

(No Model.)

L. H. CONKLIN.

GRAIN SPOUT FOR THRASHING MACHINES.

No. 291,986.

Patented Jan. 15, 1884.

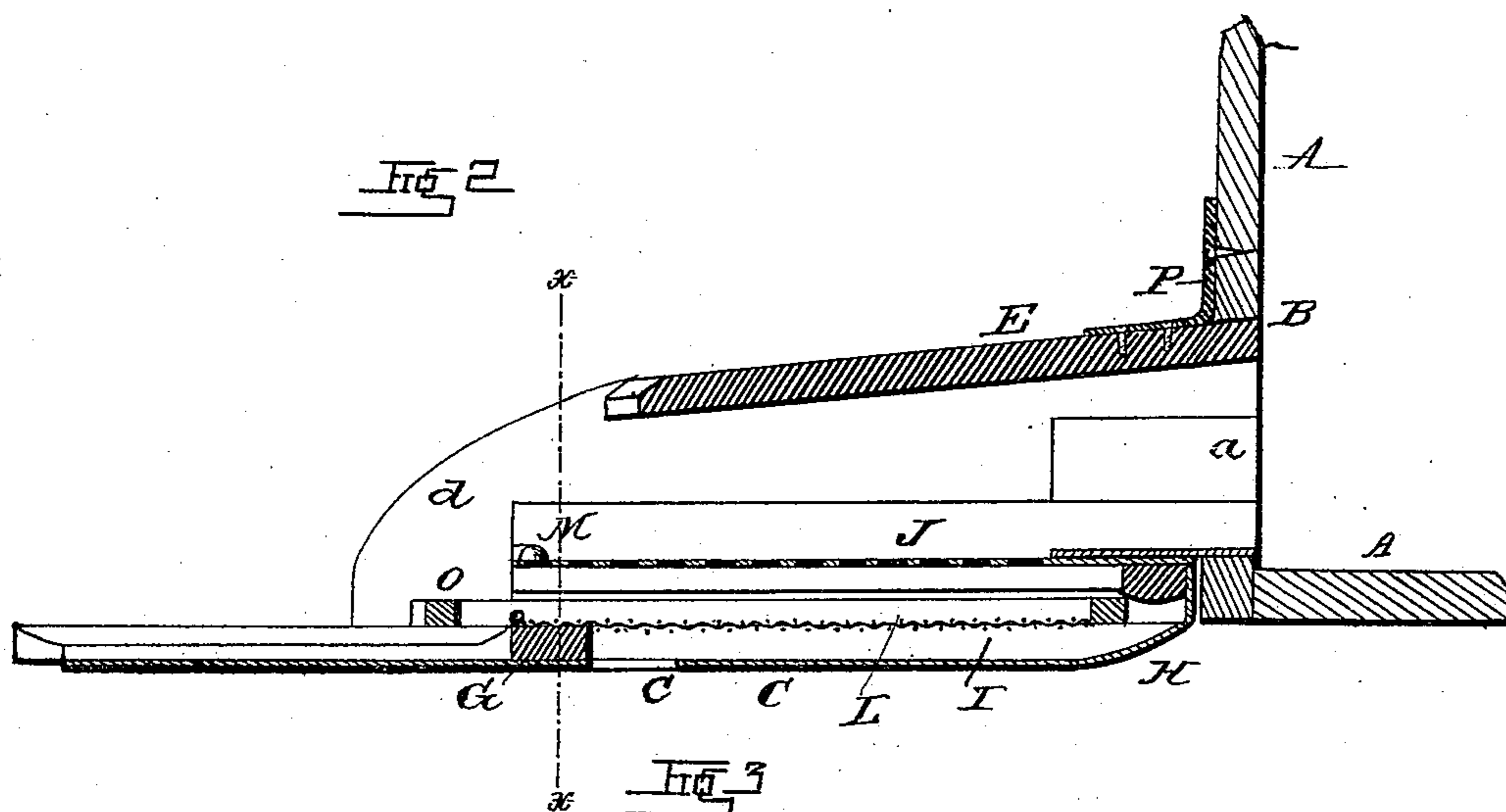
