(No Model.)

B. H. VELLINES.

SEPARATING TABLE.

No. 339,605. Patented Apr. 6, 1886.

Fig. 1.

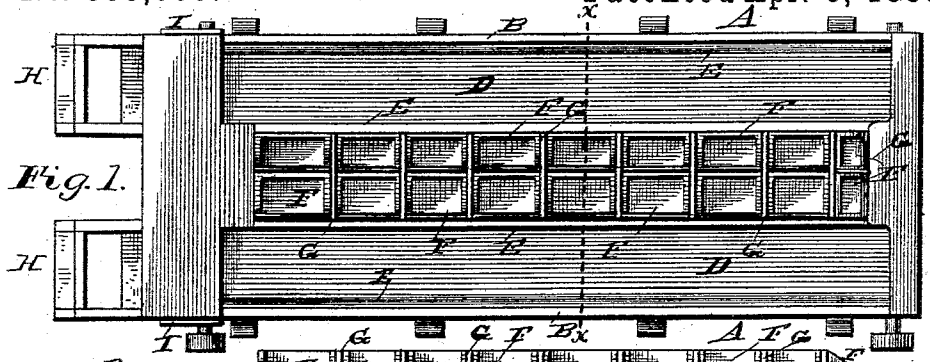


Fig. 2.

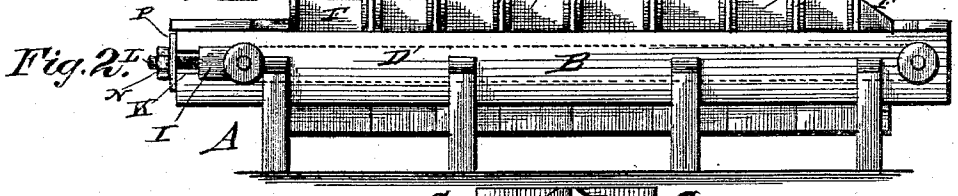


Fig. 3.

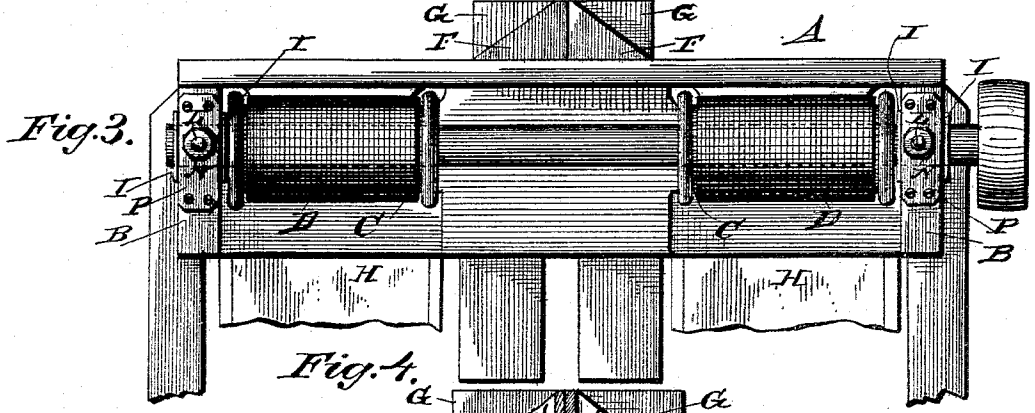


Fig. 4.

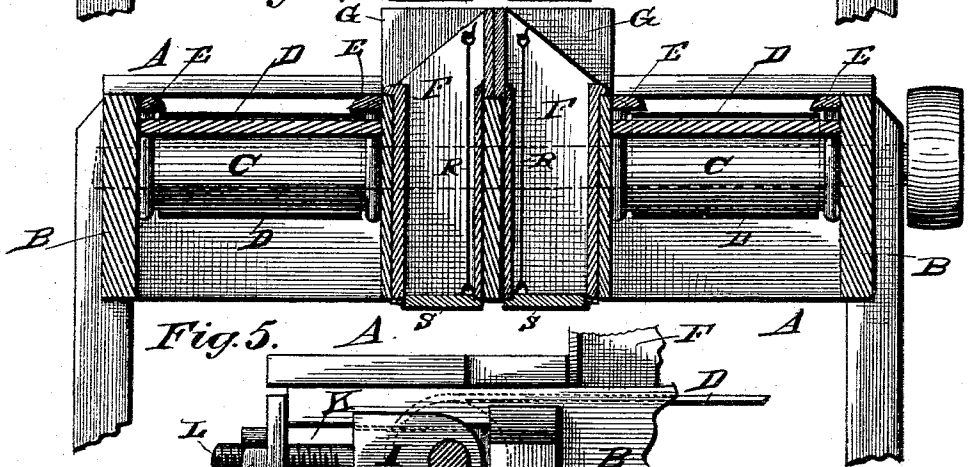
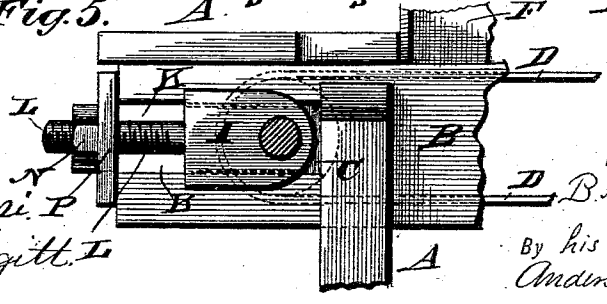


