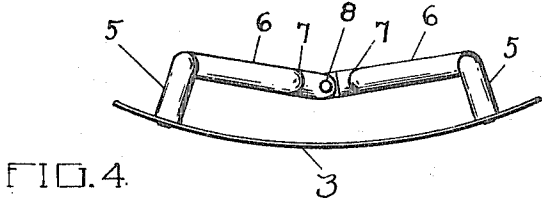
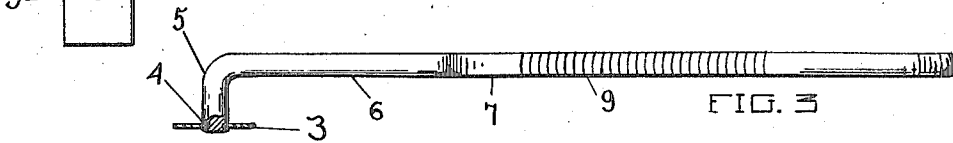
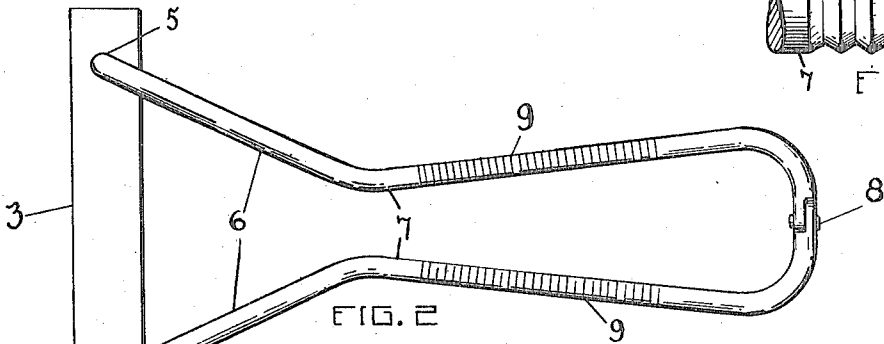
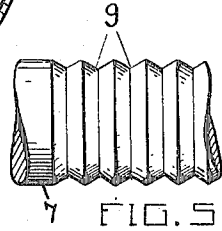
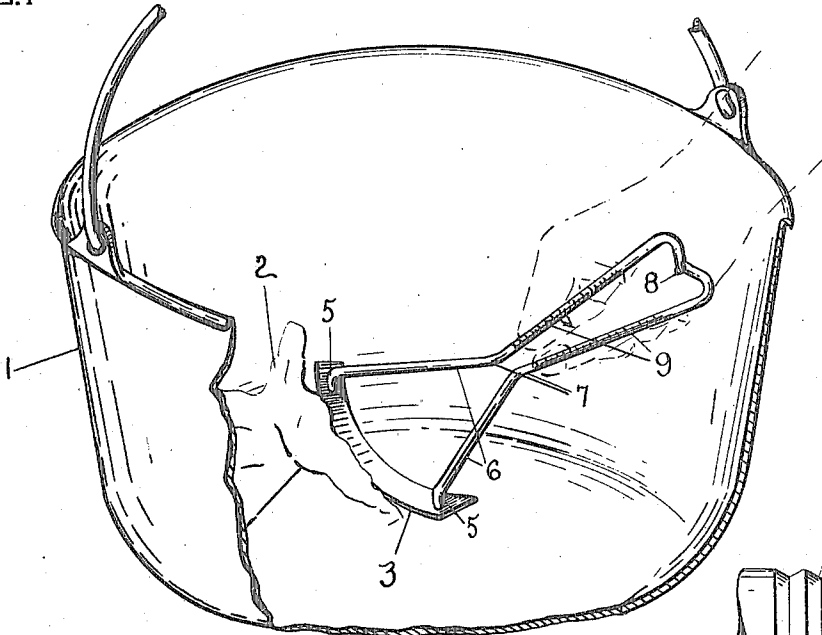


P. H. UNSINGER.
TOOL.
APPLICATION FILED JAN. 31, 1916.

1,264,350.

Patented Apr. 30, 1918.

FIG. 1



Philip H Unsinger
INVENTOR

BY *Geo Kirk*
ATTORNEY

UNITED STATES PATENT OFFICE.

PHILIP H. UNSINGER, OF FREMONT, OHIO.

TOOL.

1,264,350.

Specification of Letters Patent.

Patented Apr. 30, 1918.

