

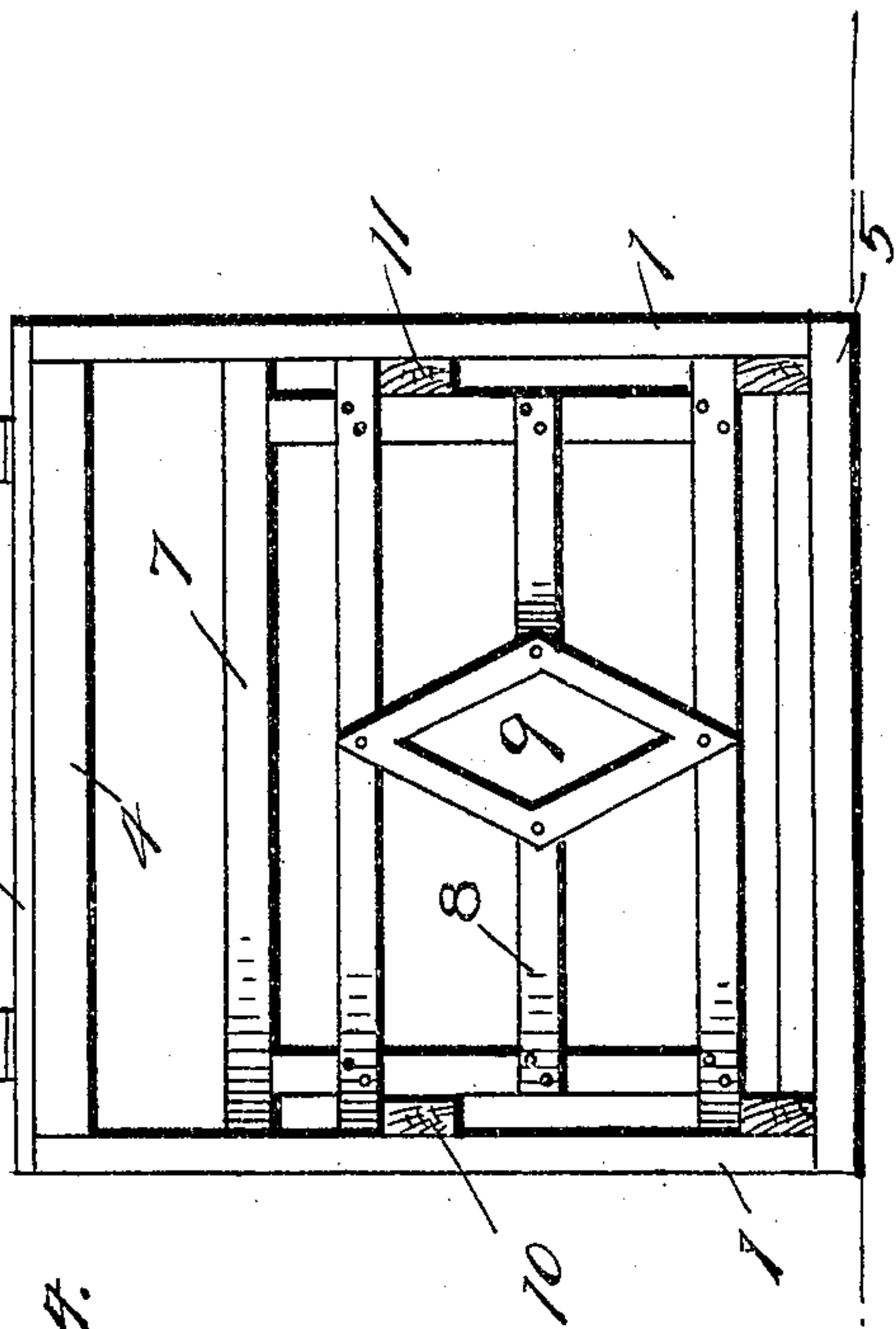
