

H. R. KANEASTER.
CHICKEN ROOST.
APPLICATION FILED APR. 1, 1909.

934,075.

Patented Sept. 14, 1909
2 SHEETS—SHEET 1

Fig. 1.

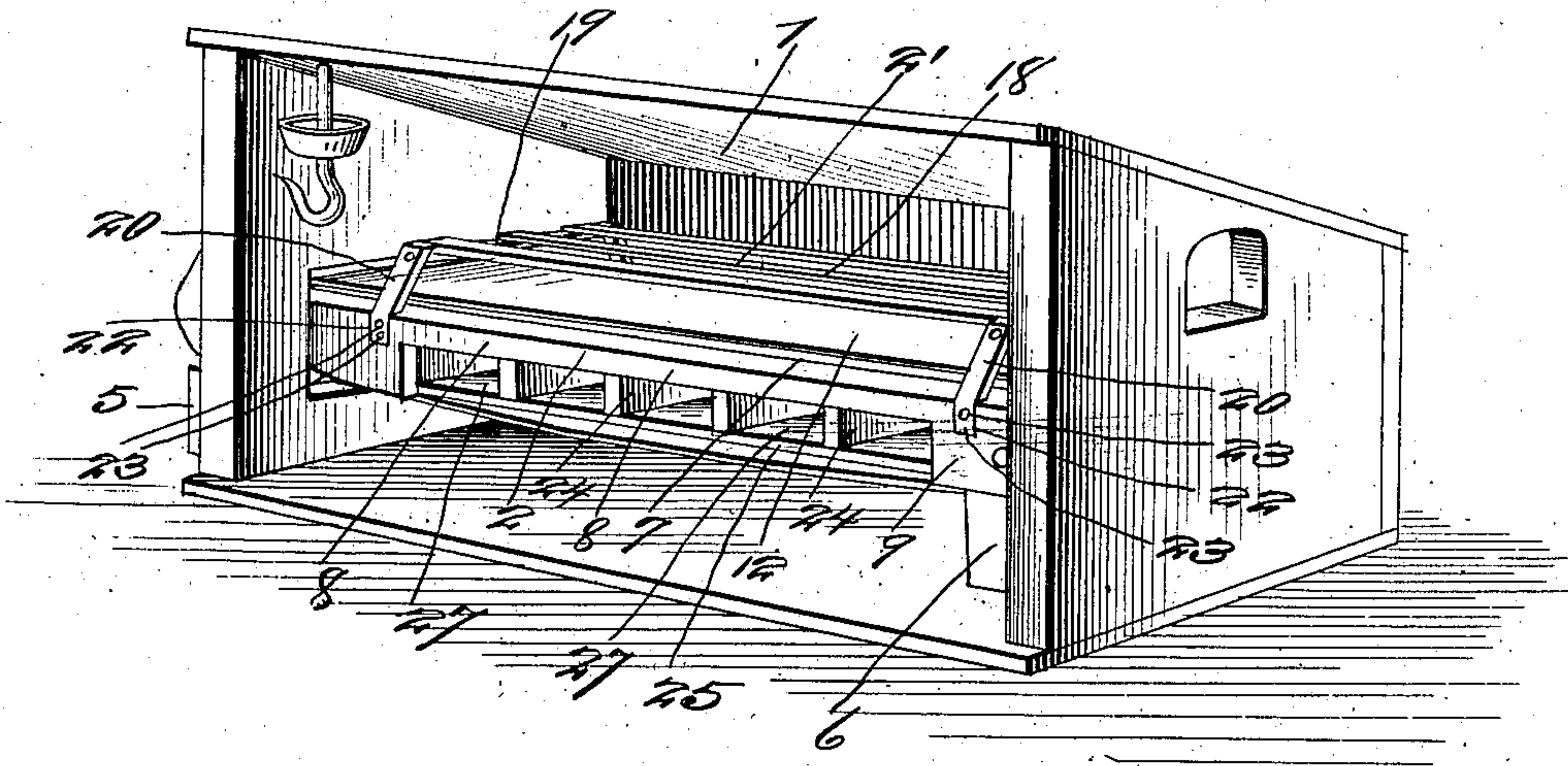
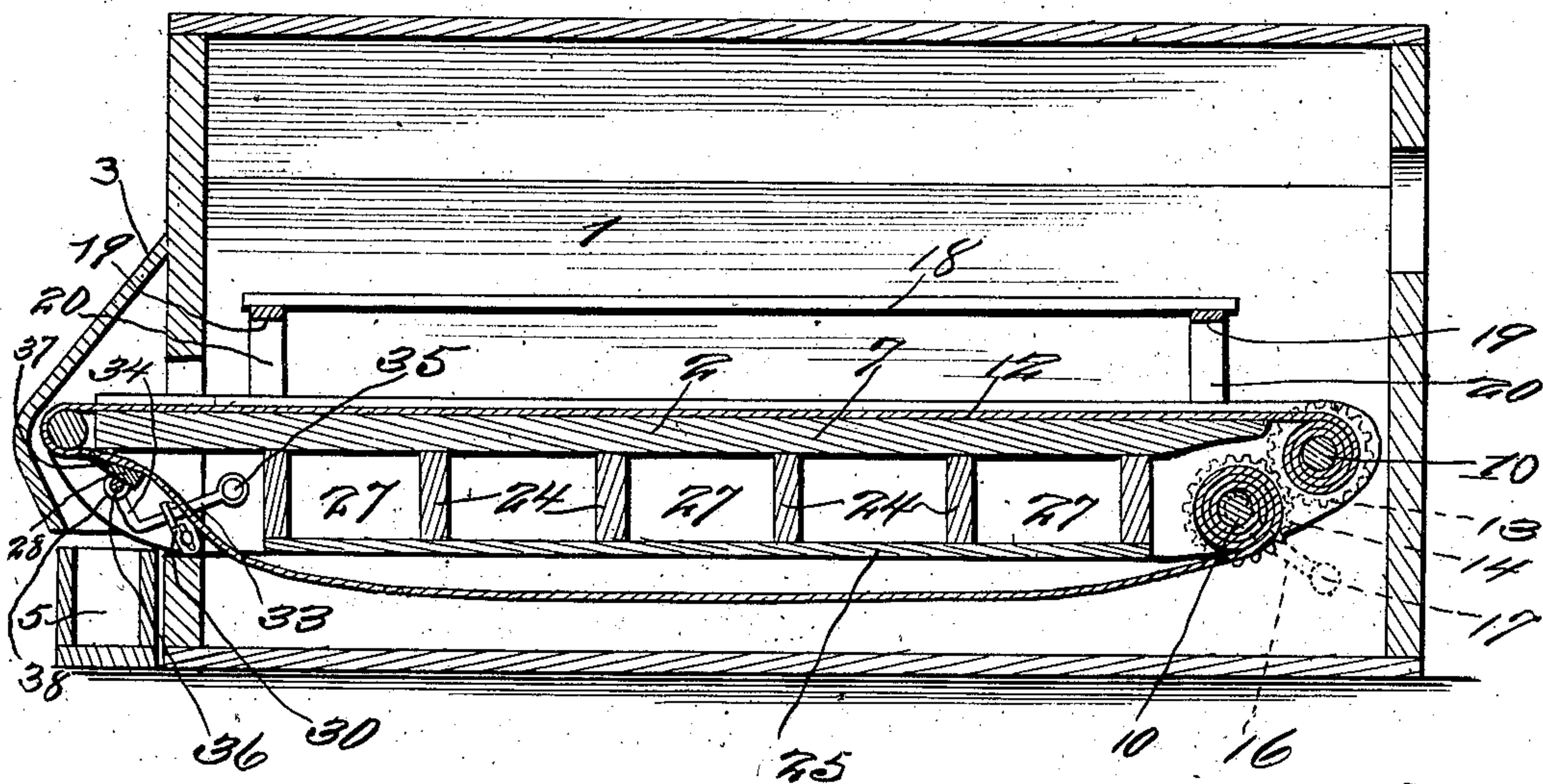


