

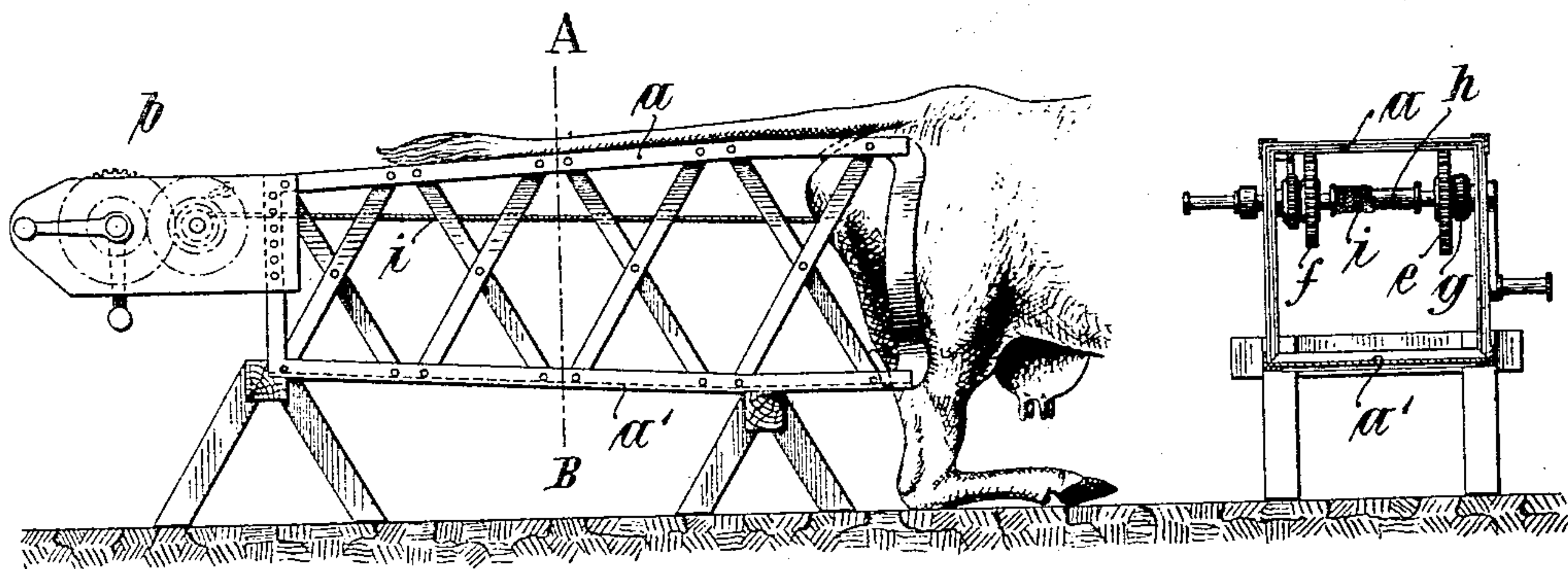
No. 745,992.

PATENTED DEC. 8, 1903.