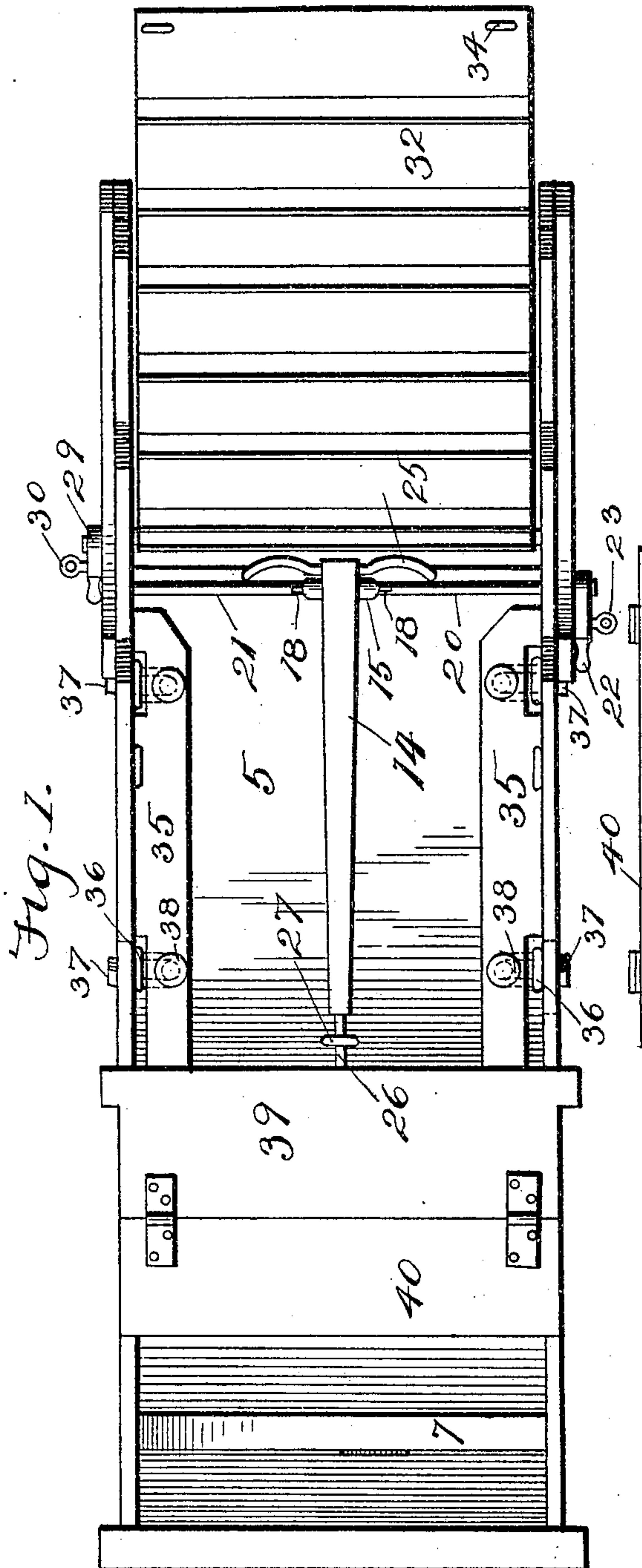
No. 795,435.

