

(No Model.)

3 Sheets—Sheet 1.

F. FOSHAY.

MACHINE FOR STRIPPING FILES.

No. 253,198.

Patented Feb. 7, 1882.

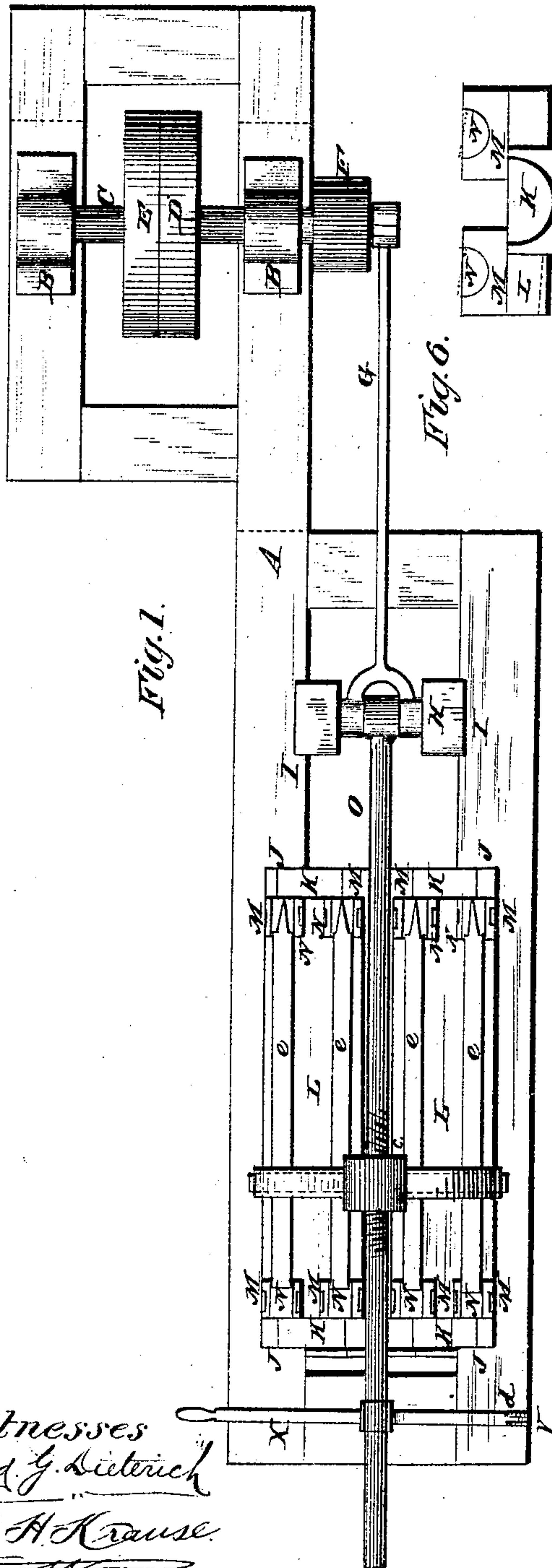


Fig. 6.

