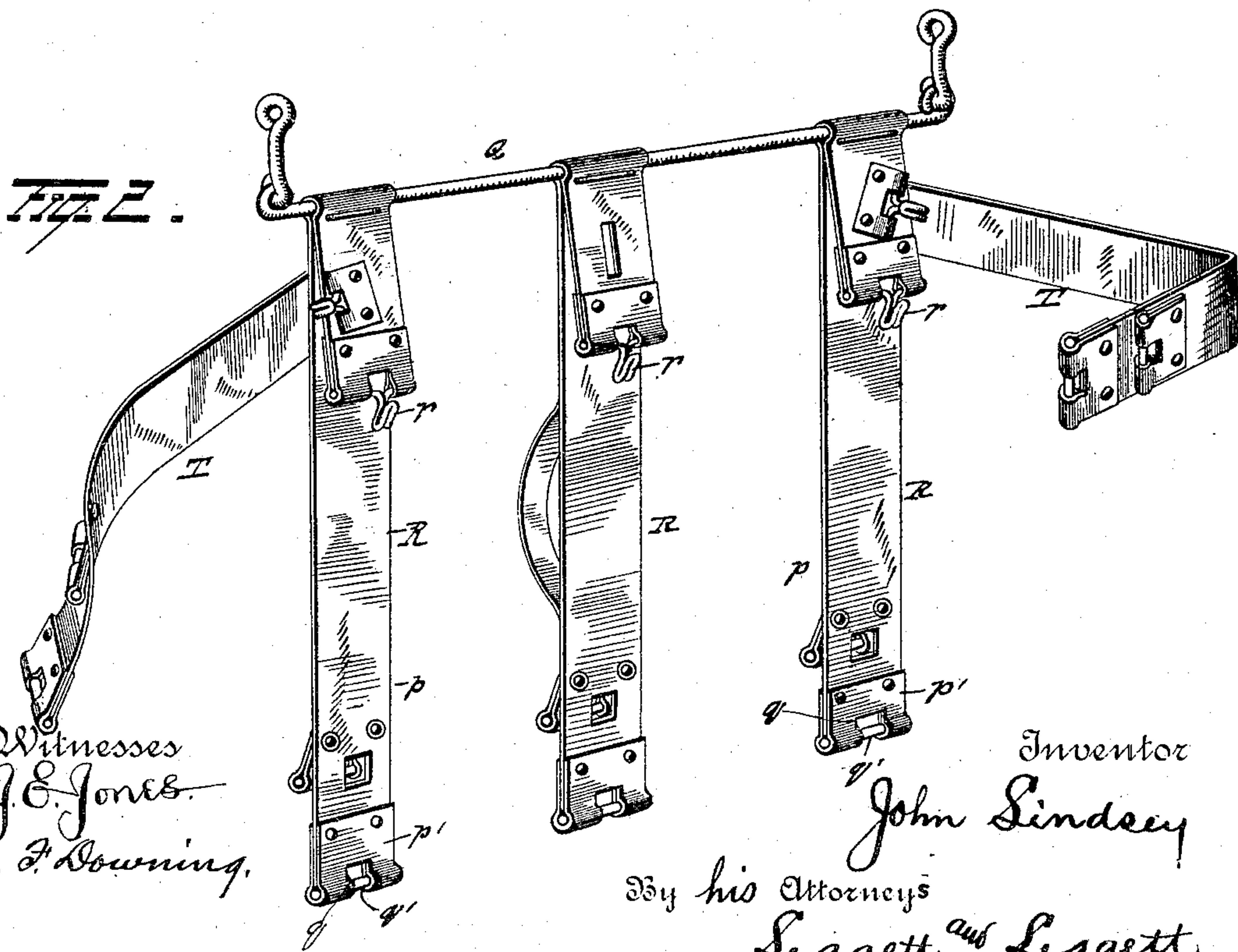