PATENTED JULY 25, 1905.

A. B. GARRISON.
ANIMAL HOLDING APPLIANCE.

APPLICATION FILED MAR. 9, 1905.

3 SHEETS—SHEET 1.



Witnesses

M. R. Taylor
Herbert D. Lawson

Inventor

A. B. Garrison

By W. S. Fitch
Attorney

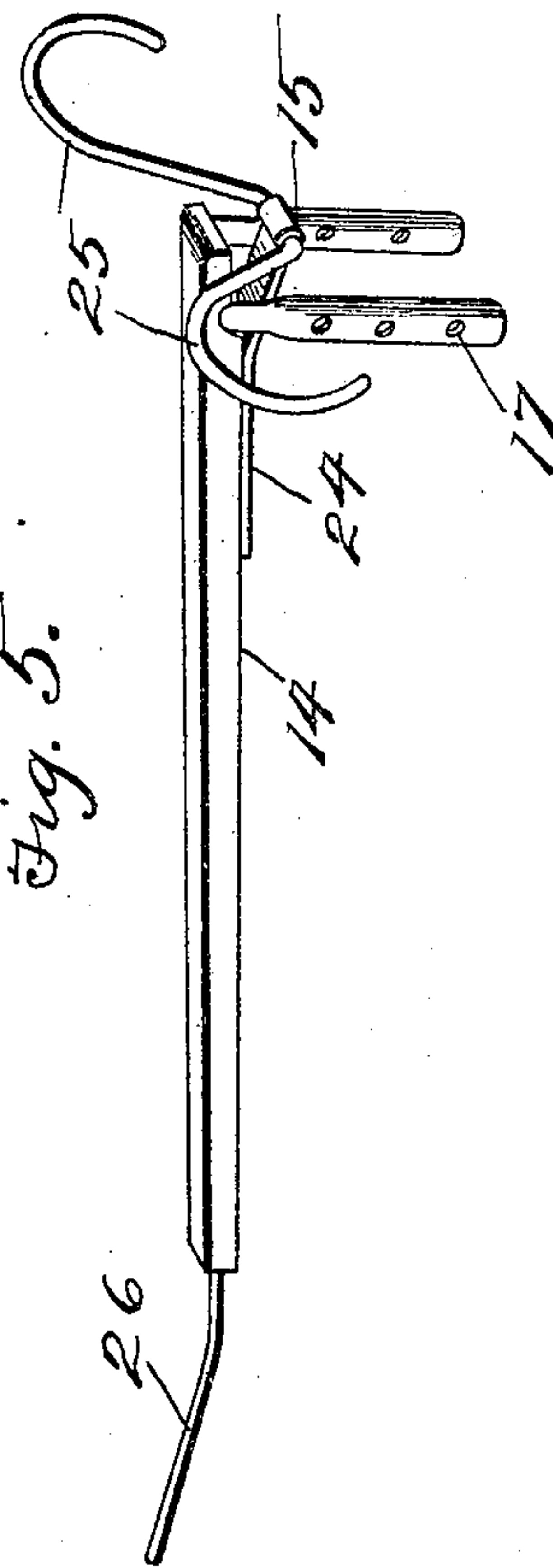
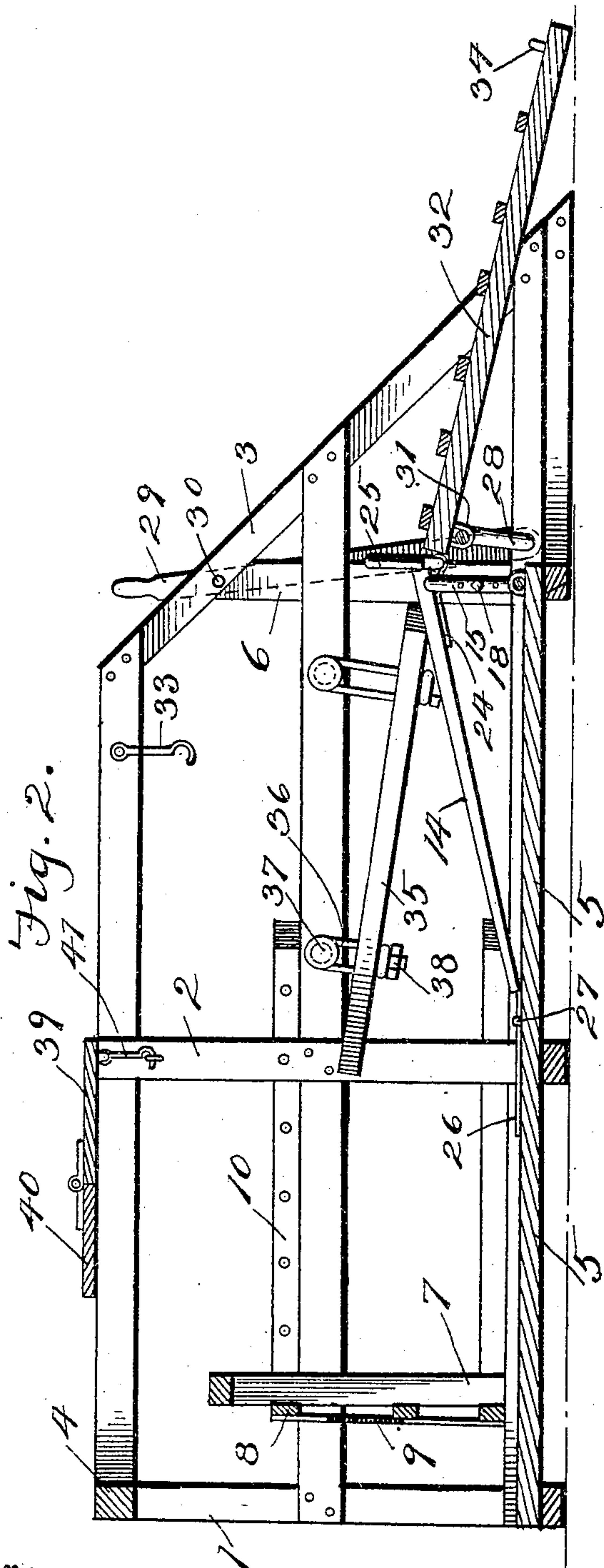
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Herbert D. Lawson

