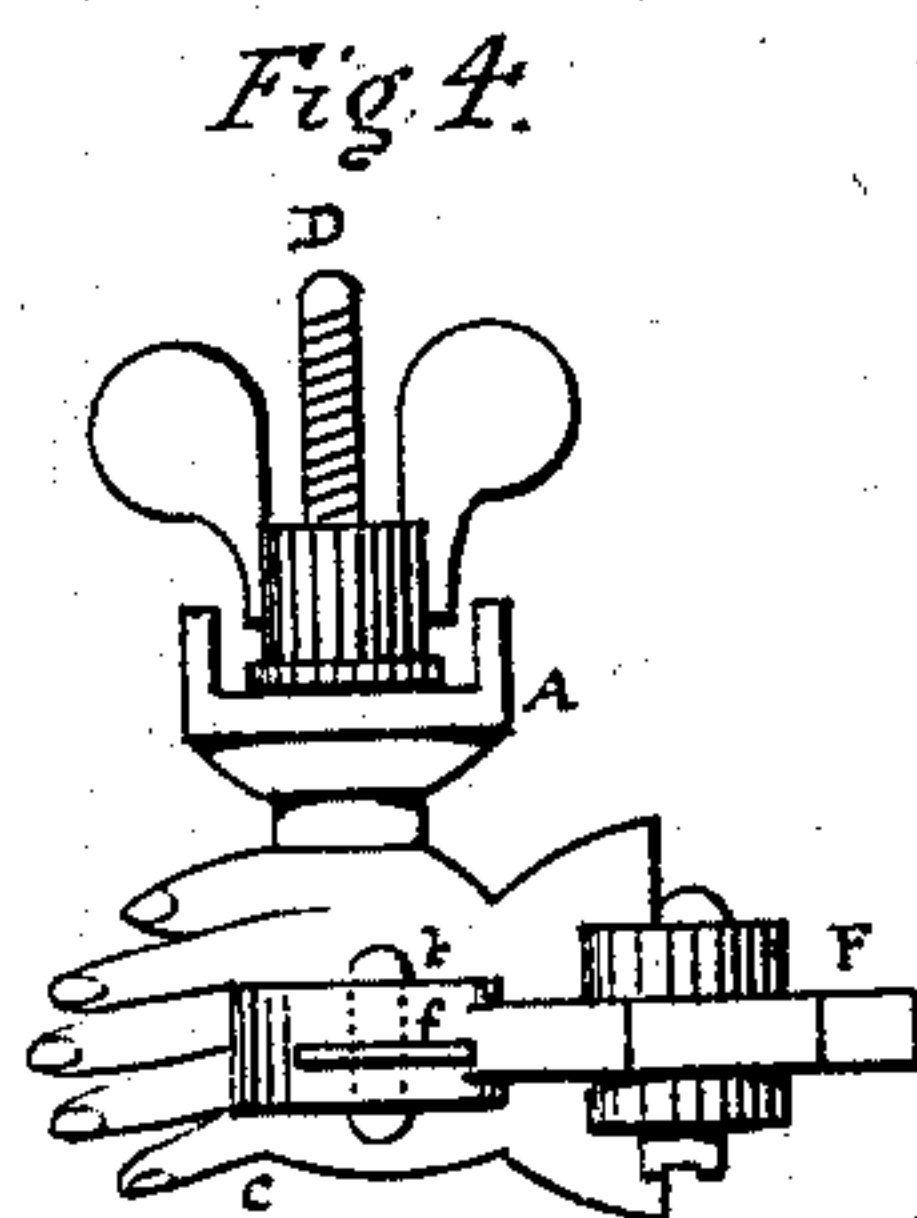
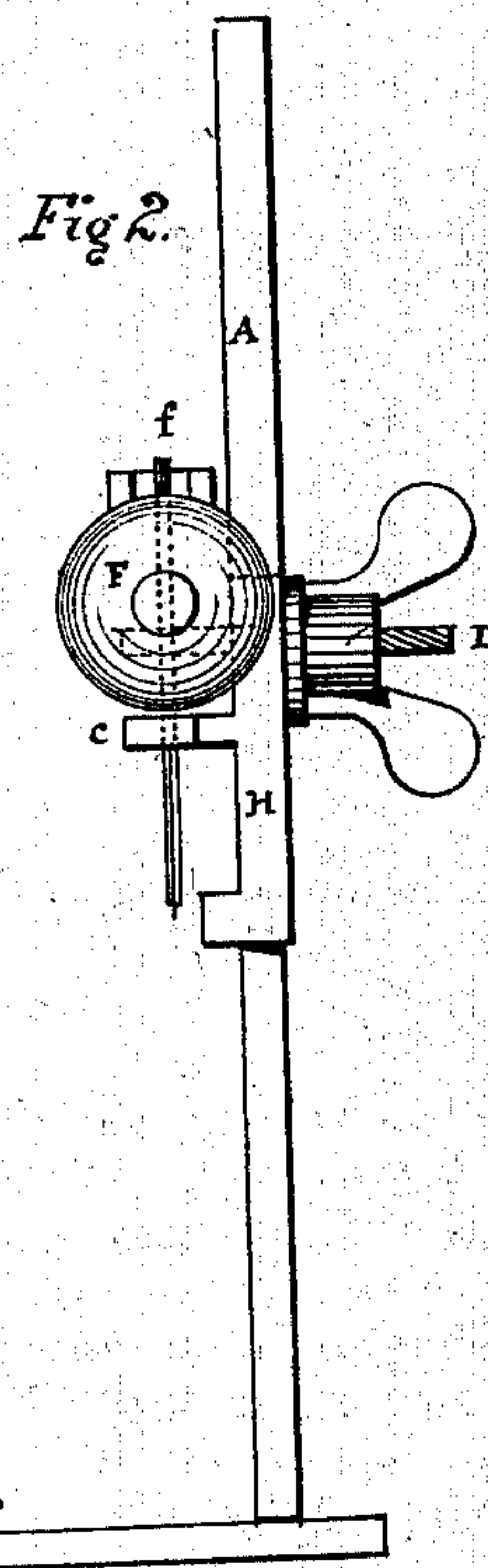