Fig. 2.



Witnesses

J. H. Brown
Mr. Mc Grange

Inventor

H. R. Kaneaster

By *D. Swift & Co.*

Attorneys

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Fig. 3.

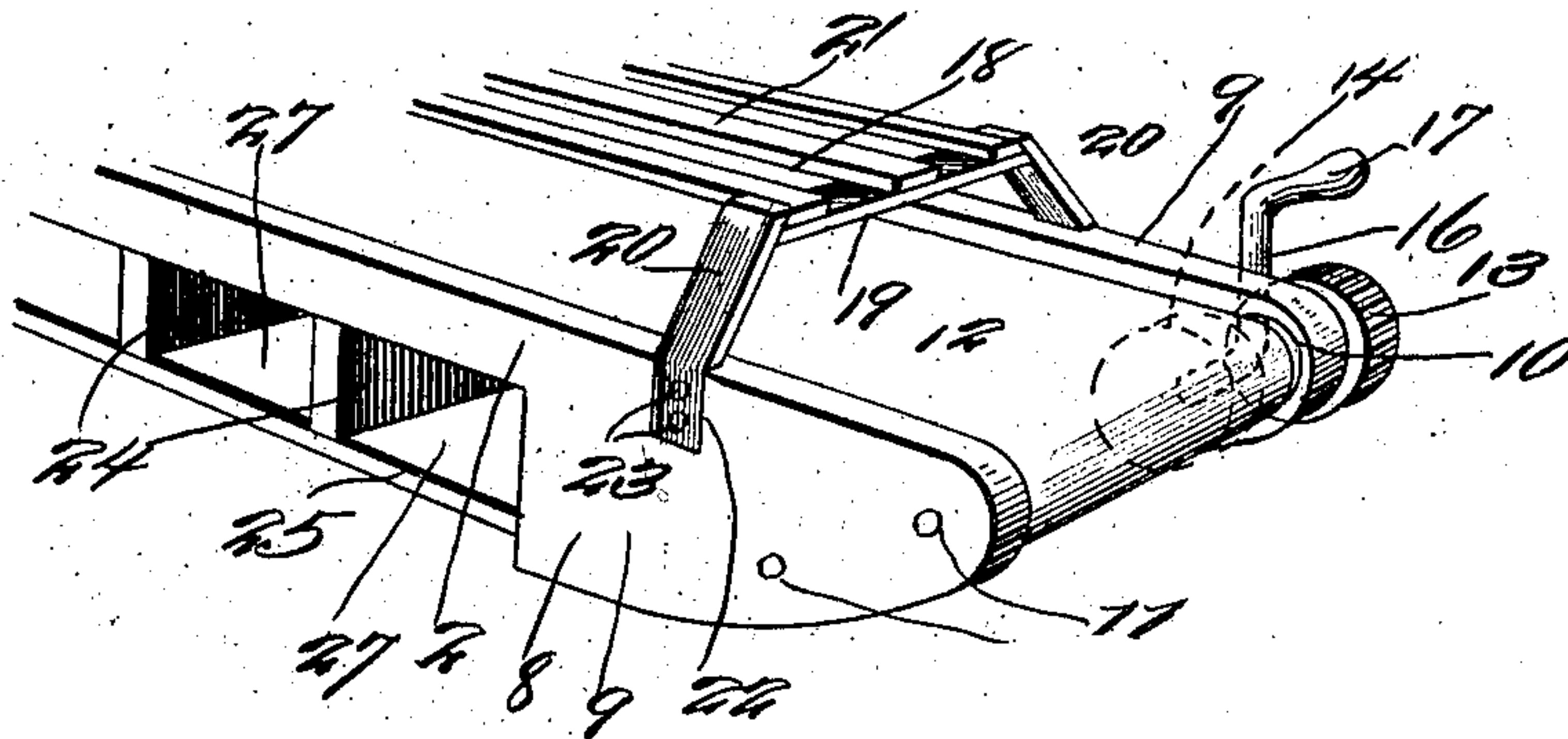


Fig. 4.