Application filed January 31, 1916. Serial No. 75,206.

To all whom it may concern:

Be it known that I, PHILIP H. UNSINGER, a citizen of the United States of America, residing at Fremont, Sandusky county, Ohio, have invented new and useful Tools, of which the following is a specification.

This invention relates to handled implements.

This invention has utility when incorporated in flexible bladed pushers, as scrapers for vessels, having special utility as a culinary appliance.

Referring to the drawings:

Figure 1 is a perspective view showing an embodiment of the invention as a pot scraper;

Fig. 2 is a plan view of the tool of Fig. 1;

Fig. 3 is a side elevation of the tool of Fig. 2, with parts broken away;

Fig. 4 is a view from the left of Fig. 2, with the blade slightly flexed; and

Fig. 5 is a fragmentary view, on an enlarged scale, of a portion of the roughened handle.

The pot 1 has the adhering material 2 therein under which the blade 3 may be actuated. The blade 3 has a pair of openings 4 therein from which extend the pair of upstanding parallel posts 5 with their terminals riveted into local intermediate engagement with the blade 3 independent of the edges of the blade. From these posts 5, and normally in a plane parallel to the plane of the plate 3, project the extensions 6 merging into the handle portions 7 having the joint or hinge connection by the pivot pin 8, the axis of which is in the normal plane of the handle 7 and parallel to the plane of the blade 3. The handles 7 have roughened gripping portions comprising the annular grooves 9, each in itself endless, so that one rotation of a gripping cleaner should effectively remove any foreign matter therefrom.

The tool is of simple sanitary construction throughout, affording no foreign matter harboring nooks or recesses, all of the portions thereof being disposed for easy cleansing.

In the operation of the device, the blade 3 is thrust against the material to be loosened or removed and in this forward, downward thrust, the disposal of the posts 5 to bring the handle 7 out of the plane of the blade 3, determines the direction of normal flexing for the blade 3, as shown in Figs. 1 and 4.

This will tend to drive the blade into the desired scraping position and hold the blade to the configuration of the surface upon which the adherent substance is lodged. As force is applied in the pushing and downward direction, the flexing occurs by rocking of the handle, which rocking of the handle is a disturbance of the normal plane relations of the handle and its pivot as well as the blade.

The disposal of the pivot or hinge 8 permits this ready rocking as well as contributing to the life of the tool in that notwithstanding the ease of operation, the blade is nowhere strained or weakened, nor is there any other yielding section to be attacked by normal usage.

The local anchoring of the posts to the blade 3 permits a uniform flexing of the blade 3 throughout its entire extent, thereby allowing it to adapt itself to such configuration as the work may require. In this thrusting work position of the handle, the roughened grips are in convenient position for firm holding of the tool at all times.

What is claimed and it is desired to secure by Letters Patent is:

1. A tool embodying a blade, a jointed handle for the blade, said handle having the axis of the joint extending in the direction of the plane of the blade longitudinally of the handle.

2. A tool embodying a blade, a jointed handle for the blade extending in the direction of the plane of the blade, said handle having the axis of the joint extending parallel to the plane of the blade.

3. A tool embodying a handle having relatively movable portions normally determining a plane for the handle and rockable out of said plane.

4. A flexible blade, a pair of posts rising from a side thereof, said posts having handle extensions connected by a pivot extending toward the blade.

5. A flexible blade, a pair of posts rising from a side thereof, said posts having handle extensions extending parallel to the plane of the blade, and a pivotal connection between the extensions.

6. A flexible blade, a pair of posts rising from a side thereof, said posts having handle extensions extending parallel to the plane of the blade, and a pivotal connection between the extensions having its axis ex-

tending parallel to the extent of the handle extensions.

7. A tool consisting of a blade, and a handle embodying a pair of collapsing members
5 directly engaging the blade.

8. A tool embodying a flexible blade, and a handle therefor of normal uniform cross-section throughout its extent from the blade and back to the blade including a loop having its opposing sections relatively movable
10 for flexing the blade, said sections terminating in offset portions for mounting the blade

with its plane parallel to the plane of the handle extent.

9. A tool embodying a flexible blade, and
15 a pair of elements rigidly connected to the blade at spaced points, rising away from the plane of the blade and from thence extending in the general direction of the plane of the blade to form a handle, said elements
20 being relatively movable to flex the blade.

In witness whereof I affix my signature.

PHILIP H. UNSINGER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."