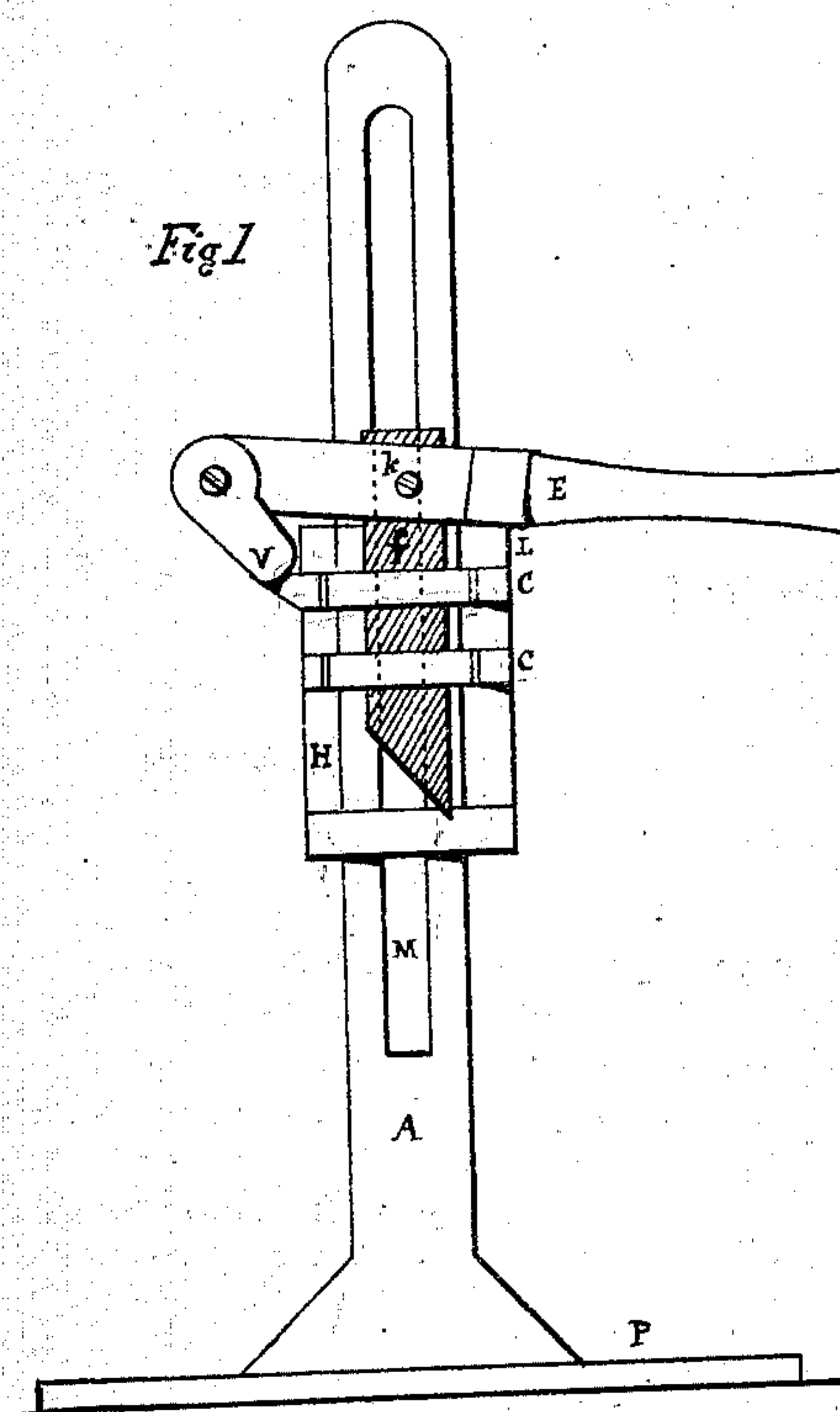


