No. 727,591. PATENTED MAY 12, 1903.

J. H. COOK.

SLAUGHTERING APPARATUS.

APPLICATION FILED DEC. 23, 1901.

NO MODEL.

Fig. 1

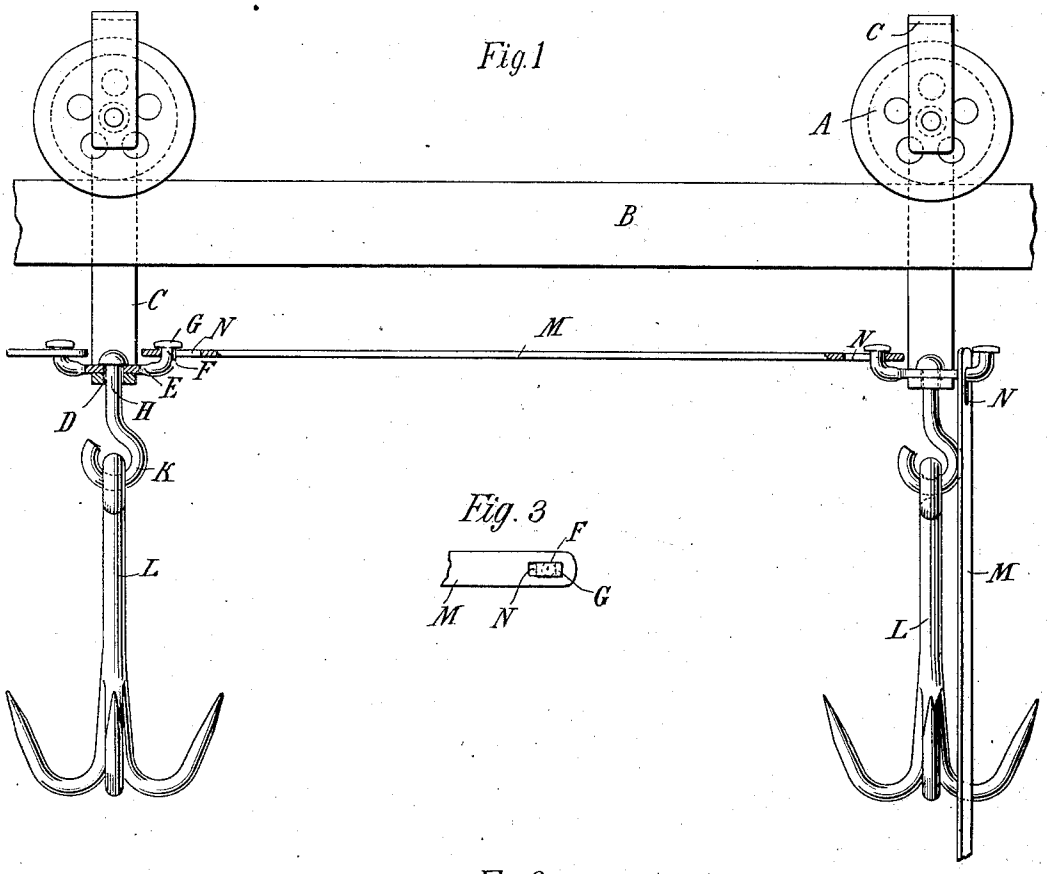
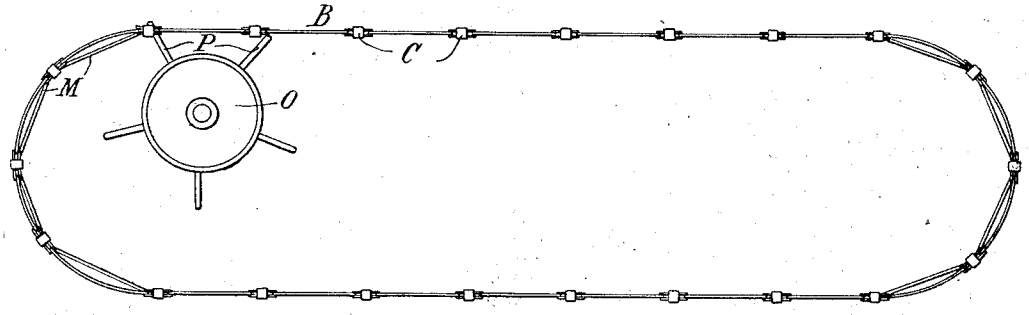


Fig. 3

Fig. 2



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UNITED STATES PATENT OFFICE.

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SLAUGHTERING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 727,591, dated May 12, 1903.

