

(Model.)

2 Sheets—Sheet 1.

C. E. HERZOG.

POTATO PEELING MACHINE.

No. 325,078.

Patented Aug. 25, 1885.

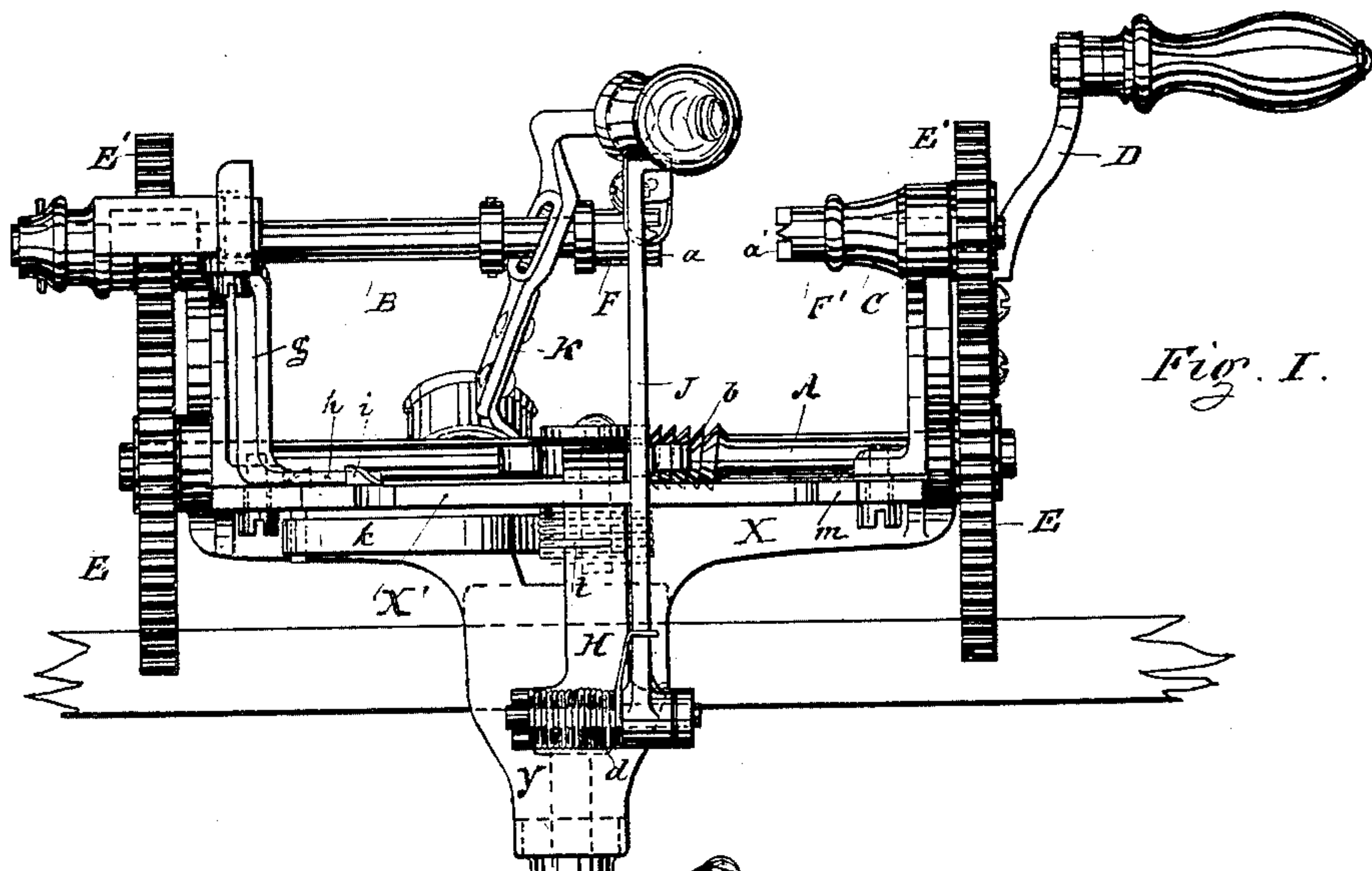


Fig. I.

