2 Sheets--Sheet 1.

J. HUTCHISON.

Improvement in Corn-Shellers.

No. 133,228. Patented Nov. 19, 1872.

Fig. 1.

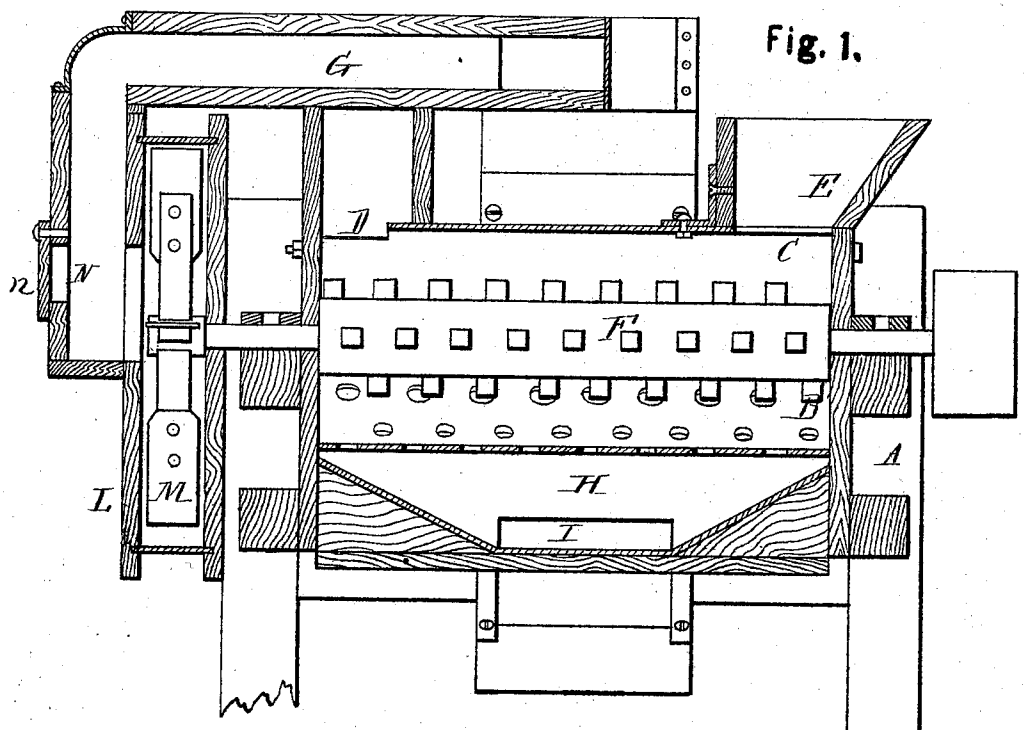
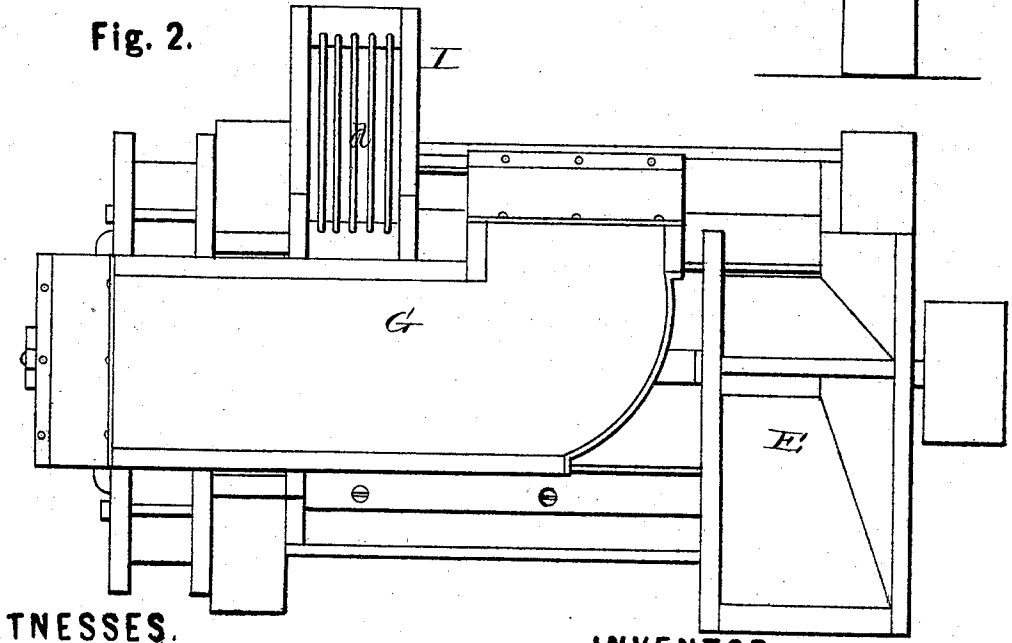