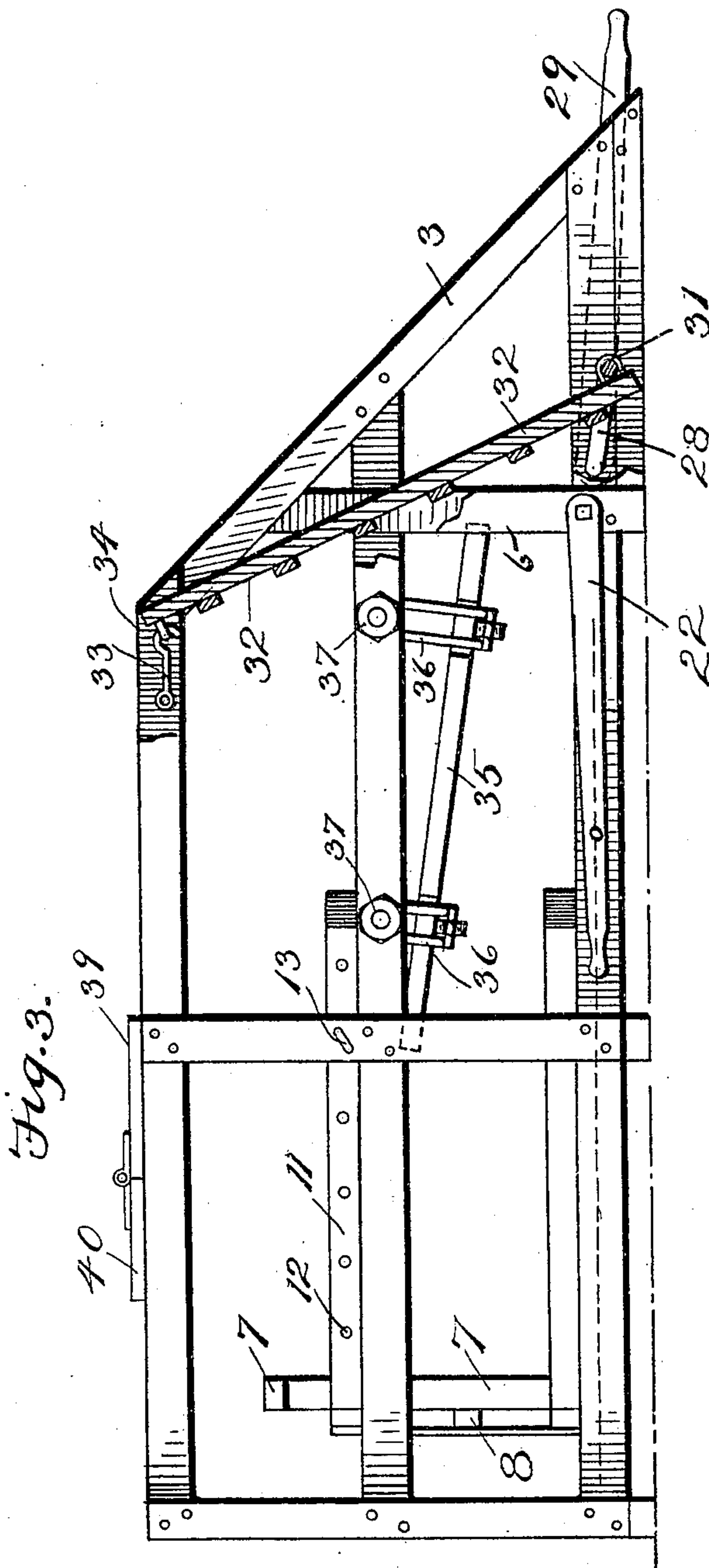