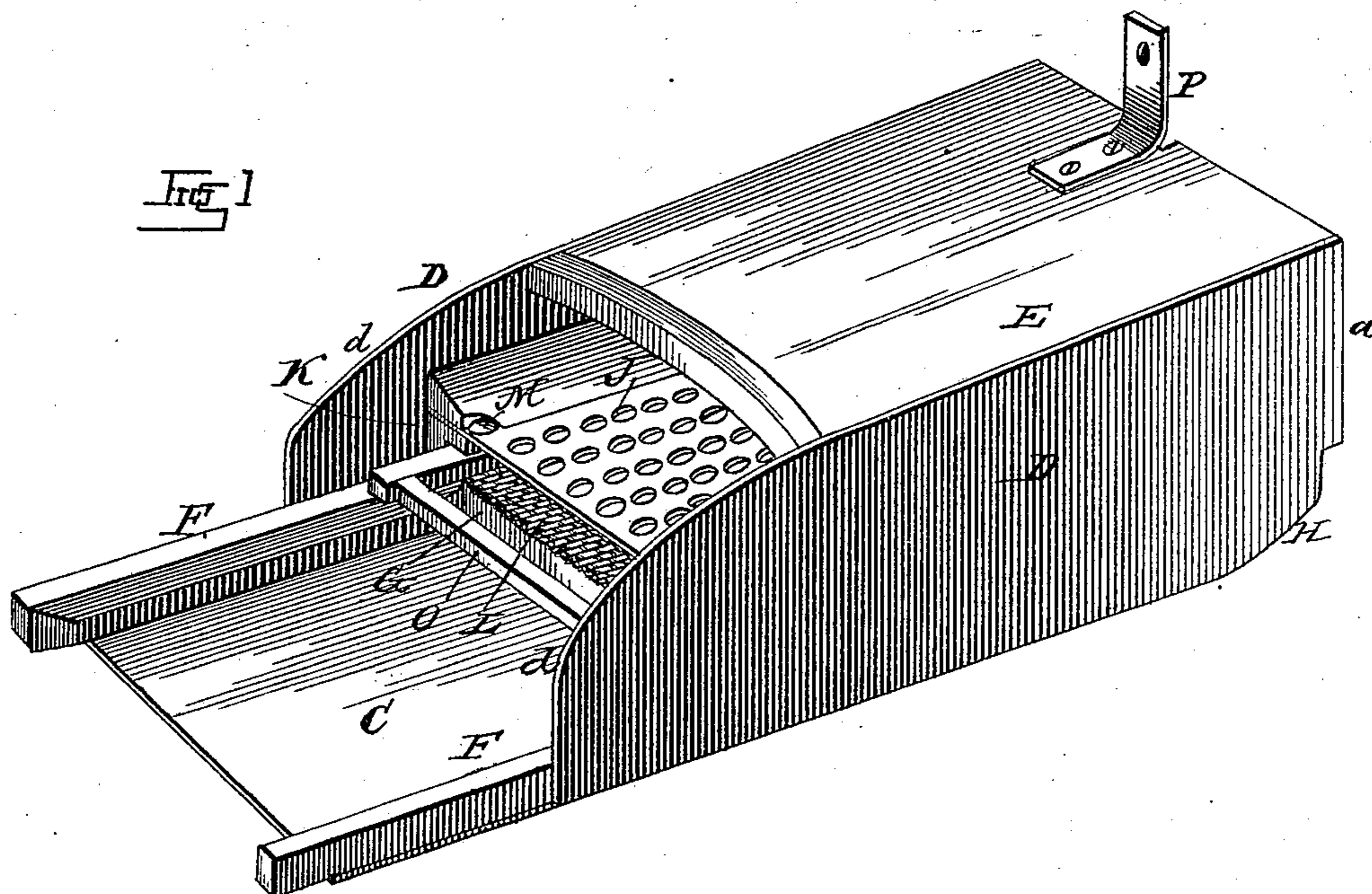
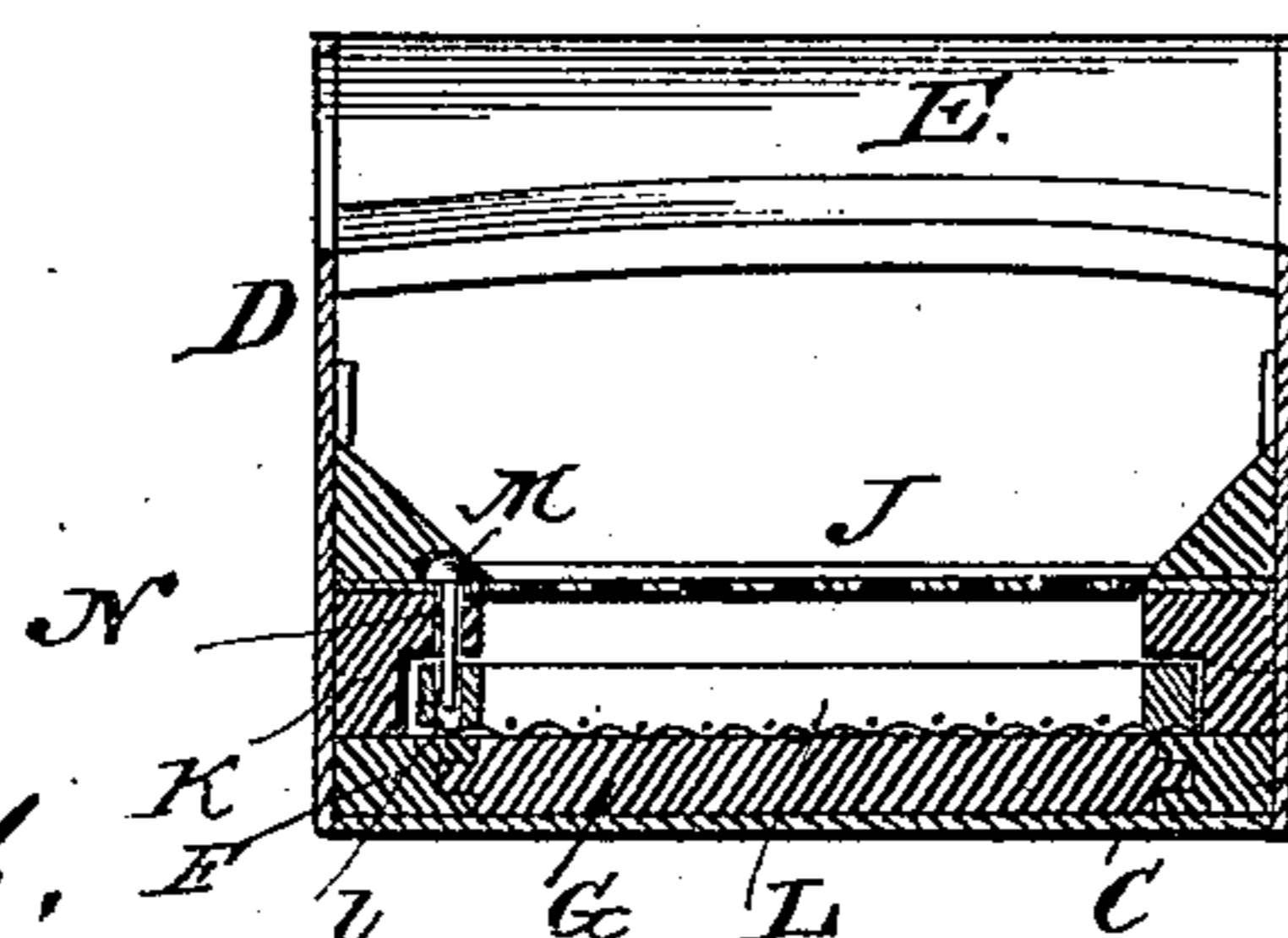


