No. 738,318. PATENTED SEPT. 8, 1903.

P. GRABLER.

PEN EXTRACTOR.

APPLICATION FILED JAN. 5, 1903.

NO MODEL.

Fig. 1.

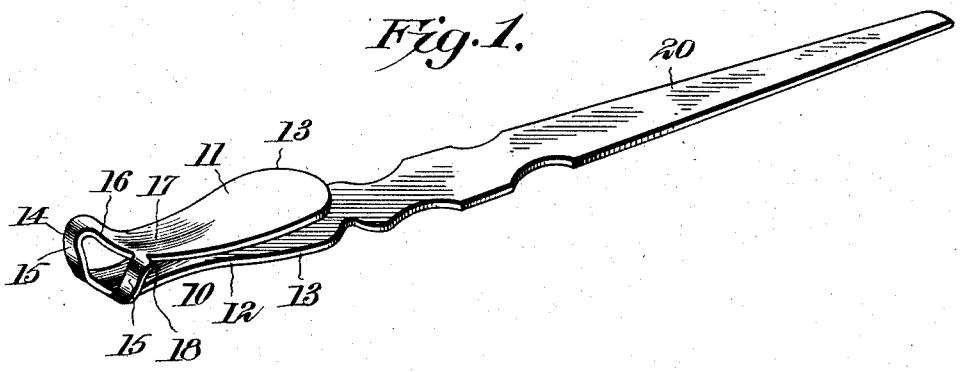


Fig. 2.

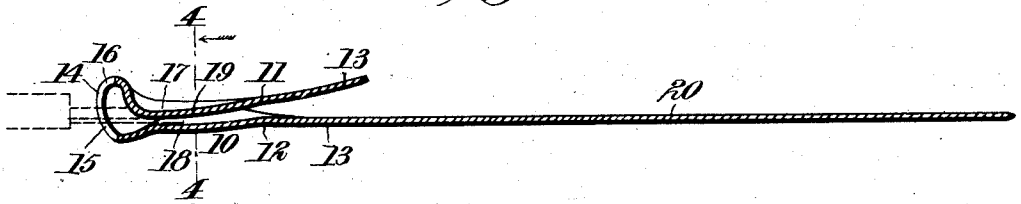


Fig. 3.

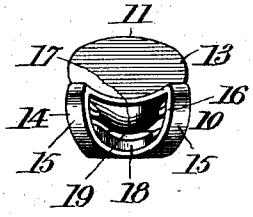


Fig. 4.

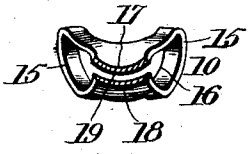
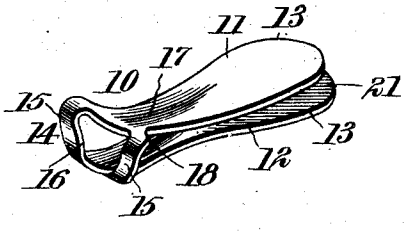


Fig. 5.



Witnesses
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No. 738,318. Patented September 8, 1903.

UNITED STATES PATENT OFFICE.

PETER GRABLER, OF CLEVELAND, OHIO.

PEN-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 738,318, dated September 8, 1903.

Application filed January 5, 1903. Serial No. 137,979. (No model.)

To all whom it may concern:

Be it known that I, PETER GRABLER, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Pen-Extractors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in pen-extractors; and it has for its object the production of a simple and inexpensive device of this character by means of which an ordinary steel or other similar pen may be readily and easily withdrawn from its holder without soiling the hands.

A further object is to produce a combination device comprising a pen-extractor and an envelop-opener all formed of one piece of metal.

In practice my improved pen-extractor is stamped out of sheet metal and the parts bent back upon themselves to form arms united by an intermediate spring portion which is cut out to form an opening. The upper arm is provided with an under convexed portion arranged to fit the concaved upper surface of the lower arm, whereby a jaw is produced which approximately conforms to the shape of an ordinary steel pen. The lower arm is elongated or extended to form a flat blade which may be employed as an envelop-opener or for other similar purposes.