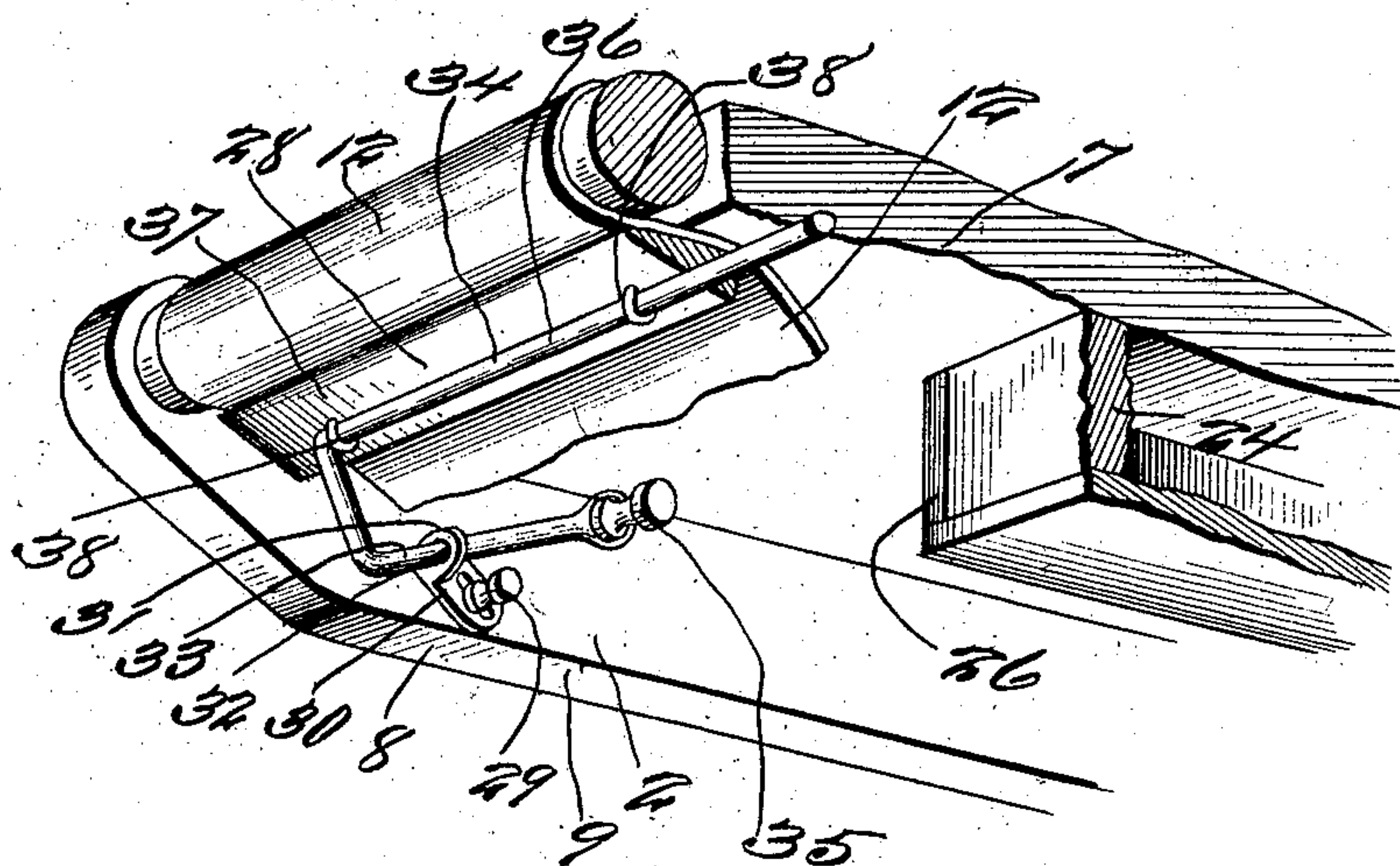
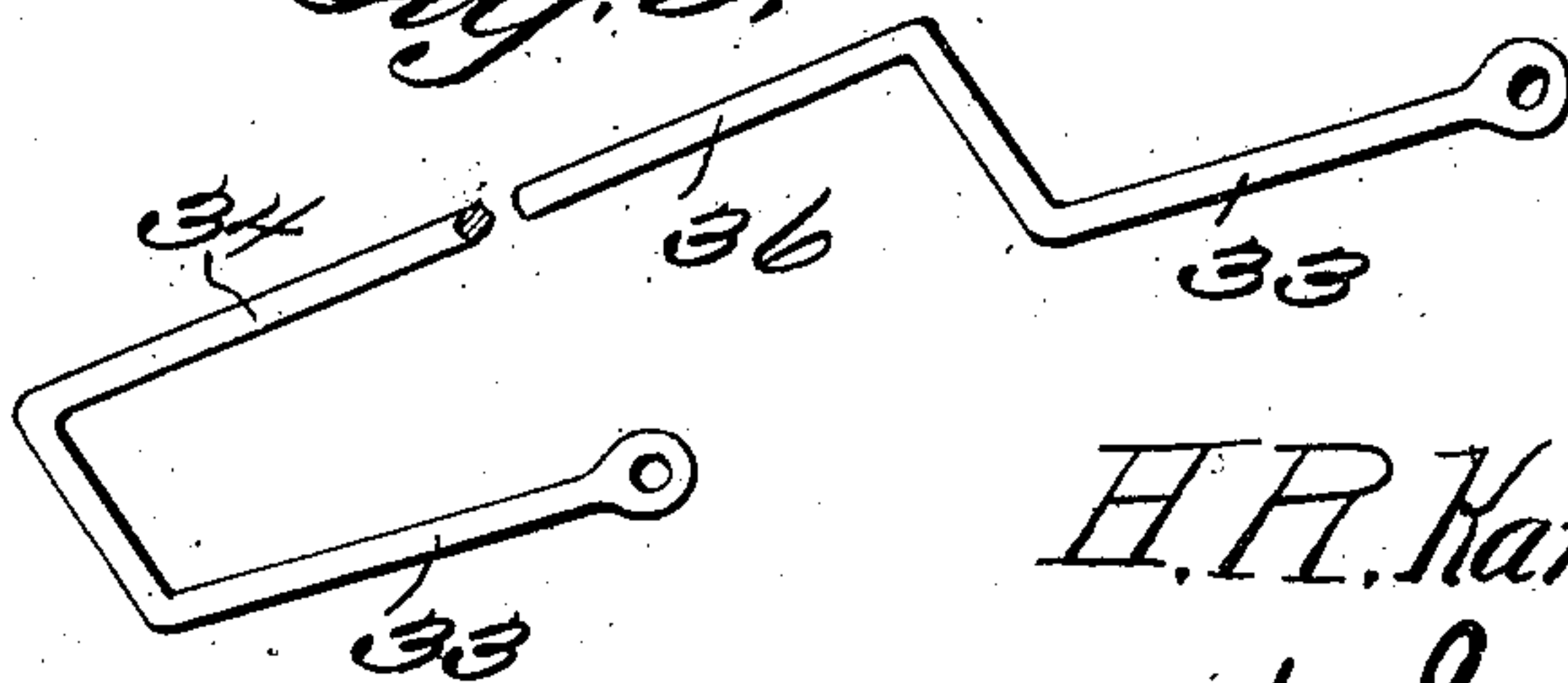


