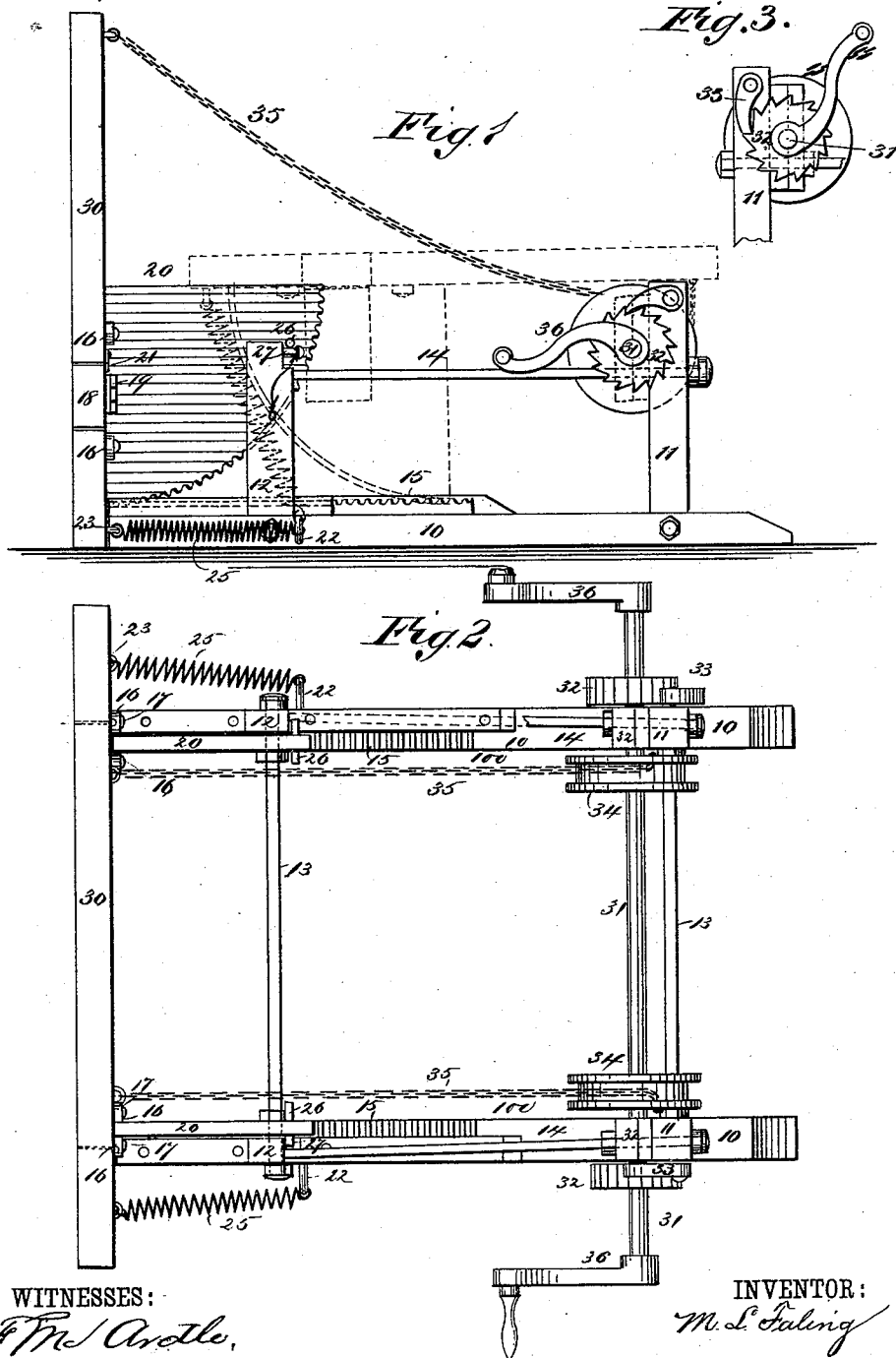


(No Model.)

M. L. FALING.
VETERINARY OPERATING TABLE.

No. 353,057.

Patented Nov. 23, 1886.



WITNESSES:
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UNITED STATES PATENT OFFICE.

MATHEW LEWIS FALING, OF TONAWANDA, NEW YORK.

VETERINARY OPERATING-TABLE.

SPECIFICATION forming part of Letters Patent No. 353,057, dated November 23, 1886.

Application filed May 21, 1886. Serial No. 202,933. (No model.)

To all whom it may concern:

Be it known that I, MATHEW LEWIS FALING, of Tonawanda, Erie county, New York, have invented a new and Improved Veterinary Operating-Table, of which the following is a full, clear, and exact description.