Application filed December 23, 1901. Serial No. 86,896. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. COOK, a citizen of the United States, and a resident of New York city, in the county of Kings and State of New York, have invented certain new and useful Improvements in Slaughtering Apparatus, of which the following is a specification, taken in connection with the accompanying drawings, forming a part of the same.

This invention relates to slaughtering apparatus more particularly adapted for suspending and transporting animal-carcasses in slaughter-houses.

In the accompanying drawings, in which the same reference characters refer to similar parts in the various figures, Figure 1 is an elevation partly in section, showing the construction of part of my apparatus. Fig. 2 is a plan view of my apparatus. Fig. 3 is a detail view of my apparatus.

In the form of my apparatus shown in the drawings the track B, of generally elliptical closed form, as indicated in Fig. 2, serves to guide the series of frames C, each of these frames having pivotally mounted upon it the trolley-wheel A. These wheels engage the track in a well-known manner and enable the frames to readily move along the track. The particular construction of trolley-wheel and the means of connecting the same to the frame are not material, and any desired construction may be employed. The lower part of the frame is formed with the hole D, through which the headed suspending bolt H is passed, which serves to connect the stud-plate E to the frame. If desired, however, the stud-plate may be rigidly secured to the frame by any other desired means, the hole D being formed in all cases to connect the suspending bolt with the frame. This suspending bolt is formed with the open loop K at its lower end. The hook L, formed, as indicated, with three prongs, is suspended from the bolt H, since the eye of the hook engages the part K of the bolt.

All of the frames are connected together by connectors M, formed with rectangular slots N at either end of the same. These connectors fit over the studs F, secured to the frames, as has been described, the rectangular heads G of the studs passing through the slots N in the connectors. The connectors in this manner rest securely upon the studs and are not readily disengaged during the normal operation of the apparatus, as indicated in Figs. 1 and 3.

As indicated in Fig. 2, a series of these frames and hooks are connected together so that they extend entirely around the track B, and the driving-wheel O, situated near one end of the track, is rotated to cause the movement of the frames and hooks connected thereto along the track. This driving-wheel is provided with outwardly-projecting spokes P, which engage the frames C in succession and move them along the track B. It is understood, of course, that the animal-carcasses are suspended upon the hooks L and by means of my apparatus are readily transported from place to place along the track B.

It will be seen that this apparatus may be very readily assembled or taken apart, since the suspending bolt after the hook is disengaged therefrom may be slipped upward through the hole, so as to release the stud-plate E from the frame. The connectors M may of course be readily disengaged from the studs, if desired, so that by very little labor this apparatus may be taken apart and assembled. For this reason it is very desirable if it must be transported long distances before it is used.

It is not necessary in all cases to employ a continuous series of these frames and hooks upon a closed track, as indicated in Fig. 2. Any desired number of the frames may be connected together by the connectors M, and the frames and the hooks connected thereto may be moved along a suitable track by hand or by any other desired means. Numerous changes may be made in this apparatus without departing from the spirit of my invention. I do not, therefore, wish to be limited by the disclosure I have made; but

What I wish to secure by Letters Patent is set forth in the appended claims.

1. In slaughtering apparatus, a continuous closed track, a driving-wheel mounted adjacent said track, said driving-wheel being provided with outwardly-projecting spokes, a continuous series of frames having trolley-wheels pivoted therein mounted upon said track, a stud-plate provided with outwardly-

projecting headed studs removably secured to each of said frames by a suspending headed bolt passing through a hole in the same and provided with a depending open loop, a hook engaging the loop of said suspending bolt and slotted connectors engaging said studs to detachably connect said frames.

2. In slaughtering apparatus, a track, frames having trolleys pivoted therein to engage said track, removable stud-plates having headed studs formed thereon secured to each of said frames, a headed suspending bolt mounted in each of said frames, a hook engaging each of said suspending bolts and detachable connectors having slotted ends to engage said studs and to connect said frames.

3. In slaughtering apparatus, frames having trolleys pivoted thereto to engage a track, upwardly-projecting headed studs removably secured to said frames, removable headed suspending bolts mounted in each of said frames, hooks hung upon each of said suspending bolts and detachable connectors formed with slots therein to engage said studs.

4. In slaughtering apparatus, a frame having a trolley-wheel pivoted thereto, a stud-plate removably secured to said frame and provided with upwardly-projecting studs, said studs having rectangular heads thereon, a suspending bolt loosely mounted in said frame and a connector provided with rectangular slots at its ends to detachably engage said studs.

5. In slaughtering apparatus, a frame having a trolley pivoted thereto, a stud-plate connected to said frame and formed with upwardly-projecting headed studs, a headed suspending bolt detachably connected with said frame, a hook engaging said suspending bolt and a detachable connector to engage said studs.

JOHN H. COOK.

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