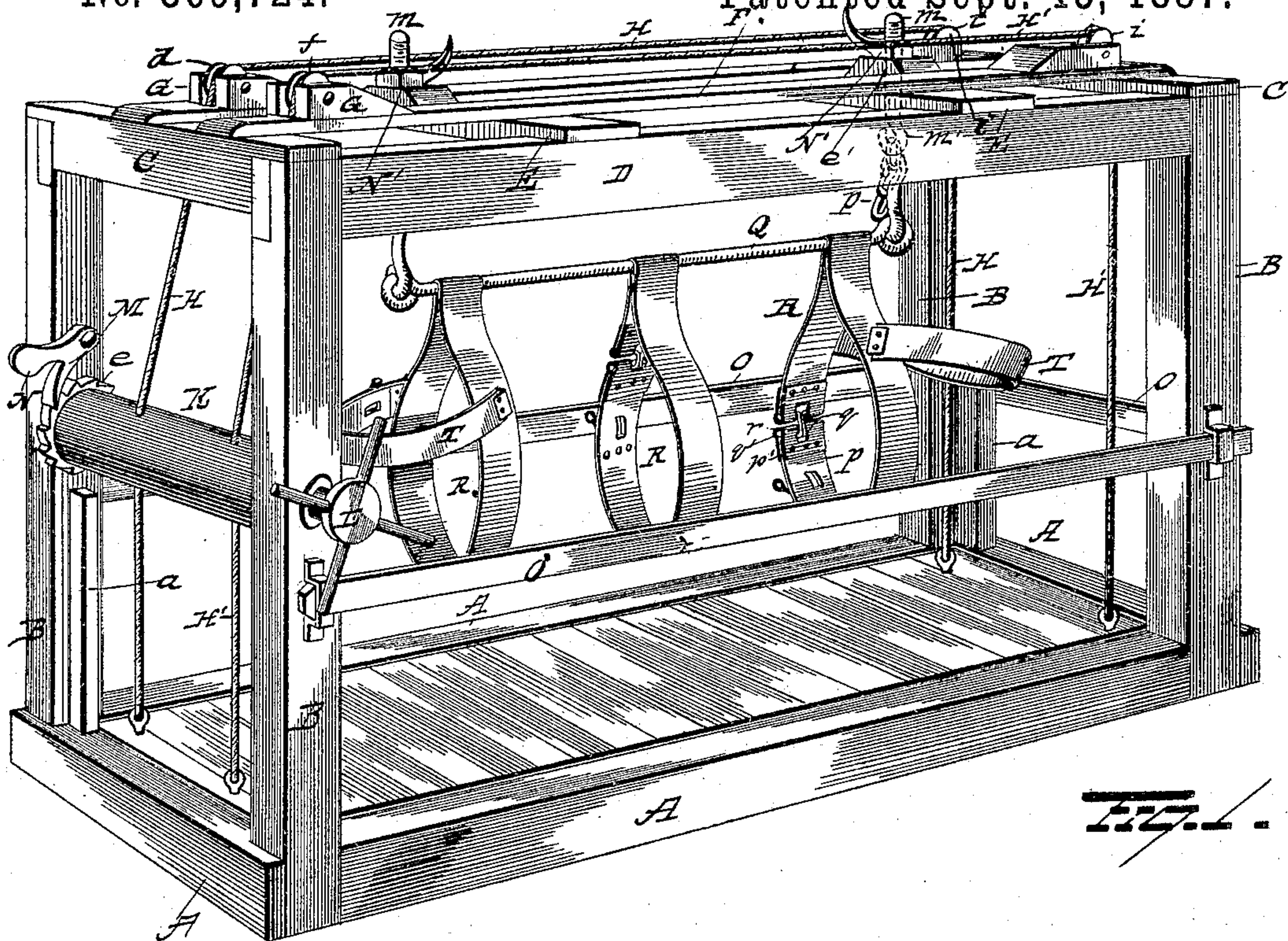