The object of my invention is to provide an operating-table for the use of veterinary surgeons which shall be so constructed as to do away with the necessity of throwing or casting the horse with a side line previous to a surgical operation, said throwing of the horse being always attended with more or less danger of injury to the animal, and being also attended with a special danger of injury to the operator. With my invention, however, the horse can be handled, and any necessary operation performed without danger to the operator and without interruption, such as would ordinarily be caused by the movement of the horse.

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

Figure 1 is a side view of the table, representing the parts as they appear when the table is thrown to a vertical position—that is, to the position in which it is placed when the animal is strapped or harnessed thereto—the horizontal position of the table being indicated by dotted lines. Fig. 2 is a plan view of the table, and Fig. 3 is a detail view illustrating the arrangement of one of the ratchet-wheels and its engaging pawl.

In constructing such an operating-table as the one illustrated in the drawings above referred to I provide a heavy supporting-frame, 100, consisting of the main strips or timbers 10, each of which timbers is provided with two vertical posts, 11 and 12, the timbers 10 being united by tie-rods 13, while the posts 11 and 12 of each timber are in turn united and braced by tie-rods 14. Each of the timbers 10 carries a rack, 15, and these racks are engaged by toothed quadrants 20, formed with lugs 16, in which there are formed apertures in order to provide for the passage of bolts 17, by which the table proper 30, is secured to the said quadrants 20. This table, 30 is made of any wood, preferably of oak and pine combined, and in

each end of the table there is a downwardly-folding leaf, 18, hinged to the table by a hinge, 19, and normally held in the position shown in Fig. 1 by a catch or button, 21. To each of the timbers 10 there is secured an eye, 22, other eyes, 23, being fixed to the under side of the table 30 near the edge of the table that is close to the ground when the parts are in the position shown in Fig. 1.

Heavy springs 25 are connected to the eyes 22 and 23 and normally act to draw the table to its vertical position; but in order that the said table may be positively held in the vertical position one or both of the quadrants 20 are provided with a stop, 26, beneath which there is inserted a pin, 27, as shown in Fig. 1. A shaft, 31, is mounted in bearings 32, that are carried by the vertical posts 11, and this shaft is provided with two ratchet-wheels, 32, that are engaged by pawls 33, said pawls being pivotally connected to the posts 11. To the shaft 31 there are rigidly secured two drums, 34, to each of which drums one end of a chain, as 35, is secured, the other end of the chain being secured to the under side of the table 30 at a point near what would be the upper edge when said table is in a vertical position. Upon each end of the shaft 31 there is a crank arm or handle, 36.

Such being the general construction of the apparatus, it will be readily understood that by turning the shaft 31 so that the chains 35 will be wound upon the drums 34 the table 30 will be drawn to the position in which it is shown in dotted lines in Fig. 1—that is, to a horizontal position, it being understood that the pins 27 are to be withdrawn prior to any movement of the shaft 31.

In connection with such a table as has been described any form of harness desired may be employed for the purpose of securing the horse to the table; but I prefer to employ a wide surcingle that is fixed to the face of the table to buckle about the body of the animal. This surcingle is provided with four buckles, two of which are used in connection with a breast-collar that is passed over the head of the horse, while the other two are used in connection with the breeching, which breeching is supplied with the usual form of crupper and is put on in the usual way. The collar described

has a martingale, which passes between the fore limbs and is buckled to the surcingle, thus preventing any slipping of the collar.

5 The feet of the horse are preferably bound to the table by means of hobbles of strong leather, which pass around the limbs below the fetlock-joint. After the horse has been fastened, as described, the table is tilted to the horizontal position.

10 Such an operating-table as I have described could be manipulated by two men instead of four, as in the old way of casting the horse, and as the horse is led up to the table, which should be in the position in which it is shown in Fig.

15 1, all the working parts are concealed, and consequently the suspicions of the animal are not aroused as he is being strapped to the table.

The idea of providing the folding leaves 18 is to permit of the easy performance of any 20 necessary operation upon the hock or knee joint, such as the firing of a horse for spavin.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent, is—

1. In a veterinary operating-table, the combination, with a main supporting-frame provided with racks, of a table-leaf provided with 25 toothed quadrants engaging with said racks, and an operating mechanism, substantially as described.

2. In a veterinary operating-table, the combination, with a supporting stand or frame provided with toothed racks, of a table-leaf provided with toothed quadrants engaging with 30 said racks, springs 25, connecting the table and the stand or frame, chains 35, secured to the table-leaf and to drums 34, said drums, their shaft, ratchet-wheels carried by said shaft, their engaging-pawls, and a crank arm or arms, substantially as described.

MATHEW LEWIS FALING.

Witnesses:

OSCAR H. GORTON,
JOSEPH H. THORP.