Fig. 5.



Witnesses
J. P. Maxwell
M. Mc Grange

Inventor
H. R. Kaneaster
By *D. Swift & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

HENRY R. KANEASTER, OF BROWNWOOD, TEXAS.

CHICKEN-ROOST.

934,075.

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Application filed April 1, 1909. Serial No. 487,313.

To all whom it may concern:

Be it known that I, HENRY R. KANEASTER, a citizen of the United States, residing at Brownwood, in the county of Brown and State of Texas, have invented a new and useful Chicken-Roost; 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.

This invention belongs to the art of chicken roosts, and it particularly pertains to a new and useful device of this character, which embodies features of such a nature, so as to render it substantially sanitary.

The essential object of the invention is to provide a device of this design, having novel means for receiving and removing all excrement of the fowls that is voided while they are roosting, such means being readily scraped, as it is removing the excrement or droppings, which are discharged into a suitable receptacle.

A further object of the invention is to provide a frame for supporting the said receiving and removing means, said receiving and removing means comprise an apron, either end of which is engaged about rollers, which are provided with intermeshing gears, so as to cause the rollers to rotate toward or away from one another, thereby causing the apron to rotate in one direction or the other.

A further object is to construct the scraping means for the apron in such a manner as to cause it to closely engage the apron automatically, that is to say when the apron is removing the droppings toward the receptacle. Said scraping means is provided with adjustable devices, whereby it may be adjusted toward or away from the apron.

A further object of the invention is the provision of a frame-work, upon which chickens may roost and also compartments located in the apron supporting frame, in which the chickens may lay.

The features and elements, and the arrangement thereof, for accomplishing the objects of this device or apparatus, may be changed and varied, that is to say, in a practical application of the invention, with an understanding that the changes and variations accruing from said application are limited to the scope of the appended claim.