Fig. 2.



WITNESSES.

E. A. Bates.

Phil. C. Masi.

INVENTOR.

John Hutchison

Chipman Fromer & Co,

Attys.

2 Sheets--Sheet 2.

J. HUTCHISON.

Improvement in Corn-Shellers.

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Fig. 3.

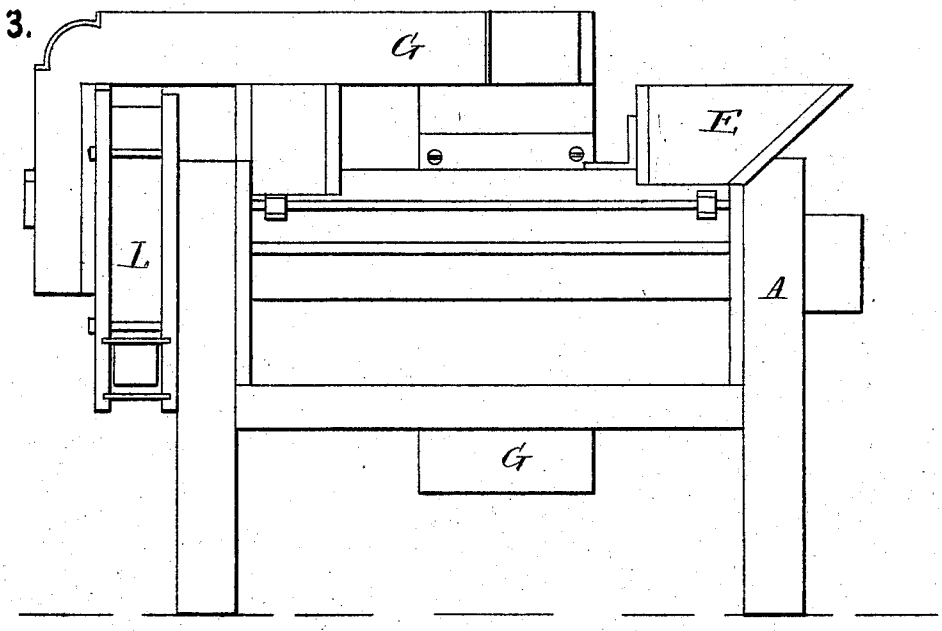
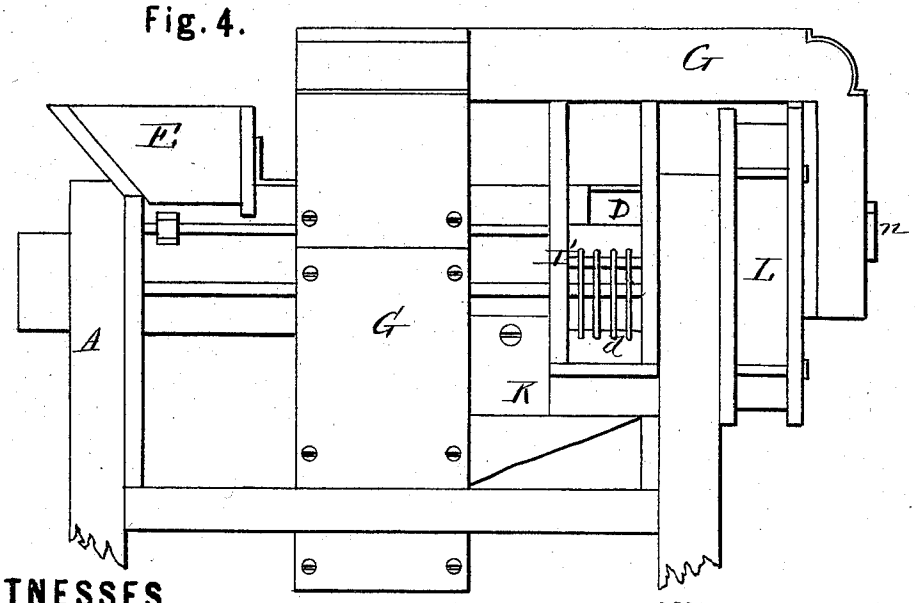