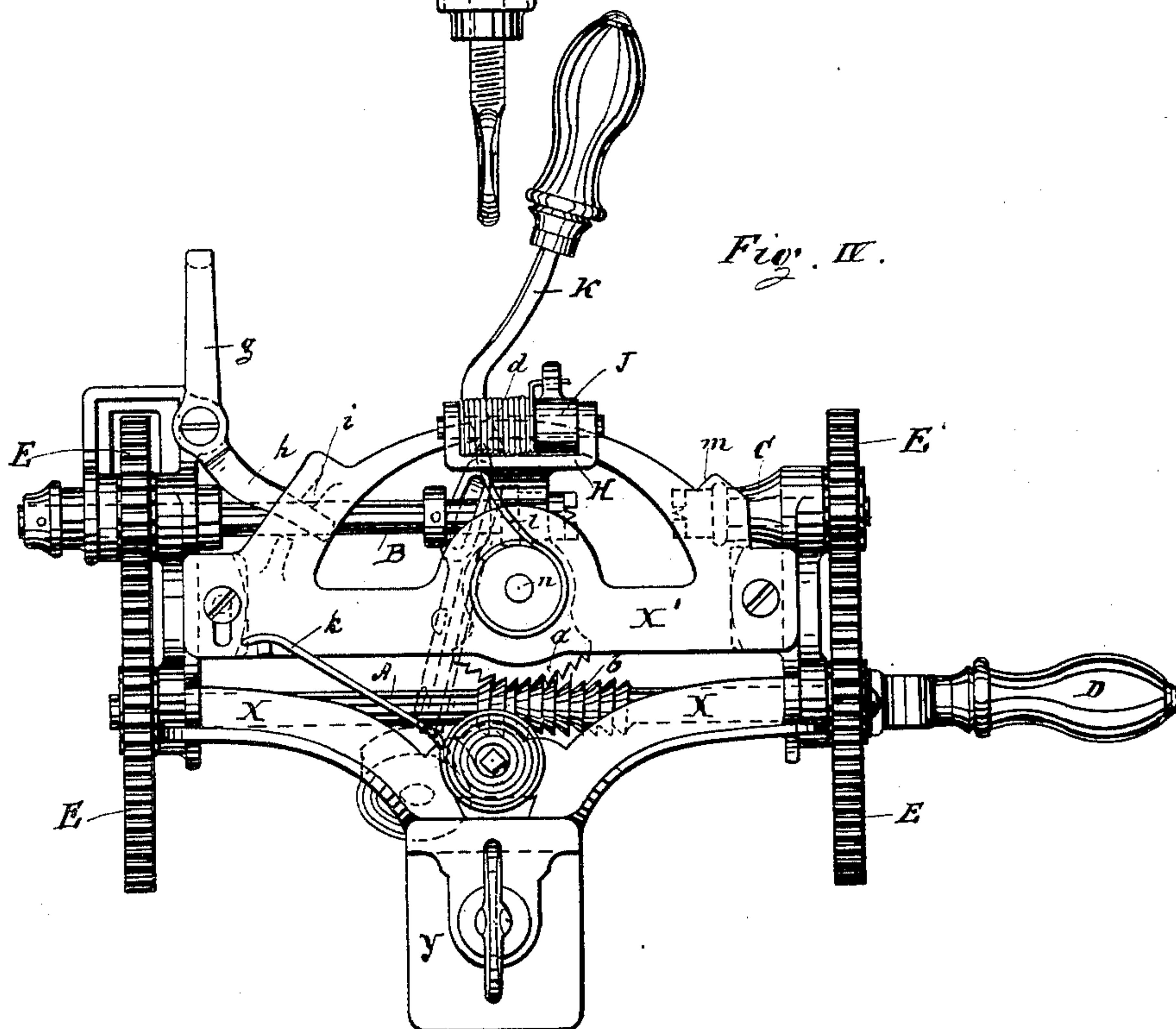


Fig. IV.

Witnesses
Wm. A. Lowe
Robert H. Roy.

Inventor.
Carl. E. Herzog
per Henry E. Rader
Attorney.