Other objects and advantages will readily appear, as the invention is further described, and the novel features of the details of con-

struction will be pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of a chicken roost embodying the features of the invention. Fig. 2 is a longitudinal sectional view, clearly disclosing the detail construction of the apron supporting means, the compartments in which nests may be disposed, and the novel means for scraping the apron when the same is moved in one direction for removing the droppings. Fig. 3 is a perspective view of the apron supporting frame removed from the inclosure or casing. Fig. 4 is a detail perspective view showing the novel adjusting means, by which the scraping device is adjusted. Fig. 5 is a perspective view of the member 34.

In regard to the annexed drawings, where- in similar reference characters represent corresponding parts in the several illustrations, 1 designates an inclosure or casing, in which an apron supporting frame 2 is disposed. This inclosure or casing 1 is provided at one end with an extension 3, the lower portion of which is opened as at 4.

In practical use of this invention, a suitable receptacle 5 is disposed beneath the open end of the extension, in which the droppings or excrement may be deposited, as is clearly shown in the drawings.

The apron supporting frame is mounted upon suitable supports or lugs 6, which project from the inner portion of the casing. This apron supporting frame comprises a central piece 7, to either edge of which strips 8 are fixed. These strips 8 form suitable flanges 9, and in the said flanges, at one end of the frame, rollers 10 are journaled in suitable bearings 11. About these rollers the free ends of the apron 12 engage, so as to allow the apron to move in one direction or the other, as the rollers are rotated. These rollers are rotated through the medium of the intermeshing gears 13 and 14. To the extension 15 of one of the rollers, on which the gear 14 is mounted, a crank 16 is connected, by which the rollers and the apron may be operated. This crank extends through an opening in the inclosure or casing 1, and is provided with a handle 17. Secured to the strips which form the said flanges of the apron supporting frame, is the frame-work 18, upon which chickens may roost. This frame-work comprises the transverse strips 19, the downwardly pro-

jecting side strips 20, and the longitudinal strips 21 which extend across the transverse strips 19, as is clearly shown in the drawings. The downwardly projecting side strips 5 20 are secured in recesses 22, of the strips forming the flanges of the apron supporting frame, by means of suitable bolts, screws or other fastening means 23, as clearly illustrated in the perspective view of the apron 10 supporting frame or rack.

Secured to the under face of the central piece 7 of the apron supporting frame or rack, are a plurality of divisional strips 24, to the lower faces of which, a plate or mem- 15 ber 25 is secured, and to the rear faces of the divisional strips 24, a strip 26 is securely fastened, thus forming a plurality of compartments 27. In these compartments nests for the chickens may be disposed, and in 20 which the chickens may lay, as well as hatch the young.

In course of time as the apron is covered with droppings, the same becomes slightly thicker, and the means 28 for scraping the 25 apron is designed to be adjustable through the thumb nuts 29. These thumb nuts as shown fasten the angle plates 30 to the flanges of the apron supporting frame, and by loosening or tightening the said thumb 30 nuts, the said angle plates may be adjusted in various positions. These angle plates are provided with lateral extensions 31 in which apertures 32 are provided to receive the resilient arms 33 of the U-shaped member 34, 35 as shown clearly in the drawings. These resilient arms are pivoted to the side flanges of the apron supporting frame by means of the bolts or pins 35. The transverse piece or portion 36 of the U-shaped member has

pivoted thereto a scraper block or strip 37, 40 the tendency of which is to bear against the apron, as it is moved in one direction, and when moved in the opposite direction, the said scraper block or strip 37 is automatically thrown away from the apron, thereby 45 allowing the same to move freely. This scraper block or strip 37 is pivoted to the said piece or portion 36 by means of the U-shaped members or staples 38. In pivoting this block or strip 37 in this manner, 50 the same is allowed to have a slight oscillatory movement, thereby allowing the said strip to move to or from the apron.

From the foregoing, the essential features, elements and the operation of the device, 55 together with the simplicity thereof, will be clearly apparent. A suitable screen hook, oil-cup and swinging roost is provided upon the interior of the inclosure or casing 1.

Having thus fully described the invention, 60 what is claimed as new and useful is:—

In a chicken roost, a movable apron, rollers therefor, a supporting frame therefor, a U-shaped member having resilient arms, a 65 pivoted scraper block or strip carried by the U-shaped member, angle members having apertures to receive the resilient arms, means for adjusting the angle members, thereby adjusting the U-shaped member and its scraping block or strip, and means for 70 simultaneously operating the rollers.

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

HENRY R. KANEASTER.

Witnesses:

J. B. CLOPTON,
T. E. WITCHER.