Fig. 4.



WITNESSES.

E. A. Bates.

Phil. C. Masi.

INVENTOR.

John Hutchison

Philipsman Fosnum & Co

Attys

UNITED STATES PATENT OFFICE.

JOHN HUTCHISON, OF THREE RIVERS, MICHIGAN.

IMPROVEMENT IN CORN-SHELLERS.

Specification forming part of Letters Patent No. **133,228**, dated November 19, 1872.

To all whom it may concern:

Be it known that I, JOHN HUTCHISON, of Three Rivers, in the county of St. Joseph and State of Michigan, have invented a new and valuable Improvement in Corn-Shellers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a longitudinal central section view of my invention. Fig. 2 is a plan view. Fig. 3 is a front view. Fig. 4 is a rear view.

This invention has relation to corn-shellers; and it consists in the construction and novel arrangement of the shelling-cylinder case, the spout underneath the same for conveying the shelled corn to the suction-spout, the suction-spout fan and fan-case, and the spouts with screen for conducting the scattering corn to the suction-spout, all as hereinafter more fully described.

Referring to the drawing, A designates the frame of the corn-sheller. A^2 represents a shaft passing through the frame A and provided at each end with a fan, M, and pulley Z, as shown in Fig. 1; B, a horizontal cylinder or jacket having perforations *b* for the shelled corn to escape through; C, an opening near one end for the corn to pass from the hopper E into the case B; D, an opening near the other end to let the cobs out; E, the hopper; F, the shelling-cylinder arranged on the shaft A^2 and provided with studs, threaded, screwed into the cylinder, and arranged in spiral order or rows so as to cause the cobs to pass toward the opening D; G, the suction-spout running from the fan-case along the top of the machine and extending down at one side; H, a receptacle under the jacket B having inclined floors to carry the shelled corn toward the suction-spout, which has an opening at I to let it pass through; I′, an inclined spout extending from the rear end of the case B near the opening D. The cobs from the case pass off through this spout, which has a ribbed or screen-like floor, *d*, to let the scattering corn pass through to another spout, K, which conducts it to the suction-spout. The latter is designed for the purpose of cleaning the shelled corn, which is allowed to escape from the lower end of the suction-spout. L represents the fan-case; M, the fan, on the same shaft with the studded cylinder F. N designates an opening in the back part of the suction-spout, where the latter opens into the fan-case. This opening is provided with a pivoted valve, *n*, by means of which the suction of the fan is regulated.

What I claim as my invention, and desire to secure by Letters Patent, is—

The suction-spout G, extending from the fan-case along the top of the machine and down at one side, in combination with the fan-case L, fan M, conducting-cylinder F, perforated jacket B, inclined spout H, screen *d*, and spouts I′ K, all arranged substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN HUTCHISON.

Witnesses:

R. R. PEALER,

WILLIAM NOWAK.