The invention will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective, illustrating my invention. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a front end view. Fig. 4 is a transverse section on the line 4 4, Fig. 2. Fig. 5 is a view of a slight modification.

Referring to the drawings, 10 designates my improved pen-extractor, the same being stamped from a single piece of sheet metal and bent back upon itself to form arms 11 12, which are narrowed at their forward portions and widened at 13 to form enlarged bearing-surfaces for the fingers. The member 12 is widened into a yoke-like portion 14, forming the terminals of two approximately vertical diverging spring members 15, an opening 16 being formed therebetween. The arm 11 is crimped longitudinally to form a depending convexed rib 17 in juxtaposition with the opening 16, said rib being designed to fit the concaved surface 18 of member 12 to form a jaw 19, adapted to conform to the shape of the usual style of steel pen. The lower member 12 is also extended to form a flat blade 20 of any suitable shape adapted for use as a paper-knife, envelop-opener, or the like. In Fig. 5 I have shown a slight modification which consists in dispensing with the blade 20 and rounding off the lower member 12 at the point 21 to conform to the shape of member 11.

In using my improved pen-extractor the arms 11 12 are grasped between the thumb and forefinger and the point of the pen inserted through the opening 16 until it projects between the members of the jaw 19. A slight pressure exerted on members 11 and 12 will cause the jaw 19 to firmly grasp the pen, whereupon the latter may be drawn from its holder.

The advantages of my improved pen-extractor are apparent. It will be particularly observed that the same is simple and inexpensive in construction and that by means thereof a pen, even though badly corroded, may be readily withdrawn from its holder and deposited in a waste-basket or other suitable receptacle without soiling the hands. It will be further noted that my improved pen-extractor is so constructed as to grasp the pen above the nibs, so that danger of breaking the pen, and thus rendering the holder useless, is avoided. A further advantage is secured by combining the pen-extractor with an envelop-opener, whereby an exceedingly convenient desk accessory is obtained and danger of misplacing the extractor reduced to a minimum.

I claim as my invention—

1. A pen-extractor comprising two members united by a forward spring portion, a hole or opening being formed in said spring portion, whereby a pen may be guided to a position between said members, as set forth.

2. A pen-extractor comprising a piece of metal bent back to form jaws, said metal be-

ing cut out to form an opening, whereby a pen may be guided to a position between said jaws, as set forth.

3. A pen-extractor comprising a piece of metal bent back to form jaws, said metal being cut out to form an opening, whereby a pen may be guided to a position between said jaws, one member of said jaws being extended to form a flat blade-like portion, as set forth.

4. A pen-extractor comprising two members adapted to grasp a pen, said members being united by forward spring-like members having a space between them, whereby a pen may be guided to a position between said members, as set forth.

5. A pen-extractor comprising two members adapted to grasp a pen, said members being united by a forward spring-like portion having an opening therein, whereby a pen may be guided to a position between said members, said members being widened to form bearing-surfaces, as set forth.

6. A pen-extractor comprising two members adapted to grasp a pen, said members being united by forward, approximately vertical, spring members having an opening between them, whereby a pen may be guided to a position between said members, as set forth.

7. A pen-extractor comprising two members adapted to grasp a pen, said members being united by a forward vertical portion having an opening therein, whereby two diverging spring members are formed, said opening serving to guide a pen to a position between said members, as set forth.

8. A pen-extractor comprising two diverging members one of which is widened to form a yoke-like portion, and spring-arms uniting said yoke-like portion to the other member, said arms serving to guide a pen to a position between said members, as set forth.

9. A pen-extractor comprising a piece of metal bent back to form jaws, said metal being cut out to form an opening, whereby a pen may be guided to a position between said jaws, the upper member of said jaws being crimped to form a depending rib, the other member being concaved to receive said rib, as set forth.

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

PETER GRABLER.

Witnesses:
R. GRABLER,
M. GAILEY.