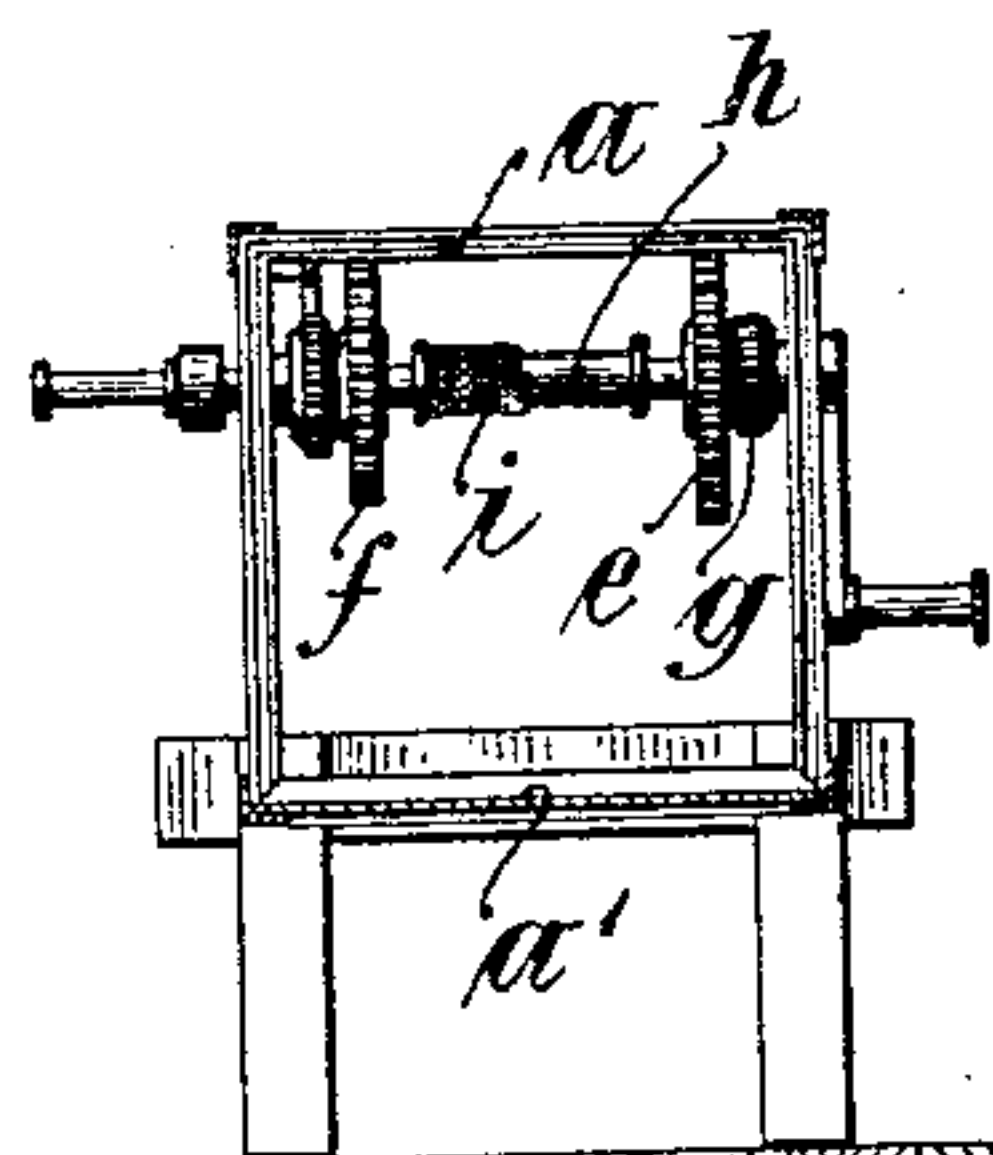
H. BARGEBOER.  
MEANS FOR DELIVERING CATTLE.  
APPLICATION FILED JULY 7, 1903.

NO MODEL.

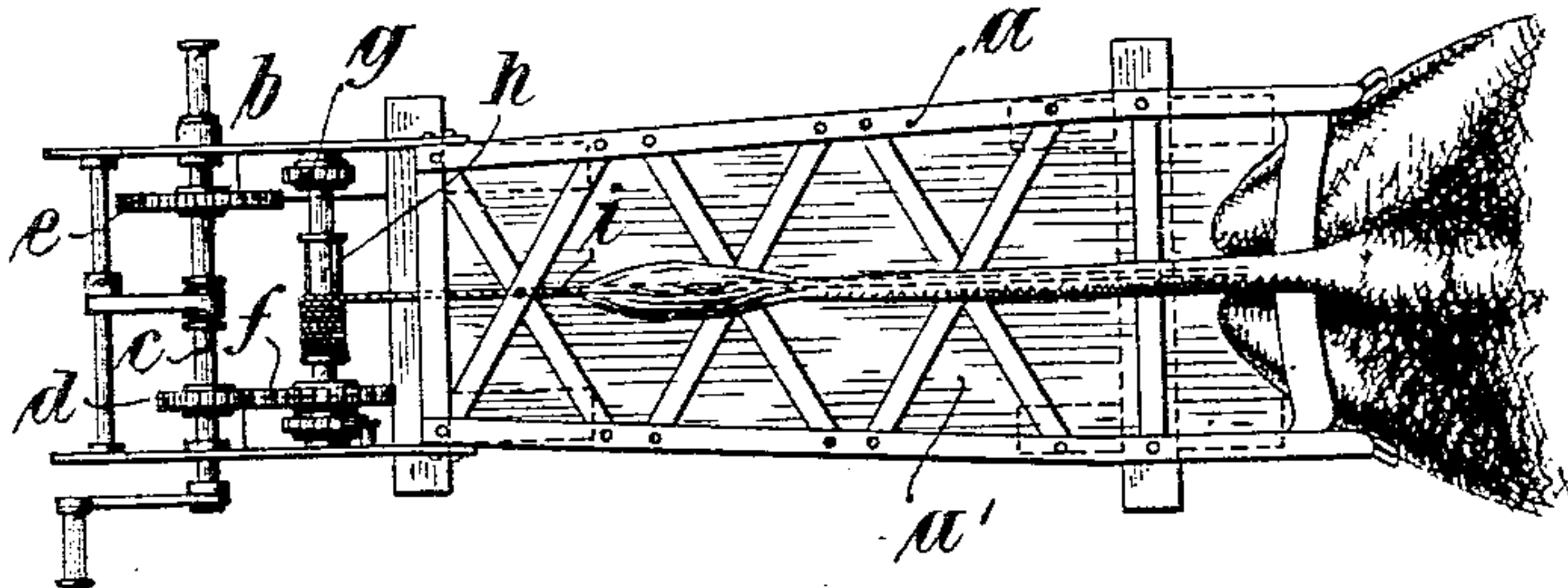
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



