Sept. 1, 1970 J. TORRES 3,526,424

PAPER PICKER

Filed March 18, 1969

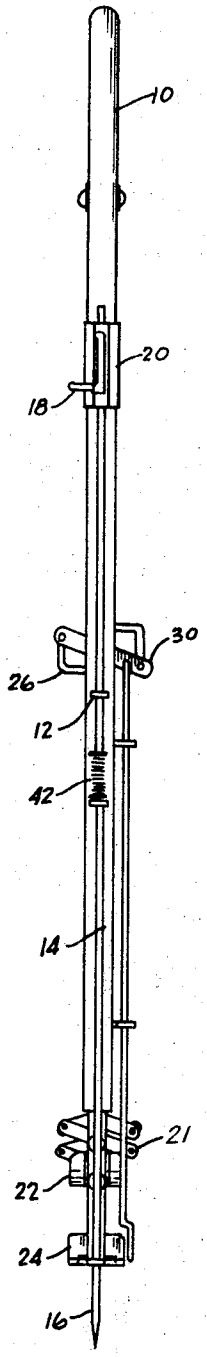


FIG. 1.

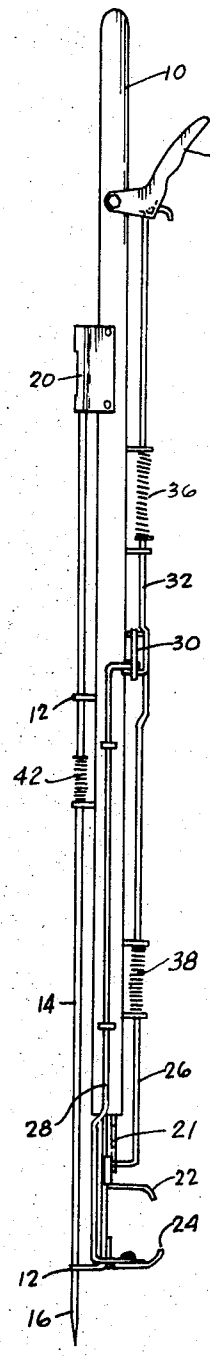


FIG. 2.

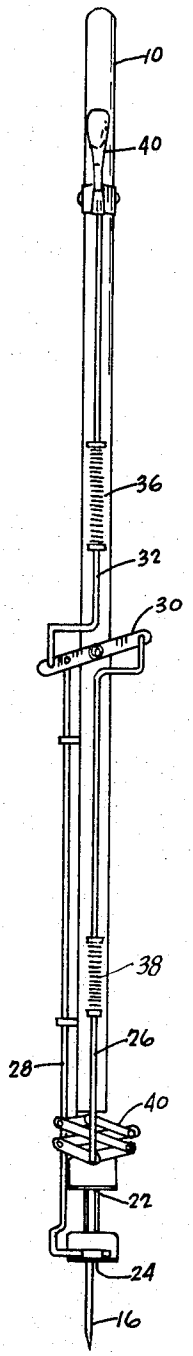


FIG. 3.

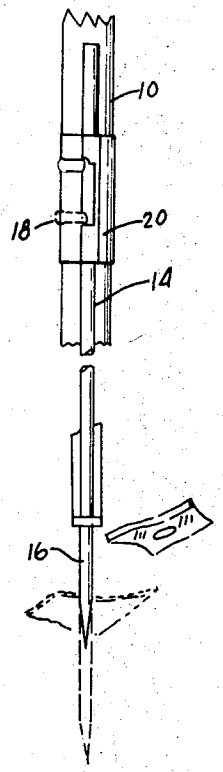


FIG. 4.

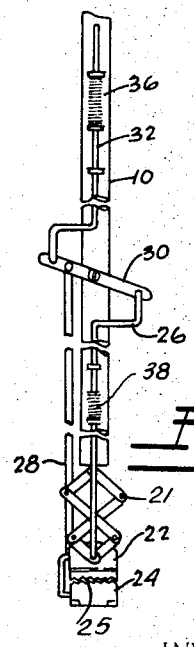


FIG. 5.

