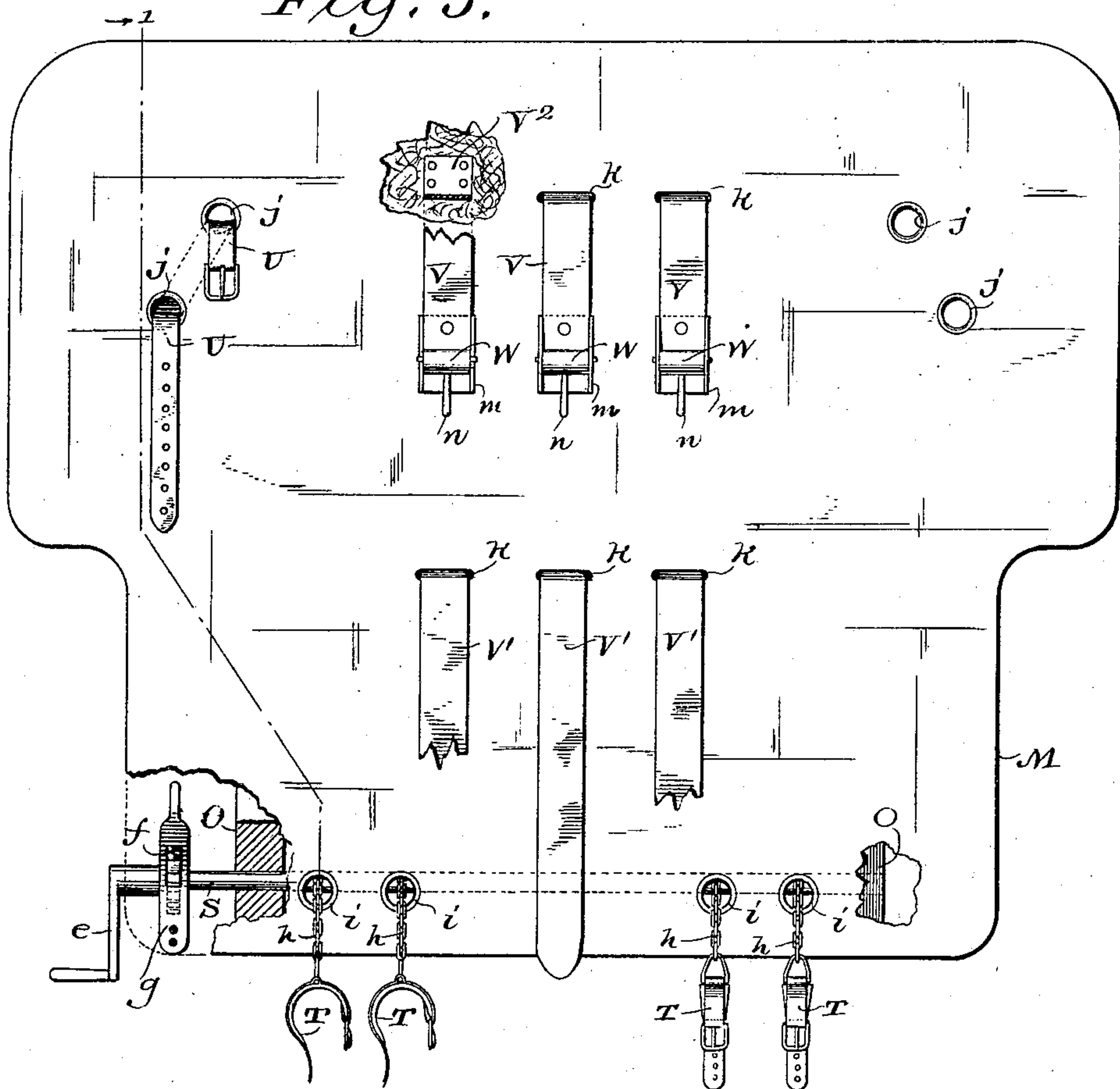


Fig. 5.

