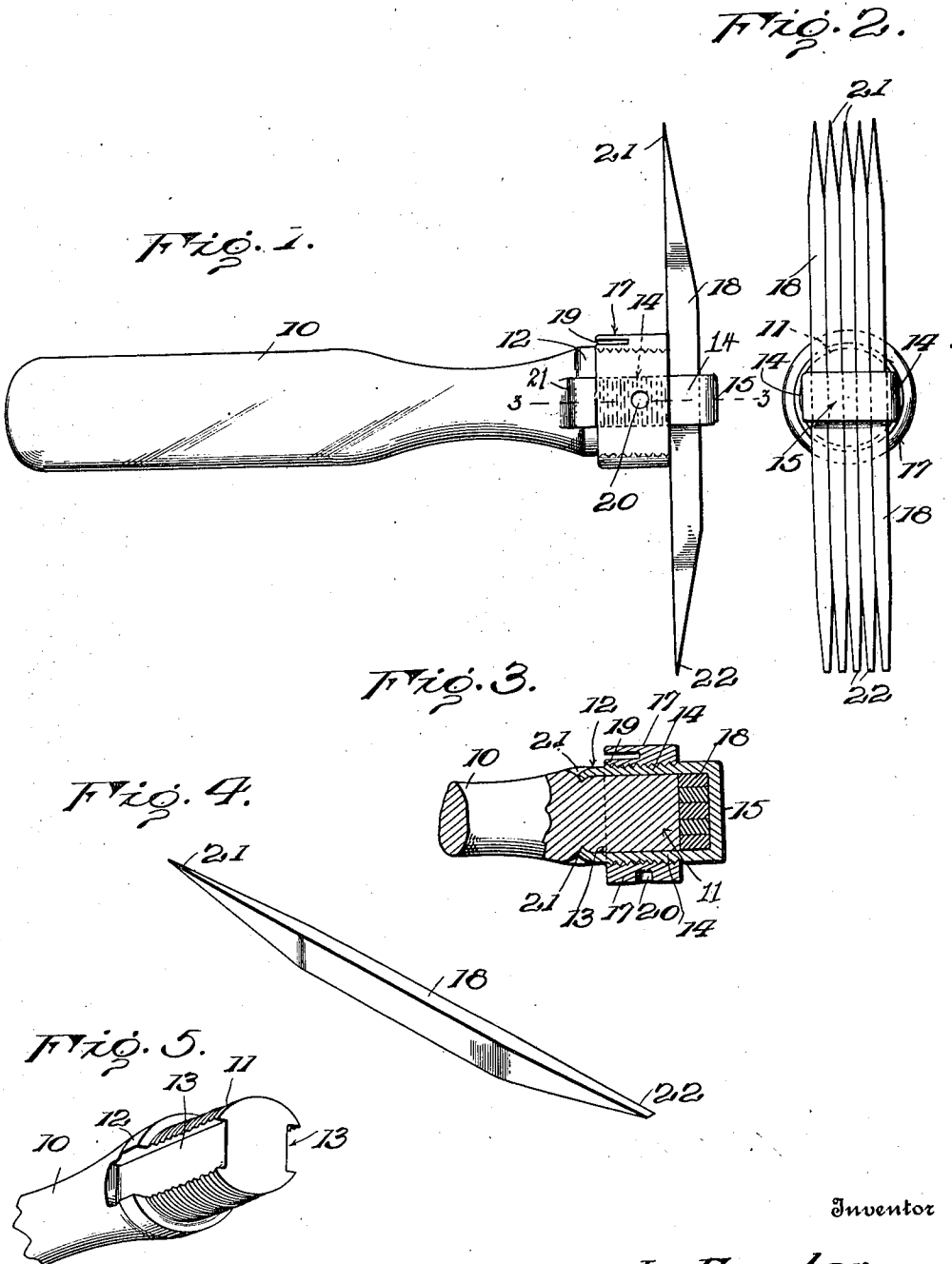


1,293,073.

Patented Feb. 4, 1919.



Inventor

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By

*Sam. Sam.*

Attorney

# UNITED STATES PATENT OFFICE.

PAUL L. FOWLER, OF OGDEN, UTAH.

