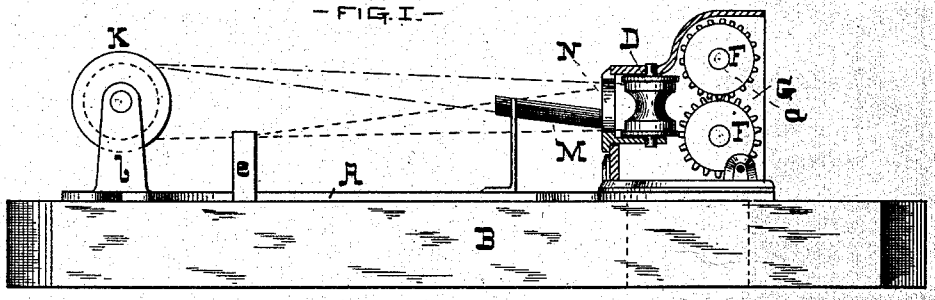
(No Model.)

G. W. FISHER.

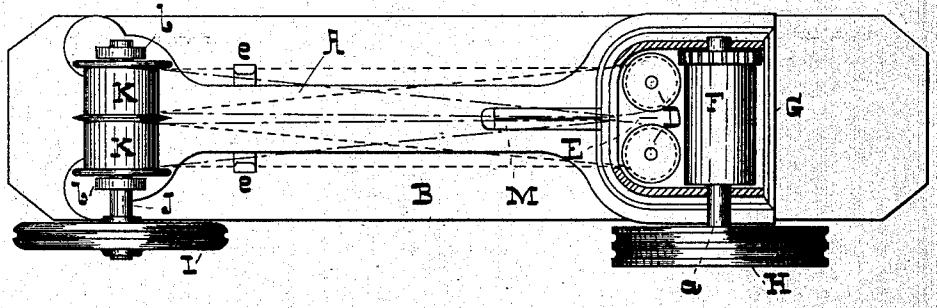
PEA SHELLER.

No. 326,026. Patented Sept. 8, 1885.

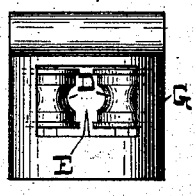
-FIG. I.-



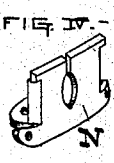
-FIG. II.-



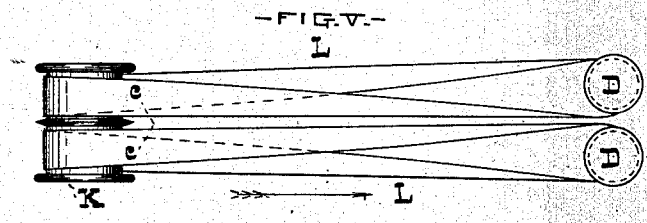
-FIG. III.-



-FIG. IV.-



-FIG. V.-



-WITNESSES-

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UNITED STATES PATENT OFFICE.

GEORGE W. FISHER, OF BALTIMORE, MARYLAND.

PEA-SHELLER.

SPECIFICATION forming part of Letters Patent No. 326,026, dated September 8, 1885.

Application filed May 8, 1885. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. FISHER, of the city of Baltimore and State of Maryland, have invented certain Improvements in Pea-Shellers, of which the following is a specification.

In the description of the said invention which follows, reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure I is a side view of the pea-sheller with certain parts thereof removed. Fig. II is a plan of the same. Figs. III and IV are views of parts of the invention, the latter figure being in perspective. Fig. V shows the arrangement of certain feed-belts used in the machine, and hereinafter fully described.

A is the bed-plate of the machine, secured to a board or table, B.

The shelling devices consist of a pair of hollow feed-rollers, D, a slitting-knife, E, situated between the said feed-rollers and the shelling-rollers F F, which compress the split pod and discharge the peas therefrom; and these devices are all inclosed in a suitable box, G, secured to the bed-plate A. The shelling-rollers are geared together, as shown particularly in Fig. I, and the shaft *a* of the upper one is provided with a grooved pulley, H, to which motion is transmitted through the medium of a belt. (Not shown.) A second belt, (indicated by a dotted line in Fig. II,) communicates motion from the pulley H to a similar pulley, I, on a shaft, J, supported by stands *b b* on the bed-plate A.

A drum, K, fastened to the shaft J, is connected to the hollow-faced rollers D by means of belts L L, which are preferably made of rubber.

By referring to Fig. V it will be seen that the belts which serve to feed the full pods to the shelling mechanism and move in the direction indicated by the arrow, change their position from a horizontal to a vertical one as they approach the hollow-faced feed-rollers. A full pod placed at *c* is carried by the belts toward the feed-rollers, turned on its edge, and then slit by the knife E as it passes between the said rollers. As the slit pod emerges from between the said hollow-faced rollers it is seized by the shelling-rollers F and compressed edgewise, which discharges the peas from the pod, the peas falling through the opening in the bed-plate and board.

A trough, M, serves to keep the lower edges of the belts together as they approach the feed-rollers, and standards *e e* prevent the separation of the belts on the drum K. A removable plate, N, which supports the lower gudgeons of the feed-rollers, serves to steady the belts L as they enter the box G.

I claim as my invention—

1. In a pea-sheller, a pair of hollow-faced rollers, a knife situated between the said rollers, and feed-belts adapted to conduct the pods to between the said rollers, all combined substantially as specified.

2. In a pea-sheller, the combination of a pair of hollow-faced rollers, belts to convey pods to the said rollers, a knife situated between the said rollers, and a pair of shelling-rollers, substantially as specified.

GEORGE W. FISHER.

Witnesses:
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