

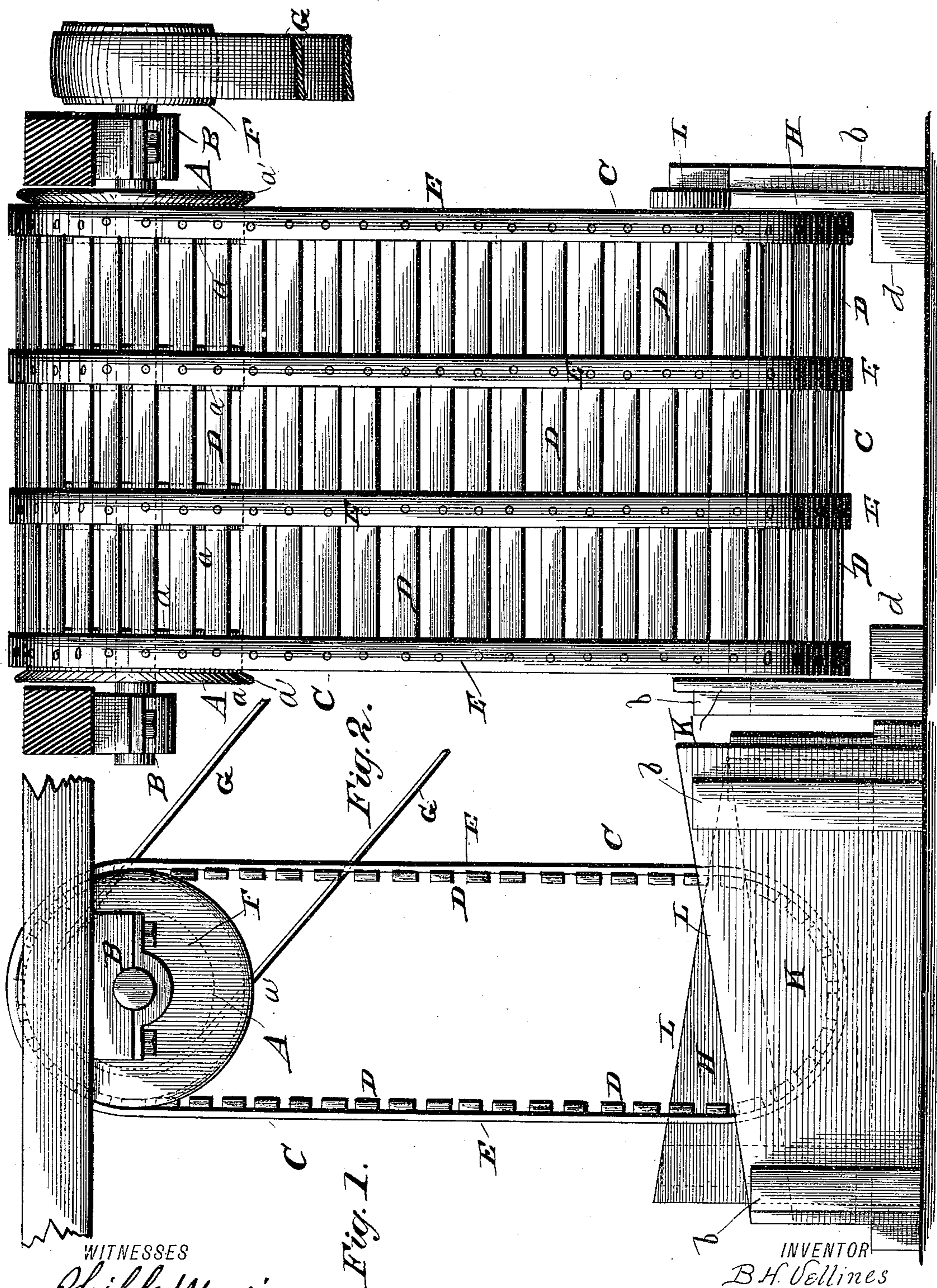
(No Model.)