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

BENTON H. VELLINES, OF NORFOLK, VIRGINIA.

SEPARATING-TABLE.

SPECIFICATION forming part of Letters Patent No. 339,605, dated April 6, 1886.

Application filed October 17, 1885. Serial No. 180,159. (No model.)

To all whom it may concern:

Be it known that I, BENTON H. VELLINES, a citizen of the United States, residing at Norfolk, in the county of Norfolk and State of Virginia, have invented certain new and useful Improvements in Separating-Tables; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a top or plan view of my improved device. Fig. 2 is a side elevation of the same. Fig. 3 is an end elevation of the same. Fig. 4 is a transverse section taken on the lines *x x* of Fig. 1; and Fig. 5 is a detail view of the main frame, showing the belt-adjusting device.

This invention has relation to picking-tables for peanuts, beans, &c.; and it consists in the construction and novel arrangement of parts, as hereinafter set forth and claimed.

In the accompanying drawings, the letter A designates a frame having the longitudinal bearing-boards B, near the ends of which are the rollers C for the endless belts D, which pass along said bearing-boards. The edges of the belts are covered by moldings E. In the middle longitudinal portion of the table are provided deep measuring boxes or receptacles F, which extend below the level of the table, and stop-boards or guards G extend upward from the tops of said receptacles, higher than the general level of the table. The said guards may be formed on the boxes or the supporting-frame. In the present instance these guards are shown on three sides of the measuring-boxes—viz., the backs, which are on a line coincident with the longitudinal center of the table, and the sides, which are transverse to the said table. The peanuts or beans, being fed to the belts, pass along with the same as they are carried by the rollers, and the picking-hands stationed along the edge or edges of the table select those of higher or lower grade, and throw them into the measuring boxes or receptacles F. Those nuts which pass to the end of the table are discharged downward through a chute, H, or the like, into a suitable receiver. The guards G enable the hands to work quickly in throwing the nuts into the receptacles, as they prevent the nuts from flying past the mouths of the boxes. The attention of the hands therefore can be better directed to the selecting work on the traveling table.

In order to provide means for tightening the belts of the table, the journals of the rollers at one end of the table are provided with adjustable boxes I, which work in slideways or elongated bearings K, and are provided with screw-stems L, which are operated by means of nuts N, which bear against the faces of the plates P, through openings in which the screw-stems pass.

The measuring boxes or receptacles F may be made removable, so that the same may be taken out, when desired, for repairs or the like, and to provide said boxes with hinged bottoms S, which may be held closed by chains or rods R, extending upward, and being attached to hooks or other catches at the mouths of the boxes. When a box is full, it can be discharged by lowering the rod and allowing the bottom to fall, the contents of the box passing downward into a suitable chute or receptacle.

The measuring-boxes are removably supported in the main frame, and hence may be removed when desired. I have shown these boxes with one of their walls having an outer flange at their upper end, so as to engage the main frame for support; but I do not wish to confine myself to such devices, as it is obvious that the same may be changed without departing from my invention. By means of these devices the work of each of the picking-hands can be measured and inspected, and an accurate account kept of it, so that the work will not be slighted by any of them, and they can be graded according to their ability.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the picking-table, of the measuring boxes or receptacles extending below the level of the table, and having the raised guard-boards extending above said level, substantially as specified.

2. The combination, with a picking or sepa-

rating table, of measuring-boxes having hinged bottoms and catches, substantially as specified.

3. The combination, with a picking or separating table, of removable measuring-boxes and guards extending above the level of the table, substantially as specified.

4. A picking-table for peanuts, consisting of a main frame, a longitudinal series of measuring-boxes arranged therein, and endless belts arranged at opposite longitudinal sides of the said boxes, substantially as specified.

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

B. H. VELLINES.

Witnesses:
JOHN C. BAKER,
WALTER R. RUSSELL.