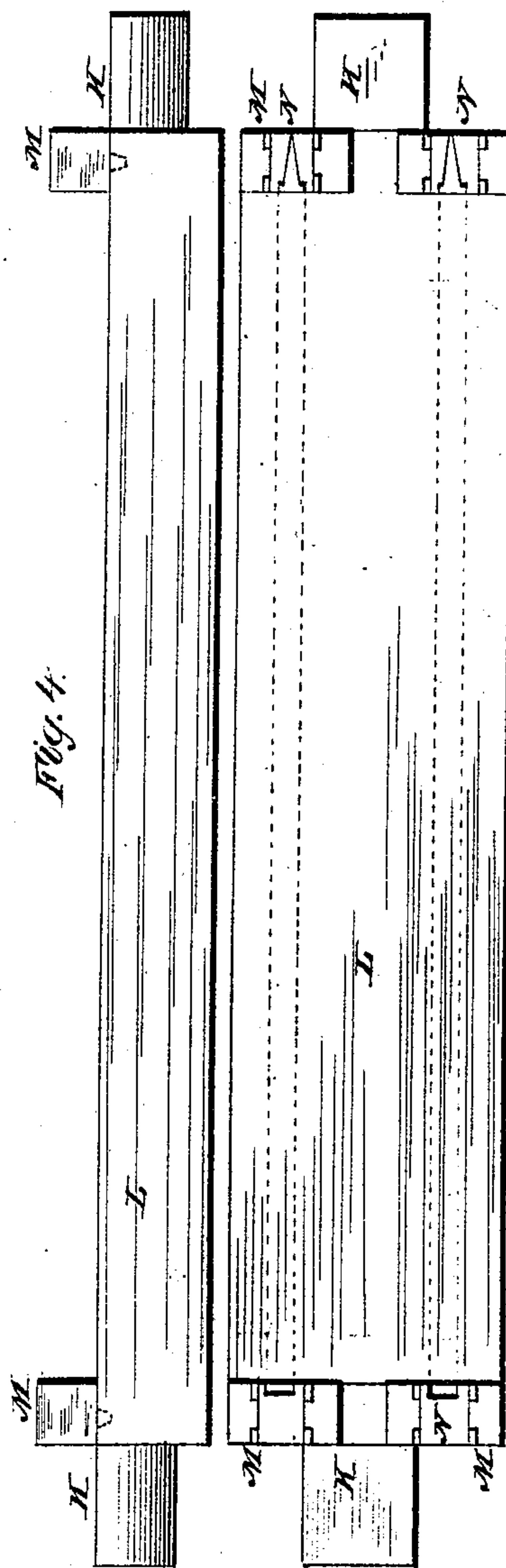
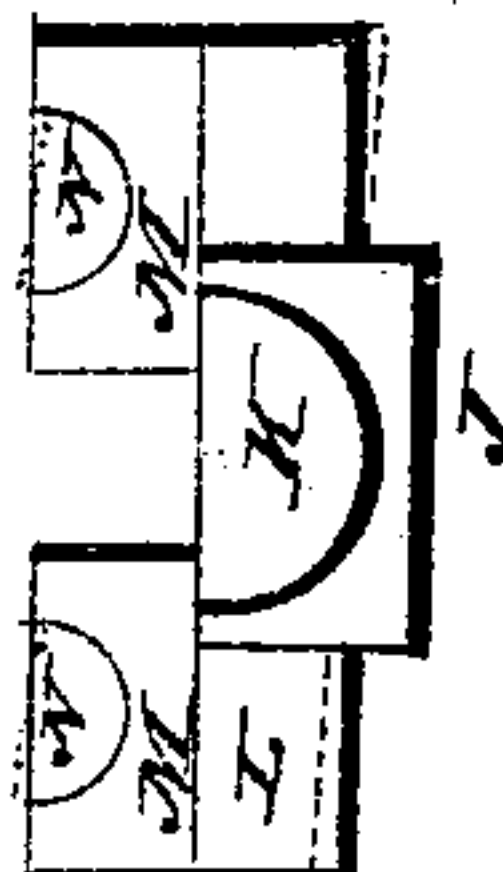


Fig. 5.

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Inventor.
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(No Model.)