B. H. VELLINES.

MACHINE FOR CLEANING PEANUTS.

No. 335,402.

Patented Feb. 2, 1886.



WITNESSES
Phil. C. Masi.
B. Trugitt.

INVENTOR
B. H. Vellines
By his Attorneys
Anderson & Smith

UNITED STATES PATENT OFFICE.

BENTON H. VELLINES, OF NORFOLK, VIRGINIA.

MACHINE FOR CLEANING PEANUTS.

SPECIFICATION forming part of Letters Patent No. 335,402, dated February 2, 1886.

Application filed October 8, 1885. Serial No. 179,327. (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 Machines for Cleaning Peanuts; 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 an end elevation of a machine for cleaning peanuts constructed according to my invention, and Fig. 2 is a side elevation of the same, partly in section.

This invention has relation to machines for cleaning peanuts, beans, &c.; and it consists in the construction and novel arrangement of parts, as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings, illustrating this invention, the letter A designates a cylinder or roller of any suitable construction, having journals B in proper bearings. In the present instance this cylinder is shown as composed of four rollers, *a*, which are arranged on the horizontal shaft B in such position as to coincide with the belts at their points of connection with the transverse shaft. The outer rollers of the cylinder may be provided with guide-flanges *a'*. The cylinder A carries the slatted endless cleaner C, which consists of transverse slats D, preferably of wood or iron, and endless belts E, usually of leather or steel, to which said slats are secured, the slats being separated sufficiently to leave interstices for the passage of dust and the like. The belts E are preferably arranged on the outside of the slats, and are placed in series at proper distances apart to support the load. The cylinder A is turned by any ordinary mechanism, a pulley, F, being usually provided on an extension of its journal for a driving-belt, G. The cleaner is in the form of a large slatted endless belt hanging from the cylinder-bearing, and the beans or nuts are fed into it at one end and discharged at the other.

It is obvious that when beans or nuts are fed into the cleaner at one end from a spout or the like, they will tend to assume a level position thereon, and that the force by which they are thus fed will discharge them at the opposite end.

In order to regulate the discharge and to prevent the nuts from flying, the end boards, H and K, are employed, one at the feed end and the other at the discharge end of the cleaner. These end boards extend up vertically from below the level of the bottom of the cleaner, transversely across its ends, and are not extended to touch the same, but to have a position sufficiently close to prevent the escape of the nuts between the ends of the slats and the boards. The end boards are held in position by means of suitable bearings, which are secured to a proper base, and the end boards are usually made adjustable and movable. The bearings may be formed of outer vertical posts, as *b b*, and inner beams, *d*, arranged so as to permit the introduction of the end boards, and the heights of the boards are adjusted by moving the said boards horizontally. The board at the feed end is generally higher than at the discharge end, so that should any of the nuts tend to bank at that point they will be directed to the discharge end. In the preferred construction the upper edges of these boards are inclined, as indicated at L, for convenience of adjustment, the inclined board at the feed end being higher at the back or on that side of the cleaner-belt which is running upward, so as to prevent the belt from carrying the nuts over the said board during operation, and the discharging-board at the other end being in a reverse position, being higher on the side of the cleaner which is running downward, thereby preventing a scattering discharge of the nuts. By adjusting the boards endwise they can be adapted to the quantity of nuts being fed to the cylinder, whether large or small, and the rapidity of the discharge can be controlled in a very efficient manner.

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

1. An endless slatted cleaner composed of transversely-extending slats separated to pro-

vide insterstices for the passage of dirt, and a series of belts, in combination with a roller, over which said cleaner passes, and suitable means for retaining the nuts upon the belt, substantially as specified.

2. The combination, with an endless slatted cleaner and its roller, of the end boards having inclined edges, substantially as specified.

3. A peanut-cleaner consisting in the com-

bination, with end boards, of a vertically-suspended endless moving belt having interstices, substantially as specified.

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

BENTON H. VELLINES.

Witnesses:

JOHN C. BAKER,

WALTER R. RUSSELL.