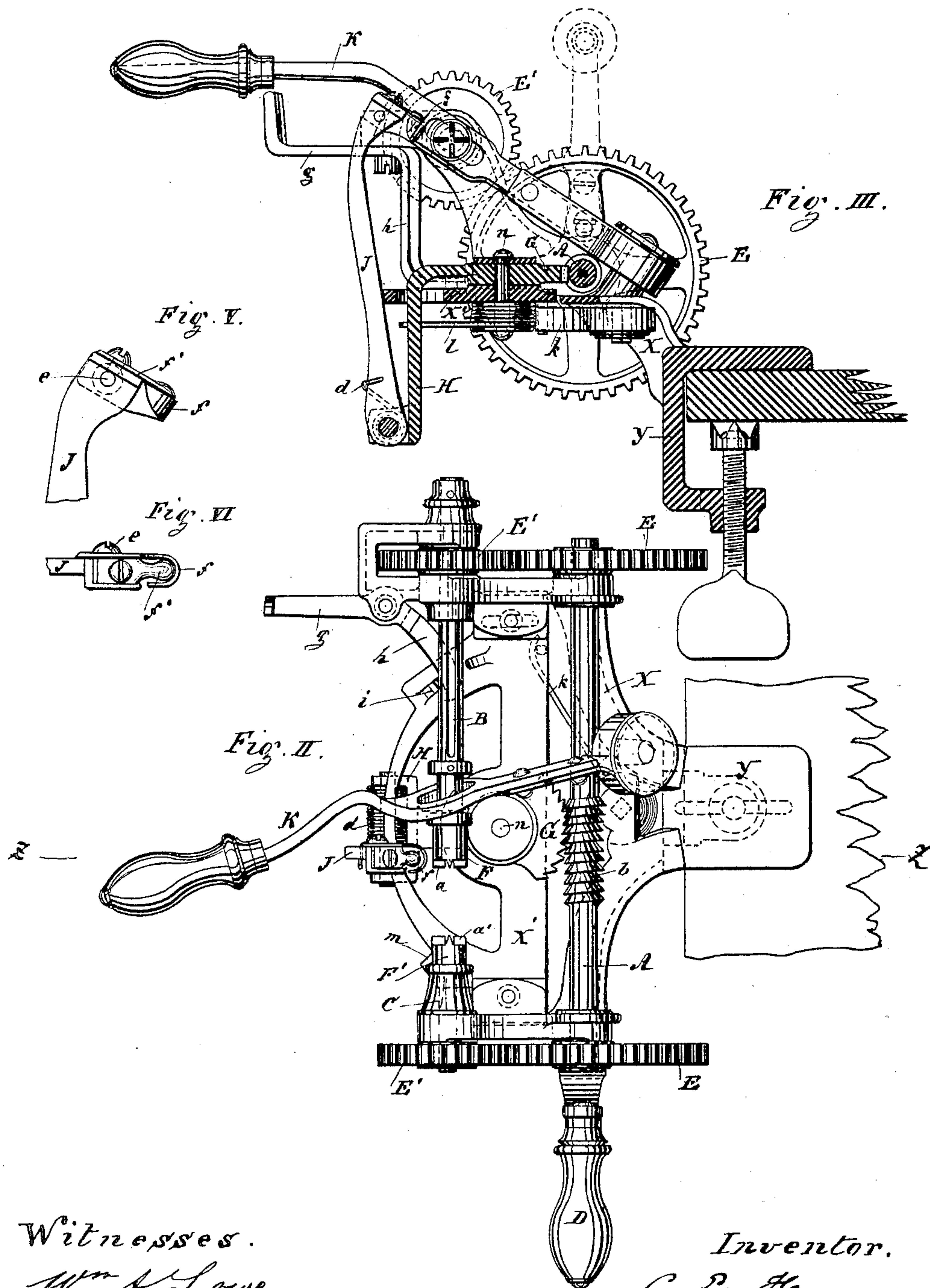
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Robt. & Roy

Inventor.
C. E. Herzog
per Henry E. Pender
Attorney

UNITED STATES PATENT OFFICE.

CARL EMIL HERZOG, OF REUDNITZ, NEAR LEIPSIC, GERMANY.

POTATO-PEELING MACHINE.

SPECIFICATION forming part of Letters Patent No. 325,078, dated August 25, 1835.