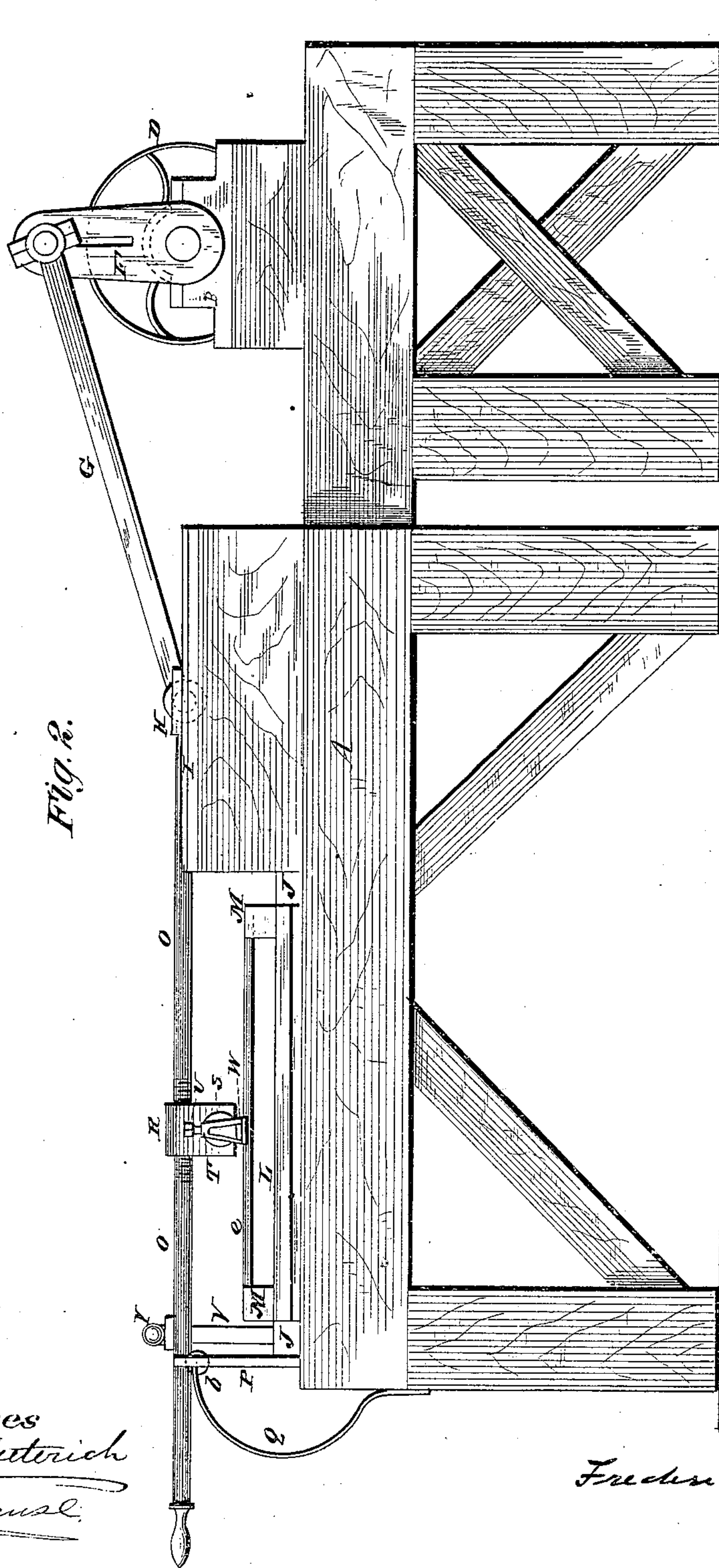
3 Sheets—Sheet 2.