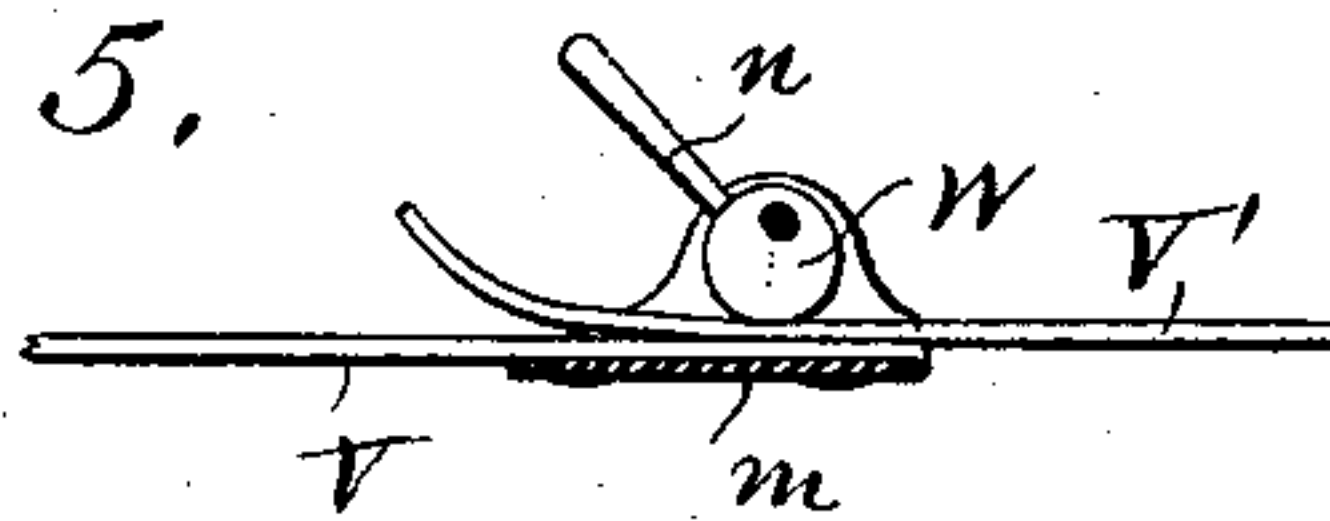
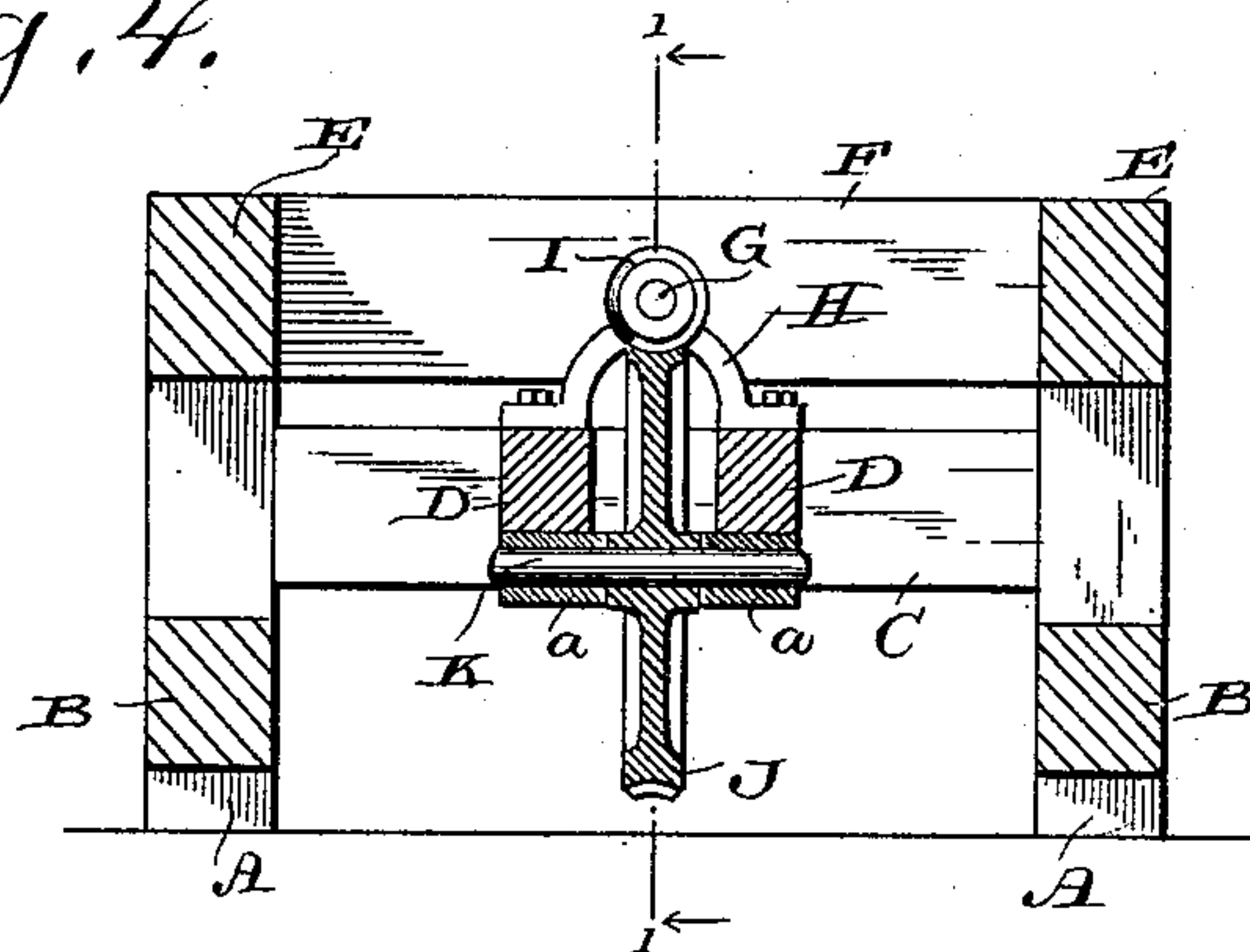