J. LINDSEY.
HORSESHOEING APPARATUS.

Patented Sept. 13, 1887.



Witnesses
J. E. Jones.
G. F. Downing.

Inventor
John Sinscey
By his Attorneys
Leggett and Leggett

UNITED STATES PATENT OFFICE.

JOHN LINDSEY, OF FARMERSVILLE, TEXAS.

HORSESHOEING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 369,724, dated September 13, 1887.

Application filed May 6, 1887. Serial No. 237,340. (No model.)

To all whom it may concern:

Be it known that I, JOHN LINDSEY, of Farmersville, in the county of Collin and State of Texas, have invented a certain new and useful
5 Improvement in Horseshoeing Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the
10 same.

My invention relates to an improvement in horseshoeing apparatus.

The object is to provide an apparatus for suspending horses in convenient and comfortable position to be operated upon by a blacksmith.

A further object is to provide a stout, simple, and inexpensive apparatus which may be readily constructed and repaired, and one
20 which may be quickly operated.

With these ends in view my invention consists in certain features of construction and combination of parts, as will be hereinafter fully described, and pointed out in the claims.

25 In the accompanying drawings, Figure 1 is a view in perspective of my improved apparatus. Fig. 2 is a detached view of the harness.

A represents the base of the frame, and B a set of uprights erected at the corners thereof. These uprights are connected at their upper ends by cross-bars C and longitudinal stringers D. Cleats *a* are preferably secured to the uprights to confine the elevator-platform in
35 place, and yet allow it to freely slide up and down. Transversely across the top of the frame the bars E extend, said bars having an enlarged or re-enforced middle portion. The longitudinal strips F extend across the top of the frame,
40 having their middle portions resting on and supported by the bars E. Preferably on these longitudinal strips F the blocks G are affixed, each of which has a sheaf, *d*, journaled therein. These blocks G might be otherwise supported
45 with equal effect.

An elevator-platform is located in the space formed by the base of the frame, and adapted to reach between the vertical cleats *a*. To the corners of this platform-elevator cords, ropes,
50 or wires H H' are attached through staples, or in any other suitable manner, and thence the

former pair, H, of these are strung over the grooved peripheries of the sheaves *d* above, thence longitudinally of the frame over the remaining sheave, *d*, then downward to a windlass K, where they are secured. The cords or ropes
55 H', at the opposite side of the platform, also extend upward to points opposite the points of attachment of the ropes or cords H on the windlass K. Said windlass K is journaled,
60 preferably, in a pair of the uprights at one end of the apparatus, and to one end of this windlass the handles L are attached, while at the opposite end of the windlass a ratchet-wheel, *e*, is rigidly secured. A gravity latch, M, hav-
65 ing the weighted outwardly-projecting arm N, is pivoted to the upright, and adapted to normally rest in engagement with the teeth of the ratchet-wheel *e*. Side and end bars, O, are removably secured to the uprights, serving as
70 a fence for confining a vicious animal within proper bounds.

Through perforation *e'*, in the enlarged portion of bars E, the bolts *m* extend, said bolts having an eye, *m'*, formed in the lower end and
75 screw-threaded at the opposite end to receive the handle-nut N', by means of which the eye of the bolts may be raised or lowered. Depending from the bolts there are chains or
80 similar devices, P.

The harness consists of a bar, Q, with eyes or hooks at each end, by means of which it may be secured to the chains P, and mounted on this bar Q are the belts R. These belts are preferably three in number. I ordinarily de-
85 sire to construct them of a double thickness of duck or leather of considerable breadth. Each belt is lapped, preferably, over the bar Q, with one end longer than the other, the longer end, *p*, being provided with one or more slots or
90 eyes, *q*, formed in the locking-plates *p'*. The slot in this case is formed by means of an opening in the plate and a pintle, *q'*, extending across its edge. Several of these devices may be employed, and by this means the belts are adapted
95 to different-sized horses. Similar plates to those described, are secured to the shorter ends of the belts, in which hooks *r* are secured in place of the pintles in the former plates. The position of these parts might be reversed
100 and other means might be employed for fastening the ends of the belts together about the

belly of the horse. To the middle belt one or more loops, P, are secured, in which to place the front or hind feet of the horse. To the outer of these three belts the end belts, T, are attached. These belts are similar to those described, and extend, respectively, around the breast and buttock of the horse.

In operating the apparatus the animal is elevated with the harness secured about his body until the harness is hooked to the chain, when the pawl or latch M is removed from its engagement with the ratchet-wheel, allowing the windlass to revolve and lowering the elevator by its own weight from the feet of the animal, leaving the latter suspended in a desirable and easy position in the air.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention; hence I do not wish to limit myself to the particular construction herein set forth; but,

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

1. The combination, with an elevator-platform and devices for raising and lowering the same, of a harness suspended above the platform, substantially as set forth.

2. The combination, with an elevator-platform and devices for raising and lowering the

same, of a pair of adjustable bolts located above the platform, and a harness consisting of a bar and a set of belts suspended from said bolts, substantially as set forth.

3. The combination, with an elevator-platform, a windlass, ropes secured to the platform and attached to the windlass, and devices for locking the windlass against rotation, of a harness suspended above the platform, substantially as set forth.

4. The combination, with a rectangular frame, an elevator-platform located therein, a windlass, and flexible devices connecting the platform and windlass, of a horizontal rod secured to the frame above the platform, and a harness suspended from said rod, substantially as set forth.

5. In an elevating apparatus, a harness consisting, essentially, of a main supporting-bar, a set of belts mounted thereon, the middle belt having a loop or loops for the horses' feet, and the front and rear end belts secured, respectively, to the front and rear belts, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN LINDSEY.

Witnesses:

B. F. HINES,
GEO. HARDIN.