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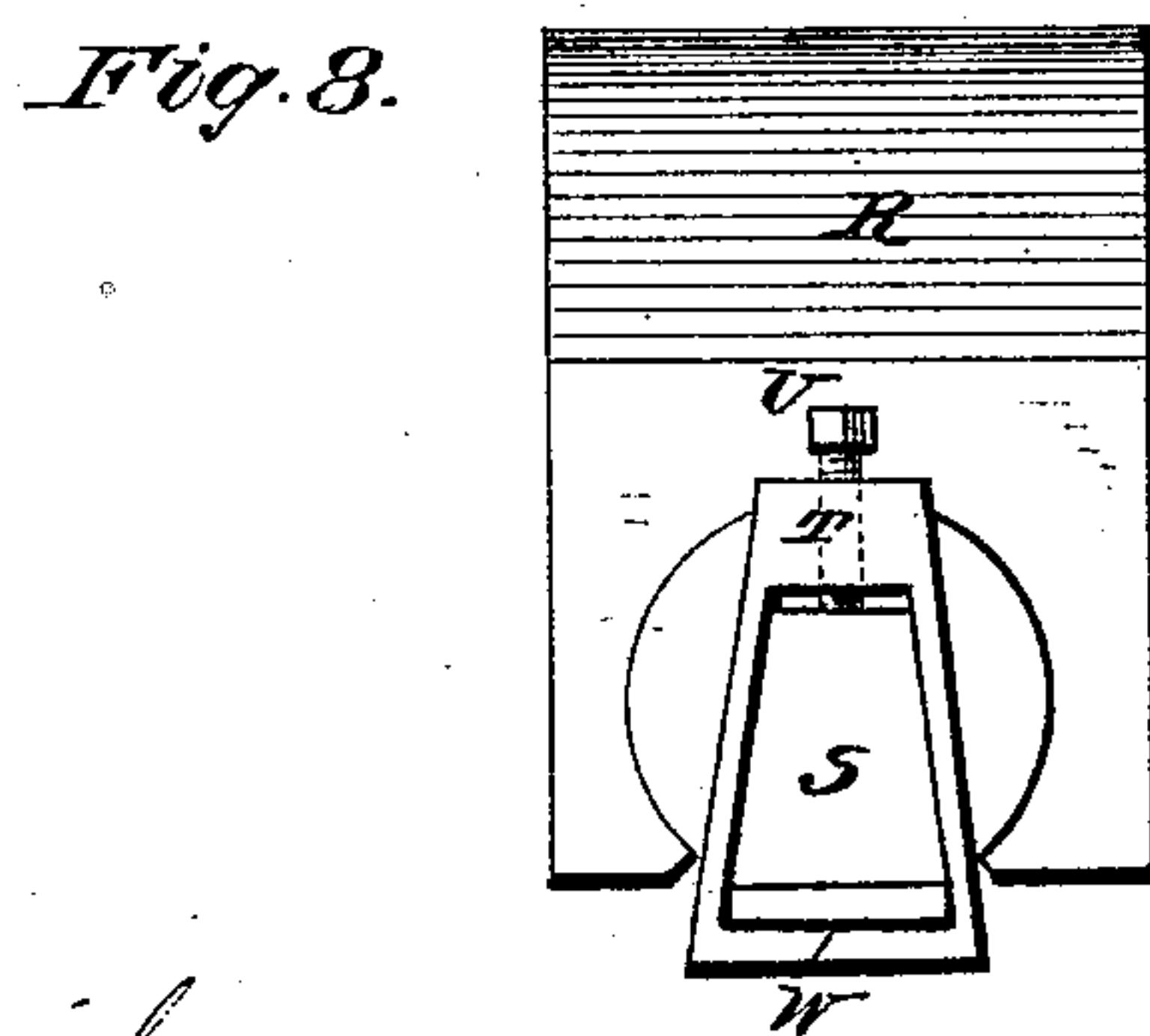