Fig. 4.



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UNITED STATES PATENT OFFICE.

DAVID R. PRICE, OF CAMBRIA, WISCONSIN.

VETERINARY OPERATING-TABLE.

SPECIFICATION forming part of Letters Patent No. 407,610, dated July 23, 1889.

Application filed October 22, 1888. Serial No. 288,827. (No model.)

To all whom it may concern:

Be it known that I, DAVID R. PRICE, of Cambria, in the county of Columbia, and in the State of Wisconsin, have invented certain new and useful Improvements in Veterinary Operating-Tables; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to veterinary surgical tables; and it consists in certain peculiarities of construction, as will be fully set forth hereinafter, and pointed out in the claims.

In the drawings, Figure 1 is an end elevation of my device, partly in section, on the line 1 1 of Figs. 3 and 4, and with the table proper in a vertical position, and showing a horse being secured thereto. Fig. 2 is an end elevation of my device, with the table proper and horse secured thereto, adjusted at an angle. Fig. 3 is a plan view of the table proper in a horizontal position, partially broken away to show the construction and arrangement of some of the parts beneath. Fig. 4 is a vertical section on the line 4 4 of Fig. 1, and Fig. 5 is a detail view of one of the body-straps and its fastening device.

A A represent the legs or vertical posts of a suitable supporting-frame, having suitable end braces B B and side braces C C, which latter are further connected by the cross-timbers D D, and to the top of the posts A A are secured the beams E E, projecting, preferably, beyond said posts at each end, and connected at their rear ends by the beam F, which latter is perforated to receive a rod G, passing therethrough and through a suitable bearing H, rising from the cross-timbers D D and terminating in a worm-gear I, which is in mesh with the teeth of a gear-wheel J, supported between the said cross-timbers D D on an axle K, suitably journaled to said timbers, as shown at *a a*, the rod G passing through a bearing *b* in the beam F, and having a crank L or other power attached to its rear end.

M is the operating-table proper, preferably of the shape shown in the drawings, and suitably padded or cushioned, as shown at N, on its upper or outer side, and having cleats O O on its under or inner side, whereby it is pivoted by the rod P to the inner ends of the top beams E E of the supporting-frame, and between these cleats O O is a lug or boss Q,

(secured, as by bolts *o o*, to the table M,) to which are pivoted on the journal *c* the inner ends of the links R R, whose other ends straddle the gear-wheel J and are pivoted thereto by the journal *d*.