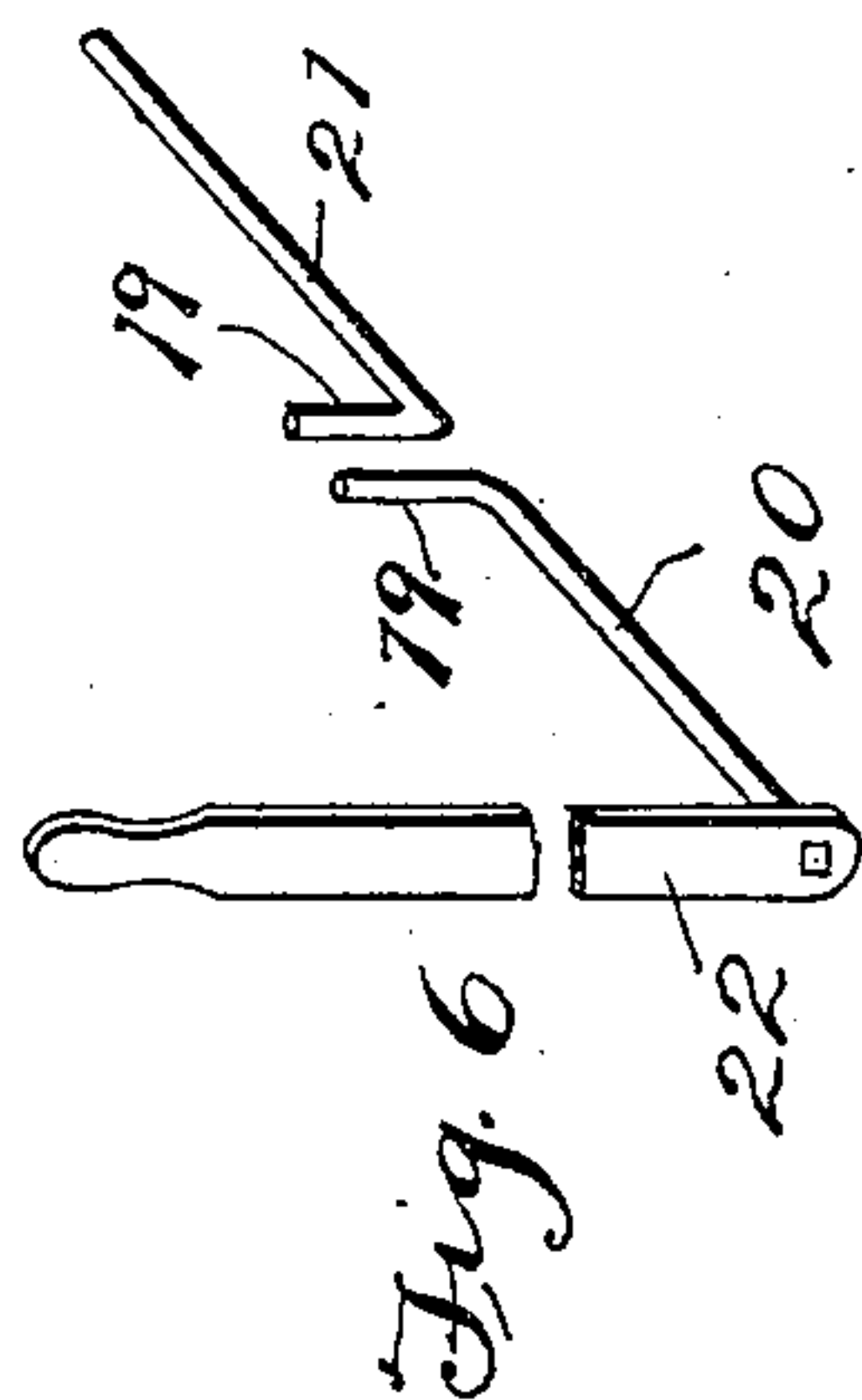
Inventor
A.B. Garrison.