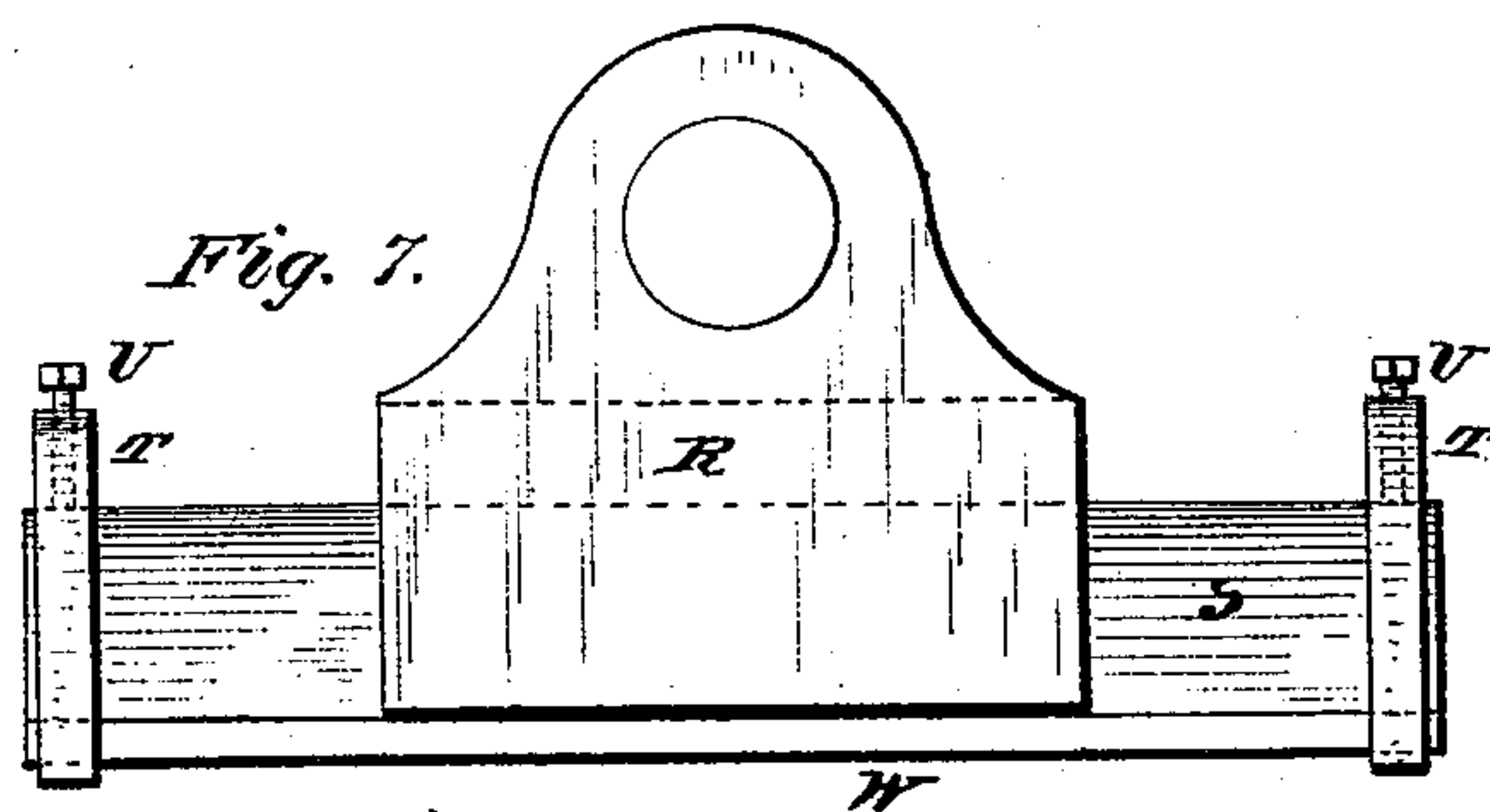
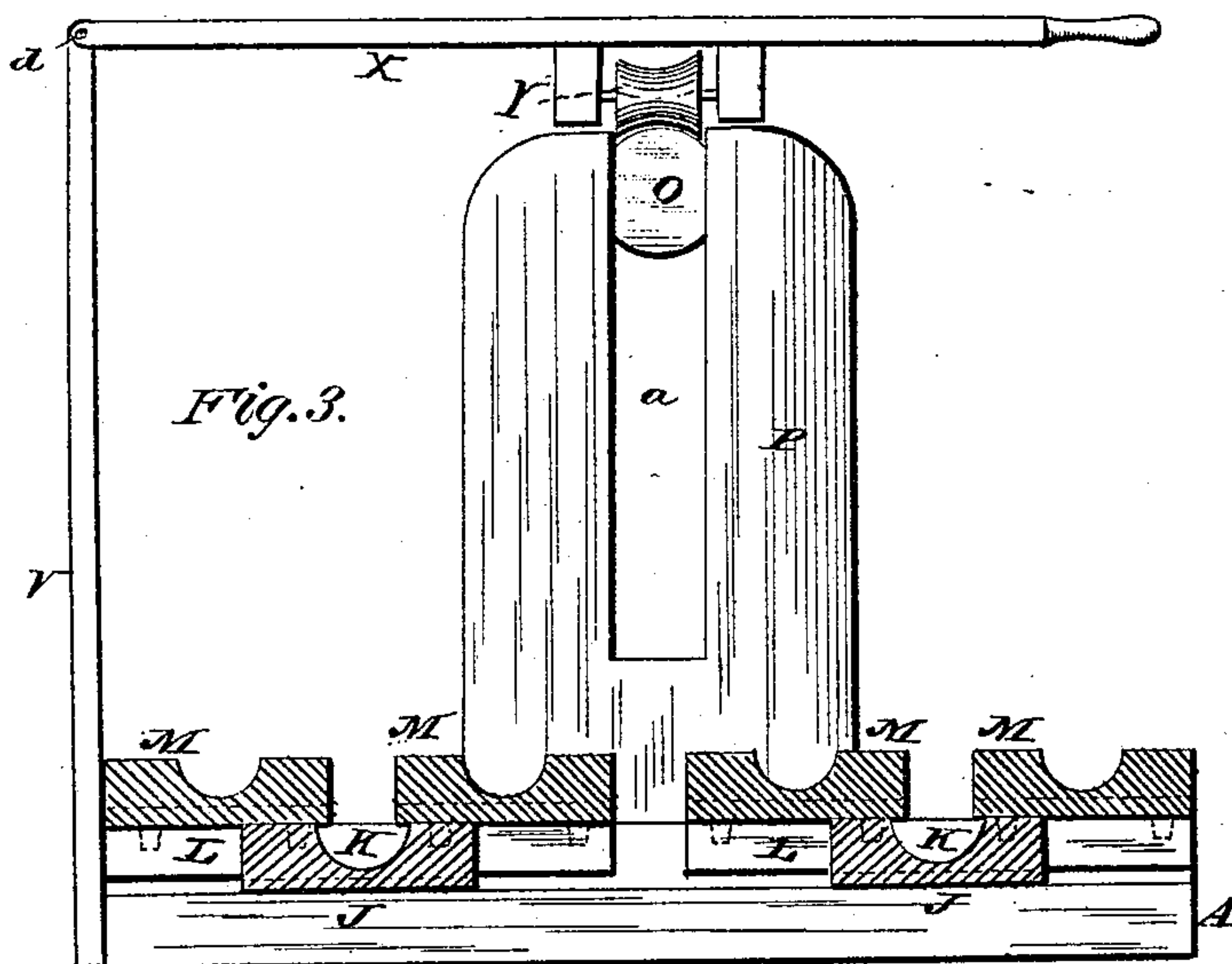
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UNITED STATES PATENT OFFICE.