S is a rod passing through the lower ends of the cleats O O, and having a crank *e* at its outer end, and adjacent thereto, outside the cleat, carrying a ratchet *f*, which engages with a slotted spring-pawl *g*, secured to the adjacent end of the table M. Secured to this rod S are four chains *h h*, arranged in pairs near each end and passing through holes *i i* in the said table M, and at the free ends of these chains are secured hopples T T, adapted to buckle around the feet of the horse or other animal to be operated upon. When these hopples have been adjusted, as shown in Fig. 1, then the rod S is turned by means of its crank *e*, and the four feet of the animal are thereby drawn against the table M, as in Fig. 2, the chains *h h* winding on the rod S, and the pawl *g* preventing them from being accidentally loosened.

The upper portion of the table M is provided at each side with the holes *j j*, arranged in pairs, and through one of these pairs of holes (according to which side the animal is to present while being operated upon) there is passed the neck-strap U, and this is buckled around the animal's neck, as shown.

V V' are the body-straps, arranged in series, (three, more or less, above and a corresponding number below,) whose inner ends are preferably made fast to the table M before the cushion N is applied thereto, as shown in Fig. 1 and at V² in Fig. 3, and their free ends passed out through holes or slits *k k* in said cushion, and the ends of the upper straps V carry clamping-plates *m* at their ends, in whose side edges are journaled cam-rollers W, having convenient lever-handles *n*, so that when the straps V' are passed around the body of the animal and the ends of these straps slipped under the cam-rollers the latter can be instantly turned and the strap ends tightened to place, this being a much more convenient arrangement than tying or buckling said ends.

The operation of my device will be readily understood from the foregoing description of its construction. When the animal is to be

operated upon, the table M must be in the vertical position shown in Fig. 1 and the animal strapped and hopped thereto, as shown and described. Then by turning the crank

5 L, or otherwise revolving the rod G, the said table M is inclined to any angle preferred, and in whatever position it may be left, either vertical, angular, or horizontal, it will be rigidly sustained without any adjustment or locking of parts, as in most operating-tables, and
10 at the same time present an unobstructed surface to the operator.

While I prefer to use chains, as shown at h, to connect the hoppers T to the rod S, it is
15 obvious that I may use cords, ropes, or cables, the said rod serving as a winding-drum for whatever flexible connections are used, and as the latter are practically of equal length a few turns of the said rod will serve to draw
20 all the feet of the animal snugly against the operating-table.

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

25 1. The combination, with a veterinary operating-table, of a rod journaled in suitable bearings in the lower part thereof, chains or cords of practically equal length connected to said rod, hoppers connected to the free ends
30 of said chains or cords, and means for revolving said rod and holding it in any desired adjustment, substantially as set forth.

2. The combination, with a suitable supporting-frame, of a veterinary operating-table
35 hinged to a horizontal rod on said frame below the longitudinal center of said table, a gear-wheel mounted on a horizontal axle in said frame and carrying a transversely-projecting journal near the periphery of said wheel, a
40 journal secured to the rear or under side of

the operating-table above the plane of said gear-wheel, a pair of inflexible links pivoted to the last-named journal and straddling the gear-wheel and pivoted to the transverse projecting journal thereon, a horizontal rod 45 mounted in the frame above the gear-wheel and carrying at the inner end a worm-gear rigid with said rod and in mesh with said gear-wheel, and a crank fixed to the other end of said rod, substantially as set forth. 50

3. The combination, with an adjustable veterinary operating-table provided with a pad or cushion covering its entire outer surface, and having holes arranged in pairs at each side of its upper portion and a series of holes 55 arranged in pairs at each side of its lower portion, of a neck-strap passing through one of the upper pairs of holes, body-straps arranged in upper and lower series secured to the table and passing through slits or openings in the 60 cushion, and the straps of one series having clamping-plates and cam-rollers at their free ends, chains or cords of practically equal length passing through the holes in the lower portion of the table and carrying hoppers at 65 their outer ends, a transverse revolving rod located adjacent to said lower holes and journaled in cleats or bearings on said table and connected to the inner ends of said chains or cords, a ratchet on said rod, and a spring- 70 pawl on said table adapted to engage with said ratchet, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Cambria, in the county of Columbia and State of Wisconsin, 75 in the presence of two witnesses.

DAVID R. PRICE.

Witnesses:

G. W. PREES,
EVAN OWENS.