T. H. Lindley.

Cow Milker.

No. 83,777. Patented Nov. 3, 1868.

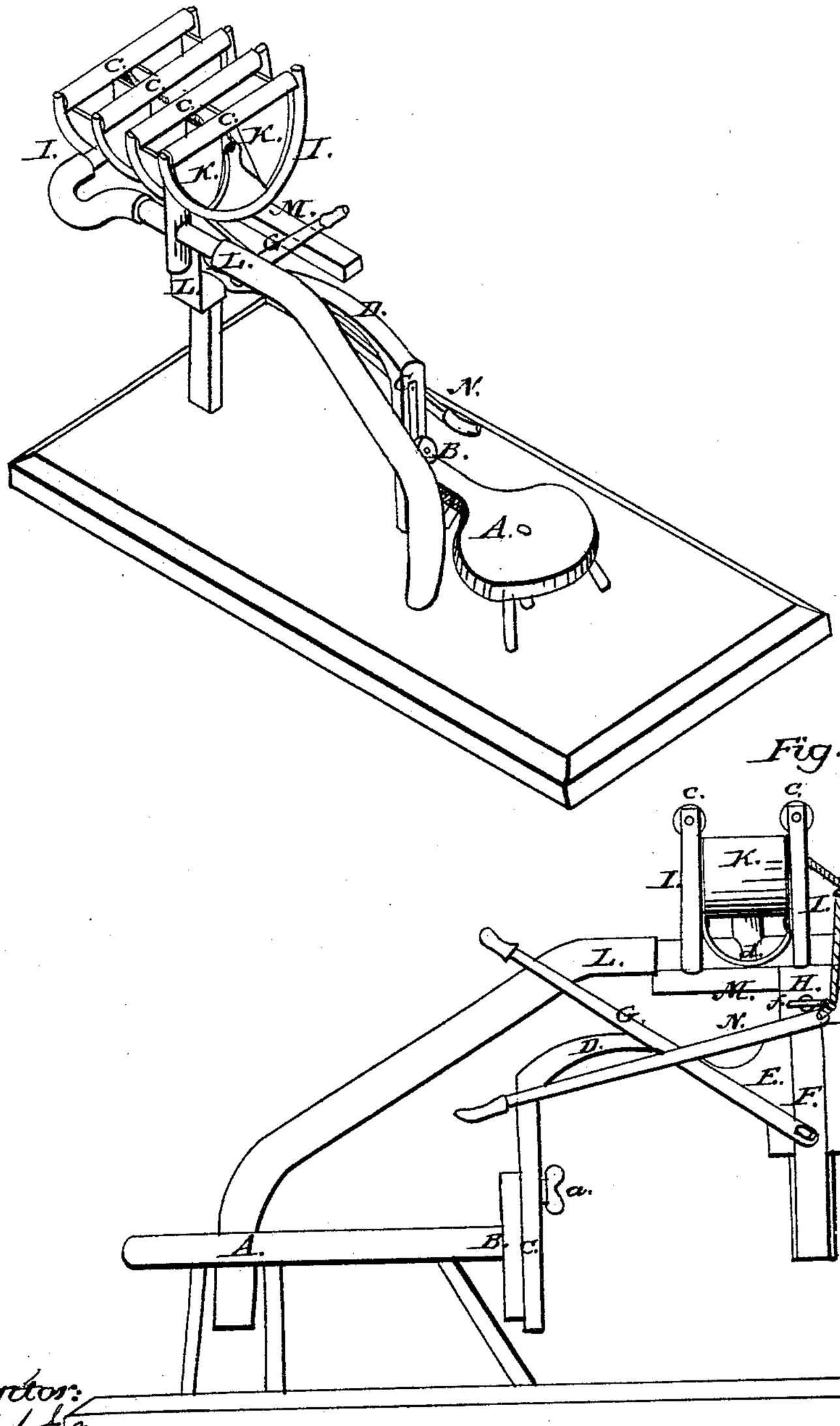
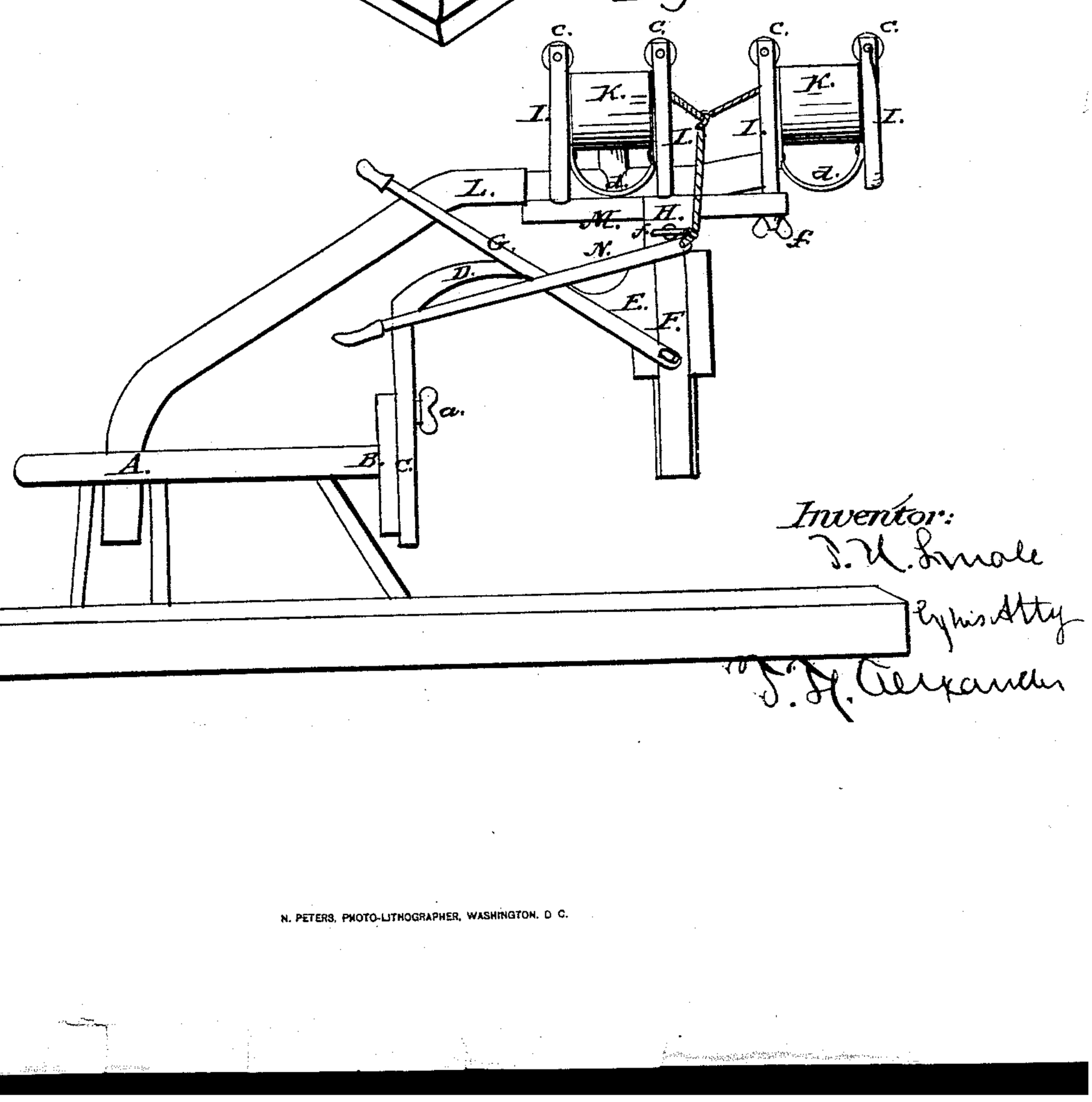


Fig. 2.



Witnesses:
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United States Patent Office.