Witnesses:  
L. Straden.  
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Inventor:  
Hartog Bargeboer,  
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att.

# UNITED STATES PATENT OFFICE.

HARTOG BARGEBOER, OF WUNSTORF, GERMANY.

## MEANS FOR DELIVERING CATTLE.

SPECIFICATION forming part of Letters Patent No. 745,992, dated December 8, 1903.

Application filed July 7, 1903. Serial No. 164,557. (No model.)

*To all whom it may concern:*

Be it known that I, HARTOG BARGEBOER, a subject of the King of Prussia, German Emperor, residing at Wunstorf, in the Province of Hanover and Kingdom of Prussia, Germany, have invented certain new and useful Improvements in Means for Delivering Cattle, of which the following is a specification, reference being had therein to the accompanying drawings.

While means for the delivery of cattle are known in which a supporting-frame is used in connection with a windlass, such known means have a decided disadvantage, inasmuch as no means are provided for receiving and supporting the calf and besides that end of the supporting-frame directed toward the body of the animal being straight an uneven harmful pressure is exerted on the animal. Also the windlasses are of such simple construction that no great variation in the speed of the pulling member can be obtained.

By my present invention the above-named defects are successfully obviated, as I provide the supporting-frame with a bottom for receiving the calf and shaping that end of the frame which is directed toward the animal as to snugly fit the rounding of the body of the animal, and, furthermore, I use in connection with the frame a windlass I equipped with means for obtaining two different speeds.

In the accompanying drawings, in which similar reference-letters are used for similar parts, Figure 1 shows the improved apparatus in side elevation. Fig. 2 is a plan view thereof, and Fig. 3 is a cross-section on the line A B of Fig. 1.

To the supporting-frame *a* a bottom *a'* is attached, having a smooth even surface, so as to prevent any injury to the calf to be de-

livered. By this arrangement the calf will be directly supported, thereby making any other means for holding and supporting the calf unnecessary. The bottom may be, if desired, of a trough-like shape. That end of the supporting-frame *a* directed toward the body of the animal is, as shown, shaped in such a way as to fit snugly to the rounding of the body of the animal at all points, whereby a uniform distribution of the pressure is secured. Furthermore, on the inside of this part of the frame a cushioning device—as, for instance, a pneumatic cushion—can be arranged. To the other end of the supporting-frame *a* a windlass *b* is attached, which windlass, as seen from Fig. 2, is equipped with means for obtaining two different speeds. To this end the crank-shaft *c*, adapted to slide in its bearings, has mounted on it two gears *d e* of different sizes, which gears may be thrown into engagement with corresponding gears *f g*, mounted on the drum *h*, whereby the same may be rotated either slowly or rapidly. On the drum is wound the rope (chain or the like) *i*, which is attached to the legs of the calf to accomplish the desired result.

I claim—

Means for delivering cattle, comprising a supporting-frame *a* having a bottom *a'* for receiving and supporting the calf, that end of the supporting-frame directed toward the body of the animal being shaped so as to fit snugly the rounding of the body of the animal.

In testimony whereof I affix my signature in presence of two witnesses.

HARTOG BARGEBOER.

Witnesses:

LEONORE RASCH,  
H. HALL HALE.