By W.S. Fitzgerald & Co.,
Attorneys

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3 SHEETS—SHEET 3.



Inventor

A. B. Garrison

Witnesses

W. R. Taylor.

Herbert D. Lawson.

By *W. J. Fitzgerald & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

ALFRED B. GARRISON, OF BEATTIE, KANSAS.

ANIMAL-HOLDING APPLIANCE.

No. 795,435.

Specification of Letters Patent.

Patented July 25, 1905.

Application filed March 9, 1905. Serial No. 249,263.

To all whom it may concern:

Be it known that I, ALFRED B. GARRISON, a citizen of the United States, residing at Beattie, in the county of Marshall and State of Kansas, have invented certain new and useful Improvements in Animal-Holding Appliances; 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 same.

My invention relates to a combined animal breeding and holding crate; and it consists of certain novel features of combination and construction of parts, the preferred form whereof will be hereinafter clearly set forth, and pointed out in the claims.

The prime object of my invention, among others, is to provide an appliance of the character specified which will be very simple in construction and which, therefore, may be manufactured at a comparatively small cost and at the same time prove reliably efficient in its various uses.

Other objects and advantages will be hereinafter made clearly apparent, reference being had to the accompanying drawings, which are considered a part of this application, and in which—

Figure 1 is a plan view of my improved crate. Fig. 2 is a central vertical section there-through. Fig. 3 is partly a side elevation and partly a section of the crate, showing the positions of the parts when the device is used in the operation of "ringing." Fig. 4 is an end elevation of the crate. Fig. 5 is a detail view of the straddle-bar detached, and Fig. 6 is a detail view of the shaft of the straddle-bar with its yoke detached.

In order to conveniently refer to the various details of my invention and accessories deemed necessary to cooperate therewith, numerals will be employed, the same numeral applying to a similar part throughout the several views, and, referring to the numerals on the drawings, 1, 2, and 3 indicate uprights, the part 3 being preferably inclined, said parts being duplicated on each side of the crate or holding appliance and are connected to the cross-bars or horizontal sections 4 and to the base member 5, there being any preferred number of said horizontal sections 4 deemed necessary.

The inclined end sections 3 are each properly braced and sustained by the upright or bracing member 6, whereby great rigidity and firmness is imparted to the framework.

By reference to Fig. 4 it will also be observed that the head 7 of the crate is provided with bars 8, connected to the sides of an elongated angular opening 9 to accommodate the nose of the animal, said head 7 having the anchoring-sections 10 and 11, the latter being provided with a plurality of apertures 12, designed to be brought into registration with an aperture in the upright 2, whereby the pin 13 may be entered to hold the head 7 in an adjusted position. I also provide a straddle-bar 14, which is detachably connected to the yoke 15, the opposite arms of which are tubular and provided with apertures 17 for the reception of set-screws 18, adapted to secure the yoke upon arms 19, projecting from the adjoining ends of shaft-sections 20 and 21. A lever 22 is secured to one of these sections for manually rotating the shaft and the yoke thereon and a locking-pin 23, extending through the shaft and into engagement with one of the standards 6 for the purpose of holding the lever against movement after the yoke 15 has been raised into an upright position. The straddle-bar has a retaining-plate 24 projecting therefrom at a point adjacent to the yoke 15, said plate serving to hold the bar upon the yoke. It also serves as a support for oppositely-extending curved holding-arms 25, which are for a purpose hereinafter more fully described.

A rod 26 extends from the lower end of the straddle-bar and is slidably mounted within the staple 27 or other suitable guiding devices arranged upon the bottom 5 of the crate.

Journaled within the sides of the crate at points adjacent the shaft-sections 20 and 21 is a crank-shaft 28, having an operating-lever 29 at one end, by means of which said shaft can be rotated. A locking-pin 30 is employed for securing this lever to the standard 6, so as to prevent movement thereof after it has been raised to the desired point. Engaging the crank of the shaft 28 are straps 31, which extend from one edge of the tread-board 32.

When the crank of the shaft 28 is at its lowest position, the tread-board is substantially in alinement with the bottom 5 of the crate and can then be swung upward on the crate, so as to close one end of the crate, as shown in section in Fig. 3, and when in such position the tread-board can be securely fastened by means of hooks 33 engaging staples 34 on the board or by employing any other preferred forms of fastening devices.

By raising the crank-shaft into the position

shown in Fig. 2 the tread-board can be inclined so that its inner edge is supported adjacent one end on the foot-rests 35, arranged within the crate. One of these foot-rests is suspended from each side of the crate, and each consists of a strip supported adjacent its ends by means of L-shaped hangers 36, each of which is adjustably secured to the side of the crate by means of the clamping-bolt 37 and to the bottom of the foot-rests by means of a clamping-bolt 38. The hangers are slotted from one end to the other, and it is therefore obvious that the foot-rests can be adjusted to any desired inclinations and heights.

A cover 39 is hinged to the cross-strip 40, arranged on the crate and extending partly over the foot-rests 35. This cover may be secured in place by hooks 41 or other suitable securing device.