Fig 3



WITNESSES:

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# UNITED STATES PATENT OFFICE.

LINLEY H. CONKLIN, OF WILLOW CREEK, MINNESOTA.

## GRAIN-SPOUT FOR THRASHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 291,986, dated January 15, 1884.

Application filed June 2, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, LINLEY H. CONKLIN, of Willow Creek, in the county of Blue Earth and State of Minnesota, have invented certain new and useful Improvements in Grain-Spouts for Thrashing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved spout attachment for thrashing-machines. Fig. 2 is a longitudinal sectional view of the same, and Fig. 3 is a cross-section through line *x x* in Fig. 2.

Similar letters of reference indicate corresponding parts in all the figures.

My invention relates to a spout attachment for thrashing-machines, having for its object to effectually clean and screen the grain before it is fed into the bushel or half-bushel measure placed under the spout; and it consists in the detailed construction and combination of parts of the attachment, as hereinafter more fully described, and particularly pointed out in the claim.

This apparatus is adapted to be attached to all kinds of thrashing-machines, and in the accompanying drawing A represents a portion of the casing of a thrashing-machine having the delivery-opening B.

The attachment proper consists of a casing formed by a bottom piece, C, sides D D, and top piece, E, the bottom extending out beyond the sides, which are rounded at their front ends, as shown at *d*.

I prefer to construct the bottom C and sides D of heavy sheet metal, and the top piece, E, of wood; but the entire casing may be made of wood, if desired. When made of metal, the casing is braced by parallel sills F, connected by a cross-brace, G, and the rear end of the bottom C is bent up, as shown at H, so as to form a space or chamber, I, between the fixed screen or sieve J and the bottom C, which chamber is closed at its rear end by the upwardly-bent part H.

Between the fixed screen J and bottom C are parallel ways K K, adapted to receive a removable screen, L. When this is slid into position in its ways K K, between the fixed screen J and bottom C it may be held in

place removably by a pin or bolt, M, inserted through an aperture, N, in one of the ways K, and fitting with its lower end into a hole, *l*, in the frame of the removable screen L. The side pieces of the frame of the screen L are extended beyond the screen proper, and the projecting ends connected by a cross-bar, O, as shown more clearly in Figs. 1 and 2 of the drawings, which forms a handle by means of which the screen may readily be removed and reinserted, when desired, the lock pin or bolt M having first been withdrawn. The attachment is fastened to the machine by inserting its mouth *a* into the spout-opening B, and then fastening it in place by a bolt or screw inserted through the bracket P, which is screwed or bolted to the top piece, E. A series of three or more removable screens or sieves, L, of different mesh, and made either of wire-cloth or perforated sheet metal, should accompany each attachment, so that one may be substituted for another, according to the kind of grain or seed for which the attachment is to be used, there being one screen for wheat, one for flax, and one for timothy, while for oats and barley the removable screen L may be left out altogether.

The screened grain or seed is fed through the aperture *c* in the bottom C into the half-bushel measure or other receptacle placed below.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The herein-described spout attachment for thrashing-machines, composed of the casing C D E, having aperture *c*, bracket P, fixed screen J, parallel ways K K, located in chamber I, between the fixed screen J and bottom C, removable screen L, having cross-bar O at its front end, pin or bolt M, inserted through the apertures *l* and N, to hold the removable screen in its fixed position, the whole constructed to adapt it to be attached removably to the spout-opening B of a thrashing-machine, substantially as and for the purpose shown and specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

LINLEY H. CONKLIN.

Witnesses:

T. L. RICE,

H. B. PERRIN.