Application filed August 23, 1884. (Model.)

To all whom it may concern:

Be it known that I, CARL EMIL HERZOG, a citizen of Germany, residing at Reudnitz, near Leipsic, in the Empire of Germany, have invented a new and useful Potato-Peeling Machine, of which the following is a specification.

In the accompanying drawings, Figure I represents a front view of my improved potato-peeling machine. Fig. II is a plan or top view of the same. Fig. III is a side view and section of the same at line Z Z, Fig. II. Fig. IV is a view of the under side of the same, and Figs. V and VI are details referred to in the specification.

Similar letters represent similar parts in all the figures.

X is the frame, arranged with a suitable leg or bracket, Y, to attach the machine to a table or stand, and arranged to support the driving-shaft A and the shafts B and C, carrying the heads F F'.

The shaft A is provided with the wheels E E, to one of which is attached the crank-handle D, meshing into smaller wheels E' E', fast on the shafts B and C. The proportions of these wheels are as two to one, about, and produce an equal motion to both shafts B and C as the ends of which the heads F F', provided with pointed edges *a a'*, are attached, and between which heads the potato or other similar article to be peeled is fastened and held.

To the under side of the frame X a plate, X', is attached capable of being moved toward and away from the shaft A, and held in its normal position by a spring, *k*.

On the shaft A teeth *b*, forming a screw-thread, are made, working into a segment, G, attached to one end of a lever, H, turning on a center, *n*, fast in the plate X'. The lower end of this lever H carries the knife-lever J, as well as the spring *d*, acting upon the lever J, so as to press the same toward the shafts B C, or toward the potato held between the heads F F' on the ends of said shafts B C.

On the upper end of the knife-lever J the peeling-knife *f* (see Figs. V and VI) is attached and capable of being regulated by its screw *e*. At the same time a tongue-piece, *f'*, is attached to the top of said lever J, fitting nearly the inside curvature of the peeling-knife *f*, and by

which and the relative position of this knife *f* and tongue *f'* the thickness of the peel can be regulated.

By the action of the screw-thread *b* on the shaft A upon the segment G the knife-lever J is moved round the surface of the revolving potato attached between the heads F F' of the shafts B and C, the action of the spring *d* allowing said lever J to move nearer to or farther away from the surface of the potato, according to the irregularity of its surface or circumference.

The peeling operation always begins near the head F' and the shaft C and finishes at the head F on shaft B. When the lever J has arrived at the head F, the operation is completed and the peeled potato ready to be taken away from the heads F F'. The motion of the shaft A is then stopped, and the spring-lever K moved toward the left of the machine, whereby the shaft B will be moved away from the potato, and the projecting points *a* of the head moved out of the same, when the potato can easily be removed. The lever *g*, which turns on a center on the frame X, is then moved, whereby its outer end, *h*, engages with a pin, *i*, attached to the plate X', and moves said plate X' some distance away from the shaft A against the action of its spring *k*, by which operation the segment G will be brought clear of the screw-thread *b* in the shaft A. A spring, *l*, wound around the center *n*, upon which the lever H turns, acts then against this lever H, and moves the same, together with the knife-lever J, back again into its normal position, regulated by a projection, *m*, on the plate X'. Another potato to be peeled is then attached to the points *a'* of the head F', and the lever K, being released, will move the shaft again inward, so that the points *a* of the head F enter the potato, and thus secure the same securely between the two heads F F', when the same operation is repeated.

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

1. In a potato-peeling machine, the combination of the driving-shaft A, provided with teeth *b*, forming a screw-thread, wheels E E and E' E', shafts B and C, provided with heads F F', to which the potato is attached, lever H, with segment G, knife-lever J, with

peeling-knife *f* and spring *d*, and spring-lever *K*, the whole being arranged to operate in the manner and for the purpose substantially as described.

- 5 2. In combination with the frame *X*, the plate *X'*, having pins *i*, spring *k*, lever *g*, lever *H*, turning on center *n*, attached to the plate *X'*, spring *l*, projection *m*, and knife-lever *J*, substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CARL EMIL HERZOG.

Witnesses:

EDMUND BACH,
OSWALD SCHMIDT.