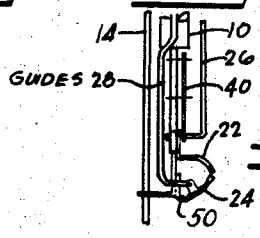


FIG. 6.

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ABSTRACT OF THE DISCLOSURE

An elongated member having an elongated prong disposed therealong and jaws or clamps for detachably grasping waste paper and the like associated therewith. Manually operable means open and close the jaws at will. Thus paper can be picked up and disposed of without bending and the like.

SUMMARY OF THE INVENTION

An elongated member has an elongated prong disposed therealong and extendable beyond the lower end of the member to variable lengths. A pair of vertically spaced upper and lower paper seizing jaws are disposed along side of the prong beyond the bottom end of the member. Linkage means secured to the member and manually operable by a handle on the member moves these jaws into and out of engagement as desired.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings:
FIG. 1 is a rear view of my invention;
FIG. 2 is a side view;
FIG. 3 is a front view;
FIG. 4 is a rear detail view;
FIG. 5 is a detail front view; and
FIG. 6 is a detail side view.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring now to FIGS. 1–6, an elongated vertical bar **10** has vertically spaced eyes **12** through which extend an elongated thin member **14** having a prong **16** at its bottom end. Prong **16** is rotatable about its own axis and has stops **18** extending at right angles in a bracket **20** whereby the prong can be moved up and down with respect to bar **10**. Prong **16** can be used to stab paper and by its adjustment in length can be easily used by individuals. It is spring loaded at **42** whereby the movement is as shown in FIG. 4.

Two vertically separated upper and lower jaws **22** and **24** are secured by linkages **26** and **28** adjacent opposite ends of a member **30** pivotally secured at its center to bar **10** at a point opposite from the member **14**. One extreme end of member **30** is also connected by linkage **32** to handle **40**. Linkage **32** is spring loaded at **36**.

Linkage **26** which is spring loaded at **38** is connected to jaw **22** by an expandable and compressible member **21**. One end of this member is secured to the bottom end of bar **10**. The other end of member **21** is secured to jaw **22**. When handle **40** is pivotally moved up, member **21** is expanded moving jaw **22** downward and into engagement with jaw **24** which is pulled upward toward jaw **22** at the same time via linkage **28**. When the handle (which is spring loaded via linkage **32** and spring **36**) is released from hand pressure, it is automatically pushed outward and pivotally downward, reversing the motions described above and pushing the jaws away from each other.

Thus, it can be seen that the jaws **22** and **24** cooperate to open and close (see FIGS. 2 and 6) in response to movement of the handle **40** with jaw **24** pivoting upward and jaw **22** sliding downward. Articles such as paper and the like are gripped, advantageously aided with serrated ends on the jaws (see FIG. 5), and held firmly therebetween until the handle **40** is released, allowing the lower jaw to pivotally open about pivot point **50** and the upper jaw to slide upward.

While I have described my invention with particular reference to the drawings such is not to be considered as limiting its actual scope.

Having thus described this invenion what is asserted as new is:

1. A device for picking paper comprising:
(a) an elongated vertical bar;
(b) upper and lower vertically spaced jaws;
(c) said lower jaw adapted to pivot about a fixed axis to thereby pivot the outer edge of said jaw from a horizontal to an angular upward position;
(d) said upper jaw adapted for vertical sliding movement to and away from contact with the outer end of said lower jaw;
(e) a handle pivotally attached to said bar;
(f) a pivotal lever attached to said bar intermediate said handle and said jaws;
(g) a first spring-loaded rod linking said handle to one end of said lever;
(h) a second spring-loaded rod linking said upper jaw to the opposite end of said lever;
(i) a rod pivotally linking said lower jaw to said one end of said lever, whereby said handle closes said jaws by vertically lowering said upper jaw and pivotally rotating said lower jaw in coordinated action, and when released, said jaws resiliently return to their open position.

2. A device according to claim **1** wherein the outer ends of said jaws are serrated to increase the gripping effect of said jaws when closed.

3. A device as set forth in claim **2** further including an elongated element disposed vertically and slidably along said bar, said element having at its bottom end a downwardly extending prong disposed below the bottom end of said bar.

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U.S. Cl. X.R.
294—50.8, 61