THOMAS H. LINDLEY, OF TAUNTON, MASSACHUSETTS.

Letters Patent No. 83,777, *dated November* 3, 1868.

IMPROVEMENT IN MACHINE FOR MILKING COWS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, THOMAS H. LINDLEY, of Taunton, in the county of Bristol, and State of Massachusetts, have invented certain new and useful Improvements in Machines for Milking Cows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a perspective view, and

Figure 2, a side view.

The nature of my invention consists in the construction and general arrangement of a machine or device for milking cows, which can be regulated so as to suit or be adapted to all cows.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation.

A represents a stool for the operator to sit upon while operating the machine. To one side of this stool is attached an arm, with a small upright bar, B.

A slotted bar, C, is attached to said bar B by means of a thumb-screw, *a*, so that the bar C may be raised or lowered at pleasure, and held at any height. From the upper end of the bar C extends an arm, D, which, on its forward end, is provided with a block, E. In the side of this block is a vertical dovetailed groove, in which a bar, F, slides up and down. This bar F is bevelled, so as to fit the dovetailed groove already mentioned, and is raised or lowered by means of the lever G, which is pivoted on the side of the arm D, one end of said lever forming a handle within reach of the operator on the stool A, and the other end being slotted, surrounds a pin, *e*, on the side of the bar F.

The upper end of the bar F is provided with a pin, which fits in a hole on the lower side of a square block, H, so that the same can be easily turned in any direction desired, and it is held secure in such position by means of the thumb-screw *b* passing through the side of said block, and against the pin mentioned.

On the upper side of the block H is a half-circular frame, I, secured in an upright position, the circular side downward, and the upper side forming a shaft on which a rubber roller, *c*, is secured. From the side of the frame I, a bent spring, *d*, extends, to the other end of which a similar frame, I, with a similar roller, *c*, is secured, the two frames and rollers being parallel, and at a suitable distance from each other.

Between these two frames, and to the stationary frame, two funnel-shaped vessels, K K, are fastened, which vessels connect with the tube L, as shown.

The upper part of the block H is slotted, and through this slot a bar, M, is placed horizontally, said bar being adjusted by means of a thumb-screw. On the end of this bar which is farthest from the operator, a similar arrangement, with stationary and movable frames, spring, and vessels, is placed. In this case, however, the frame called stationary may be turned to either side by means of a set-screw, *f*, carrying the vessels and movable frame with it.

The vessels K K, in this latter arrangement, also connect with the tube L, the end of which is placed in the pail to receive the milk.

From the upper part of the movable frames I I, cord or wire is passed, connecting with the end of a lever, N, which is also pivoted on the side of the arm D, and the other end of which forms a handle within reach of the operator.

It will be seen that when the operator raises the lever N, the movable frames I I are drawn inwards, and the rollers *c c*, on these frames, passing over the vessels K K, will press anything placed in the proper position against the rollers on the stationary frames.

When it is desired to use the machine, the various parts thereof are adjusted, by the means described, to suit. The operator is then seated on the stool A, and with one hand catches the lever G, raising the machine till one teat is in each of the vessels K K; then, with the other hand, work the lever N up and down, when the teats will be squeezed between the rollers *c c*, and the milk pass into the vessels K K, and from thence, through the tube L, into the milk-pail.

If desired, a strainer can be placed in the tube, or the tube be put in a strainer, or in any other way desired, so as to strain the milk as fast as produced.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The stationary and movable frames I I, provided with rollers *c c*, and connected, by means of cords, or their equivalent, to the lever N, for the purpose of milking cows, substantially as herein set forth.

2. The funnel-shaped vessels K K, or their equivalent, in combination with the tube L, for the purpose of receiving and conducting the milk to the milk-pail, substantially as herein set forth.

3. A cow-milker, constructed substantially as described, and adjusted and operating in the manner and by the means herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

THOMAS H. LINDLEY.

Witnesses:

CHAS. S. MORSE,

LIZZIE M. LINDLEY.