FREDERICK FOSHAY, OF BEAVER FALLS, PENNSYLVANIA.

MACHINE FOR STRIPPING FILES.

SPECIFICATION forming part of Letters Patent No. 253,198, dated February 7, 1882.

Application filed June 30, 1881. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK FOSHAY, a subject of Great Britain, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in File-Stripping Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to a machine for stripping or draw-filing blanks for files; and it consists in the combination of a pivoted table or tables having independently-pivoted file-blank supports, pivoted stripping-file support or supports, and operating mechanism.

It further consists in a novel combination of parts, all as will be hereinafter fully described, and specifically designated in the claims.

To enable others skilled in the art with which my invention is most nearly connected to make and use it, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of this specification, Figure 1 is a top view or plan of my improvement in file-stripping machines. Fig. 2 is a side elevation of the same. Figs. 3, 4, 5, 6, 7, and 8 are detail views of parts of my improvement in said machine.

Reference being had to the accompanying drawings, A represents the frame of the machine, in bearings B of which is journaled a driving-shaft, C, on which are secured a tight pulley, D, and a loose pulley, E.

On one end of the shaft C is a crank, F, to the wrist of which is pivoted a pitman, G, connected to an ordinary T-head, H, which moves in slides I I.

On the frame A are secured journal-bearings J, in which are placed the trunnions K of tables L, on which are secured journal-bearings M, in which are placed the supports N for the blanks for files. In the upper faces of the supports N are recesses for the reception of the file-blanks, as indicated in Figs. 1 and 5.

To the T-head H is pivoted a lever, O, the forward end of which moves in a slot, a, in an upright, P, attached to the frame A, the under side of said lever resting upon a friction-roller, b, pivoted in the upper end of the spring Q, which may be adjusted so that only a given

pressure of the stripping-file will bear on the file-blank.

On the lever O, at c, is secured a head-block, R, in which is pivoted a support, S, for the stripping-file W, held to the support S by clamps T, having each a temper-screw, U. By this arrangement of support for the stripping-file W the stripping-file will adjust itself to any variation of the surface of the file-blank longitudinally.

To the frame A is secured an upright, V, to which, at d, is pivoted a pressure-lever, X, having a friction-roller, Y, which rests on the upper side of the lever O. This arrangement of the pressure-lever X enables the operator to apply the stripping-file W to the file-blank with varying force.

The skillful mechanic will, from the foregoing description and by reference to the accompanying drawings, readily understand the construction of the machine. I will therefore proceed to describe the operation, which is as follows:

The stripping-file W being secured to the support S, the blanks e are placed on the supports N, as shown in Figs. 1, 2, and 5. The operator then lowers the lever O, bringing stripping-file W down upon the upper surfaces of the file-blanks e, (which, when properly stripped, are turned so as to bring the lower side uppermost.) The machine being put in motion, a reciprocating motion is imparted to the head-block R and stripping-file W, the force of which can be increased to any desired degree by pressing down on the lever X. By pivoting the tables L in the bearings J, and placing the file-blanks e on the supports N, pivoted in bearings M, secured to the tables L, and pivoting the stripping-file W in the head-block R by means of the support S, a number of file-blanks (in the present case four) can be stripped at a single operation, for each file-blank has its own pivoted support, and therefore its transverse plane will adjust itself to the longitudinal plane of the stripping-file W, the transverse plane of which will adjust itself to the longitudinal planes of the several file-blanks e. By stripping several file-blanks at a single operation by the means hereinbefore described the cost of said work is greatly diminished and said work greatly facilitated, which in a

large manufactory of files is a matter of no small importance, for the number of such blanks in a large file-factory in the course of a single year will, in the aggregate, amount to millions of blanks which have to be subjected to the stripping process.

I am aware that it is common to place a file-blank on a pivoted support and support the stripping-file on a holder having pivoted bearings. Therefore I do not claim broadly the pivoting of the file-blank, nor that of the stripping-file.

Having thus described my improvement, what I claim as of my invention is—

1. In a file-stripping machine, the combination of a pivoted table or tables, L, having in-

dependently-pivoted file-blank supports N, pivoted stripping-file support or supports S, and operating mechanism, substantially in the manner as and for the purpose herein shown and described.

2. In a file-stripping machine, the combination, with the pivoted lever Q, of the pressure-lever X, provided with the friction-roller Y, and the spring O, having the friction-roller b, substantially in the manner as and for the purpose herein shown and described.

FREDERICK FOSHAY.

Witnesses:

JAMES J. JOHNSTON,
FRED. G. DIETERICH.