E. A. PAILLARD & Z. GOURLAN.
Can-Openers.

No. 146,355.

Patented Jan. 13, 1874.



Witnesses

J. Tomlins

Inventors

E. A. Paillard
Z. Gourlan

UNITED STATES PATENT OFFICE.

EDME ACHILLE PAILLARD AND ZACHARIE GOURLAN, OF PARIS, FRANCE.

IMPROVEMENT IN CAN-OPENERS.

Specification forming part of Letters Patent No. **146,355**, dated January 13, 1874; application filed August 16, 1873.

To all whom it may concern:

Be it known that we, EDME ACHILLE PAILLARD and ZACHARIE GOURLAN, of Paris, France, have invented an Apparatus for Opening Preserved Meat and Fish Tins, of which the following is a specification:

The object of our invention is to facilitate opening preserved-meat and other tins expeditiously and without danger.

The apparatus consists of a vertical slotted frame, A, fixed to a bottom plate, P. On this frame slides a movable carriage, H, bearing the cutting-blade *f*. This carriage is adjustable at the desired height, in accordance with that of the tin to be operated on, and is fixed by an adjusting-screw, D. The blade slides with the carriage up and down the slot or vertical aperture M in the frame A, and is actuated by a movable lever, E, which is attached by a pin, *k*, to the blade *f*. One end of this lever is articulated at *v* to the carriage H, and the other end terminates in a handle, F.

On acting by a downward pressure on the lever E, the blade *f* penetrates the tin. The blade is directed in its movements by two guides, *c c*, and the course of the lever E is determined by a detent, L.

Figure 2 is a side elevation of the apparatus. Fig. 1 is a front view of the same. Instead of the lever acting by a downward pressure, it may be arranged to act by an upward motion. Fig. 3 is a side view, and Fig. 4 a plan, of this arrangement.

We claim as our invention—

The combination, with a vertical slotted frame, A, of a vertically-adjustable carriage, H, in combination with a cutting-blade, *f*, and lever E, as and for the purposes substantially as described.

E. A. PAILLARD.
Z. GOURLAN.

Witnesses:

R. HEBRE,
T. RAYMOND.