## TOOL.

1,293,073.

Specification of Letters Patent.

Patented Feb. 4, 1919.

Application filed April 9, 1918. Serial No. 227,503.

*To all whom it may concern:*

Be it known that I, PAUL L. FOWLER, a citizen of the United States, residing at Ogden, in the county of Weber and State of Utah, have invented certain new and useful Improvements in Tools, of which the following is a specification.

This invention relates to implements employed for abrading or chipping surfaces of brick, stone, or the like, and has for one of its objects to provide a simply constructed implement with the abrading members in separable units clamped to a suitable handle and which may be independently detached or inserted to enable worn or impaired units to be replaced or sharpened.

With these and other objects in view, the invention consists in certain novel features of construction, as hereinafter shown and described and then specifically pointed out in the claims; and in the drawings illustrative of the preferred embodiment of the invention—

Figure 1 is a side elevation of the improved implement.

Fig. 2 is an end elevation.

Fig. 3 is a section on the line 3—3 of Fig. 1.

Fig. 4 is a detached perspective view of one of the abrading units.

Fig. 5 is a perspective view of a part of the stock or handle.

The improved implement comprises a supporting handle 10 with a reduced terminal 11 and a stop shoulder 12 between the body of the handle and the reduced portion. Formed in the opposite side faces of the reduced portion 11 of the handle are seats or recesses 13 extending through the stop shoulder 12 and adapted to receive the terminals 14 of a U-shaped clamp member 15.

The handle 10 is of hard wood, and after the side portions 14 of the clamp member are disposed in the seats 13, external pressure is applied to the ends of the side portions to compress them into the wood of the handle as shown at 21 in Fig. 3, to "lock" the clamp member in position upon the handle. The terminals 14 of the clamp member are formed with outwardly curved surfaces, the curved surfaces and the reduced portion of the handle being threaded as shown more particularly in Figs. 3 and 5.

An internally threaded ferrule or sleeve 17 engages over the reduced threaded portion of the handle and the portions 14 of

the clamp device. The body portion of the member 15 extends in advance of the reduced portion 11 of the handle, and engaging through the extended portion of the clamp member are a plurality of bars 18 with their terminals chisel-shaped or pointed to form the abrading portion of the implement. The bars 18 are arranged side by side within the clamp member 15, and when the ferrule 17 is rotated by a suitable implement, a clamping force will be applied to the members 18 to hold them in position. Any suitable means may be employed for rotating the member 17, as for instance by a cleft 19 formed in the member 17 externally of its threaded portion to receive the edge of a trowel or other implement, or the ferrule may be provided with an aperture or socket 20 to receive a pin wrench. The abrading terminals of the members 18 may be of any suitable form, but for the purpose of illustration one end of each of the members 18 is pointed as shown at 21, while the opposite end of each of the members 18 is chisel-shaped, as shown at 22, to enable the implement to be employed to produce different abrading effects or to enable the implement to be adapted to different qualities of material.

The improved implement is simple in construction, can be inexpensively manufactured, and will be found of great advantage in abrading or chipping the surfaces of brick, stone or the like, in building operations.

Having thus described the invention, what is claimed as new is:

1. An implement of the class described comprising a stock extended into a handle at one end and externally threaded at the other end, said stock being provided with longitudinally directed seats through the threaded portion thereof, a clamping device including spaced side portions disposed in said seats and externally threaded to register with the threads of the stock, a plurality of bars having cutting terminals and arranged side by side within said clamping device, and a clamping sleeve to engage the threaded portions of the stock and of the clamping device and bearing against the bars.

2. An implement of the class described comprising a stock extended into a handle at one end and externally threaded at the other end, said stock being provided with longitudinally directed seats through the

threaded portion thereof, and extending beyond the threads, a clamping device including spaced side portions disposed in said seats and externally threaded to register  
5 with the threads of the stock, the free ends of said side portions being compressed into the material of the stock to secure the clamping device in position, a plurality of bars

having cutting terminals and arranged side by side within said clamping device, and a 10 clamping sleeve to engage the threaded portions of the stock and of the clamping device and bearing against the bars.

In testimony whereof I affix my signature.

PAUL L. FOWLER. [L. s.]