

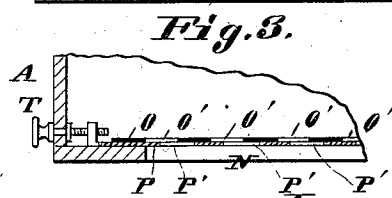
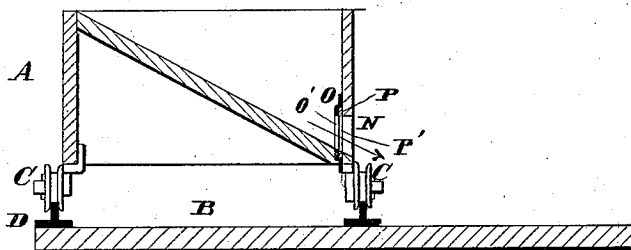
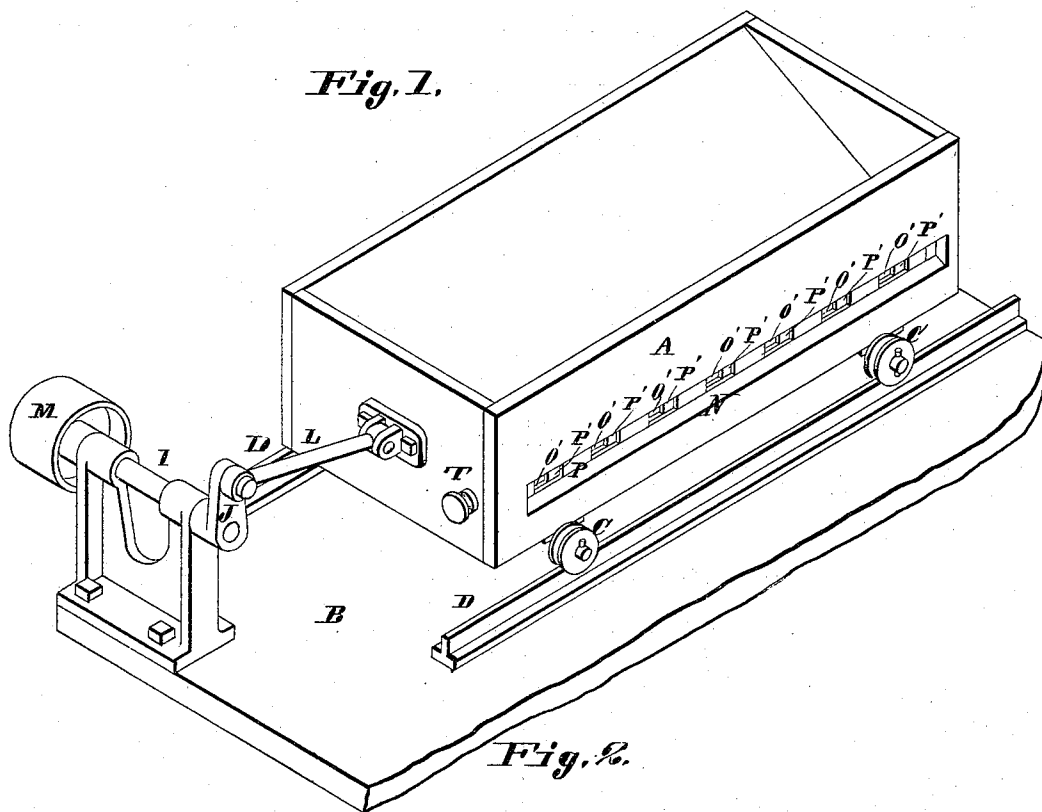
(No Model.)

A. EUSTON.

FEEDER FOR SHOT SEPARATORS.

No. 319,684.

Patented June 9, 1885.



Attest:

Charles Pickle;
Geo. Wheelock

Inventor;

Alex. Euston
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Attys

UNITED STATES PATENT OFFICE.

ALEXANDER EUSTON, OF ST. LOUIS, MISSOURI.

FEEDER FOR SHOT-SEPARATORS.

SPECIFICATION forming part of Letters Patent No. 319,684, dated June 9, 1885.

Application filed December 9, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER EUSTON, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Feeders for Shot-Separators, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a perspective view of my improved feeder. Fig. 2 is a transverse vertical section, and Fig. 3 a detail section illustrating the manner of operating the valve or slide.

My invention relates to an improved feeder for shot-separating tables; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claim.

Referring to the drawings, A represents a box, into which the shot is discharged from or as it comes from the cooling apparatus. It is supported on a bed-plate, B, which may be the upper shelf of the separating-table. The table is not shown, as its construction is well known, and nothing is claimed therein. The box has wheels or rollers C, that fit on angle, T, or other suitable rails, D, to permit the easy movement of the box back and forth, which is caused by a shaft, I, having a crank, J, to which the box is connected by a pitman, L, and a drive-pulley, M; or it may be moved back and forth by other suitable means. The

rails D are made fast to the base-plate B. The bottom of the box is inclined toward the front, as shown, so that all the shot will be discharged from it through a slot, N, in the front wall of the box. To the box opposite the slot is secured a -shaped plate, O, having perforations or openings O', and next to this plate, preferably between it and the box, so as to be held in place, is a sliding plate or valve, P, with openings P', operated by a thumb-screw, T, (see Fig. 3,) or by other suitable means. By moving the plate P the size of the openings O' may be increased or decreased to regulate the feed of the shot.

I claim as my invention—

In a shot-feeder, the combination of the box having a discharge opening or slot formed in its vertical front wall, a fixed perforated plate of  shape in transverse section, secured to the box opposite the slot, a movable perforated plate located between the fixed plate and the box, a set-screw for adjusting the movable plate, and mechanism for reciprocating the box, the bottom of said box being inclined from the back downward toward the front, substantially as and for the purpose set forth.

ALEX. EUSTON.

In presence of—

GEO. H. KNIGHT,
SAML. KNIGHT.