As hereinbefore stated, the device herein described is adapted for use as a breeding-crate and also as a holding device during the operation of ringing hogs. When used for the first-mentioned purpose, the tread-board 32 is lowered until level with the bottom 5, and the shaft-sections 20 and 21 are rotated until the straddle-bar 14 is brought into a substantially horizontal position. The sow is then driven over the board 32 and into the crate and the straddle-bar is then raised so as to assume a position between its hind legs and with the holding-arms pressed against the rear legs so as to prevent the animal from backing from the crate. The head 8 is then slid longitudinally within the crate until the opening 9 receives the snout of the animal. Subsequent to this operation the tread-board 32 is raised into an inclined position, as shown in Fig. 2, and the boar is driven up it and upon the foot-rests 35. The crank of shaft 28 is then lowered and the tread-board 32 is swung up and locked, as shown in Fig. 3. To remove the boar, the tread-board is lowered and placed in an inclined position, so as to permit him to back out from the foot-rests, and the head is then removed to enable the sow to leave the front end of the crate.

When it is desired to utilize the crate for holding a hog during the ringing process, the straddle-bar 14 is removed by loosening the set-screws 18 from engagement with the stems 19 and shaft-sections 20 and 21. The rod 26 can then be slid from its guide 27 and the entire straddle-bar and yoke taken from the crate. The animal to be operated upon is then driven over the horizontal tread-board 32, and said board is then locked in such position as shown in Fig. 3. The head 8 is subsequently slid inward until the animal is firmly wedged between the tread-board and the head, with its snout in the opening 9, and the ringing operation can then be conducted without any resistance on the part of the animal.

It will thus be seen that I have provided reliably efficient means for securely holding

an animal in position, and while I have described the preferred combination and construction of parts deemed necessary in carrying out my invention I desire to comprehend in this application all substantial equivalents and substitutes.

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

1. The combination with a crate-body having a longitudinally-adjustable head; of foot-rests upon the sides of the crate, a tread-board, and means for supporting the same in close proximity to the foot-rests, said tread-board being adapted to close one end of the crate.

2. A crate having an adjustable head in one end thereof, adjustable foot-rests upon the sides of the crate, and a tread-board adapted to be supported in close proximity to the foot-rests, said tread-board being adapted to be adjusted to close one end of the crate.

3. A crate having an adjustable apertured head in one end, adjustable foot-rests supported within said crate at the sides thereof, a crank-shaft and a tread-board supported by said shaft and adapted to be adjusted into close proximity to the foot-rests or to close one end of the crate.

4. A crate having an adjustable apertured head, a tread-board movably connected to the crate and adapted to close one end thereof, foot-rests adjustably secured within the crate at opposite sides thereof, the tread-board being adapted to assume a position in close proximity to the foot-rests.

5. The combination with a crate, of shaft-sections rotatably mounted therein and having integral stems, a yoke mounted upon the stems, and a straddle-bar slidably mounted upon the crate, and secured to the yoke.

6. The combination with a crate, of shaft-sections rotatably mounted therein and having integral stems, a yoke mounted upon the stems, a straddle-bar secured to the yoke and slidably mounted upon the crate, and holding means extending from the straddle-bar.

7. The combination with a crate, of a rotatable shaft therein, a straddle-bar adjustably connected to the shaft and adapted to be raised and lowered during the rotation thereof, said bar being slidably mounted upon the crate.

8. The combination with a crate, of a rotatable shaft therein, a straddle-bar adjustably connected to the shaft and adapted to be raised and lowered during the rotation thereof, said bar being slidably mounted upon the crate, and holding means extending laterally from the straddle-bar adjacent its point of connection with the shaft.

9. The combination with a crate having an adjustable head in one end and a tread-board adjustably mounted in the other end of the crate and adapted to close said end; of a shaft journaled within the crate, a straddle-bar adjustably connected thereto and adapted to be

raised and lowered during the rotation of the shaft, one end of said bar being slidably mounted upon the crate, and holding means at one end of the straddle-bar.

10. Holding means for crates of the character described comprising rotatable shaft-sections having stems thereon, a yoke adjustably mounted upon the stems, a straddle-bar bearing upon the yoke and supported thereby, a guide-rod at one end of the bar, and op-

positely-extending holding-arms at one end of the bar.

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

ALFRED B. GARRISON.

Witnesses:

GEO. LOCH,
F. G. BERGEN.