

O. EVANS.
Pen Extractors.

No. 153,164.

Patented July 21, 1874.

Fig. 1.

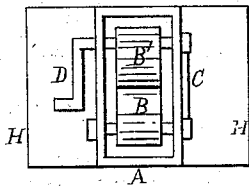


Fig. 2.

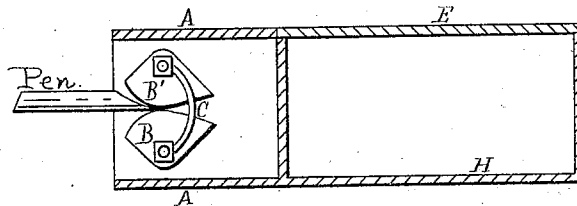
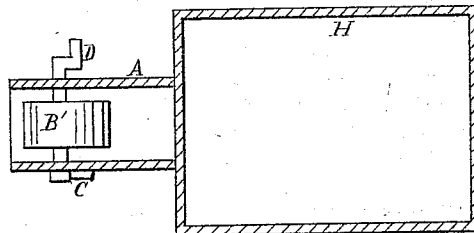


Fig. 3.



Witnesses.

Thos. Swanwick

J. M. Standish

Inventor.

Oliver Evans

UNITED STATES PATENT OFFICE.

OLIVER EVANS, OF WILLIAMSPORT, PENNSYLVANIA.

IMPROVEMENT IN PEN-EXTRACTORS.

Specification forming part of Letters Patent No. **153,164**, dated July 21, 1874; application filed August 22, 1873.

To all whom it may concern:

Be it known that I, OLIVER EVANS, of Williamsport, State of Pennsylvania, have invented a Pen-Extractor, of which the following is a specification:

I form a convenient article for removing old or worthless pens from the holder, without soiling or injuring the fingers, by means of two cam-shaped rollers, so arranged with a spring and lever that when a pen is introduced between them it will be held fast, and thus allow the removal of the pen-holder from the pen.

Figure 1 is a front view of my invention. Fig. 2 is a side elevation with the casing removed, but showing the spring, which is outside the casing; also a pen inserted between the cams. Fig. 3 is a plan view, the top removed.

A is the casing or frame of my pen-extractor, made of iron or other strong material; and B B' are cams, formed as represented, and held in position and unison with each other by spring C, which may be of steel or brass wire.

When a pen has become worthless, or from any other cause it is desired to remove it from the holder, the point of the pen is inserted between the rollers, and gently pushed forward to the curved part. The form of the cams is such that an attempt to remove the pen causes

them to bind more tightly together, and, holding the pen firmly between them, allow the withdrawal of the pen-holder, leaving the pen between the cams. Upon a slight movement with the thumb or finger on the lever or crank D, which is firmly attached to the end of the cam B', the cams return to their ordinary position, thereby releasing the pressure on the pen, and allowing it to fall or be easily removed.

I prefer to form my pen-extractor in connection with a box, H, as represented, (having a removable lid, E,) for holding pens or other small articles, thus forming a convenient, and may be ornamental, article for the writing-desk; but it will be obvious that my invention may be used without such box, or be attached to the inkstand or some other article of desk-furniture.

Instead of the wire-spring C an elastic band may be used to keep the cams in position.

I claim as my invention—

The cams B B' and spring C, in combination with supporting-frame A, adapted to serve as herein set forth.

OLIVER EVANS.

Witnesses:

J. ENTERMARKS,
J. W. STURDIVANT.