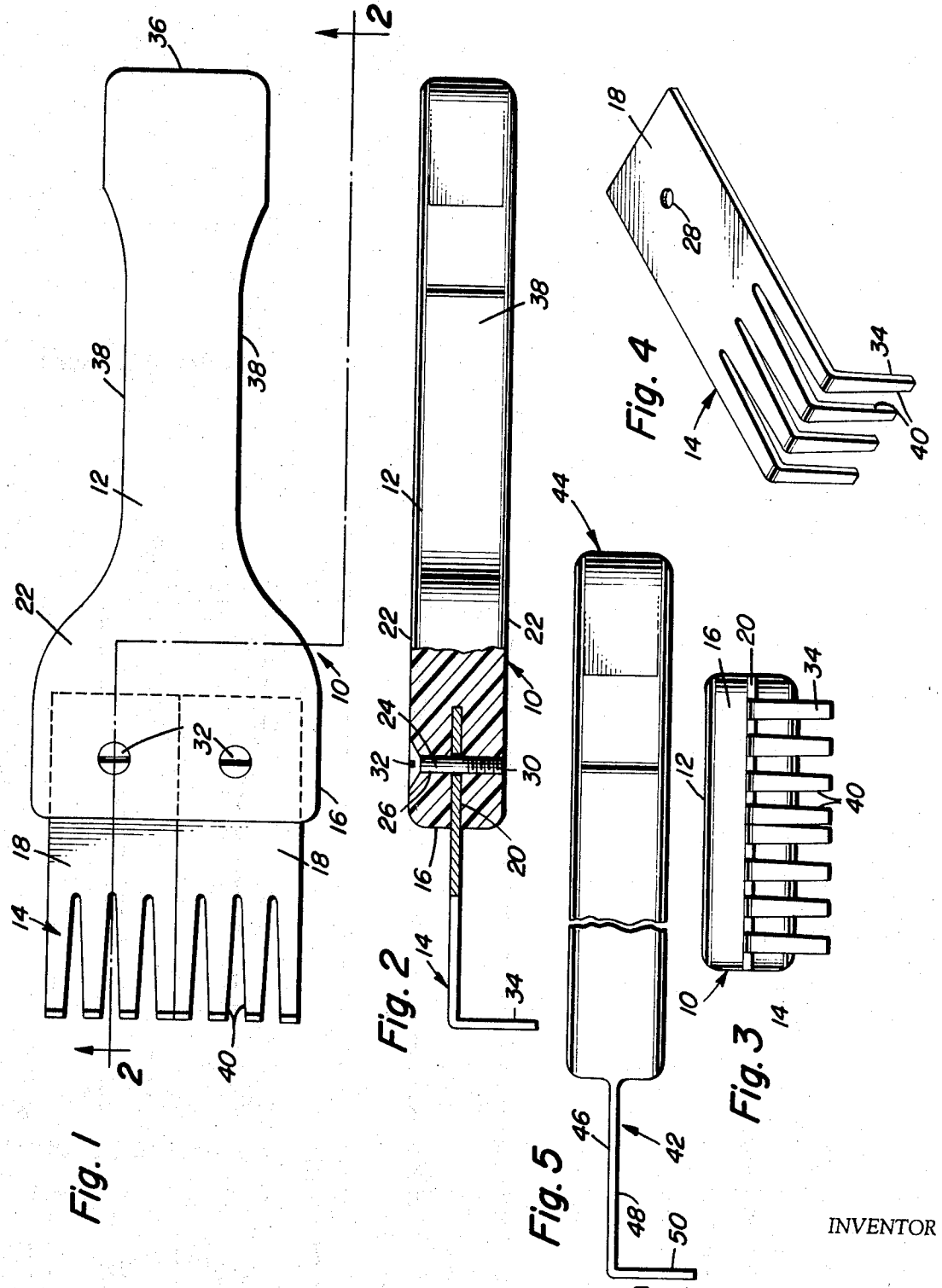
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PAINT SCRAPER HAND TOOL

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PAINT SCRAPER HAND TOOL

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ABSTRACT OF THE DISCLOSURE

A paint scraper for use as a hand tool in removing loose or scaling paint from stucco, concrete, cement block, wood or other painted rough surfaces. It consists of a handle, contoured to fit and be comfortably held in one's hand. Secured at one end, either permanently or removably, are a number of flexible, metallic tines extending at right angles of the length of the handle. The tines extend from a metal base, and one or more bases may be used, as desired.

The paint scraper held in the hand is pushed back and forth on the surface to be scraped. Tines are operative in both directions. The act of scraping keeps the tines sharpened. Should one or more tines become bent, they may be straightened by pliers or hammer. The metal is one of suitable characteristics, such as steel, stainless or otherwise, or any other suitable metal. If intended for use as a cheap, throwaway tool, its cost is kept down by permanently securing the tine base in position, as by rivets. Also, the handle and tines may be of one piece of metal. If intended for longtime use, suitable threaded studs, screws or bolts are used, either threaded into the handle, or secured by nuts or threaded sleeves or the like, depending on the composition of the handle. The handle may be of wood, or of hard plastic, such as "Bakelite."

OBJECTS

A further object of this invention is to provide a hand tool for scraping paint which comfortably fits the hand in operation, and wherein scraping tines are provided which are used in a back and forth direction, thus increasing the speed of operation, and which are self sharpening as the tool is used.

A further object of this invention is to provide a hand tool capable of carrying the functions set forth in the abstract above and having the construction described in such abstract.

DESCRIPTION OF THE DRAWINGS

With the above and related objects in view, this invention consists in the details of construction and combination of parts, as will be more fully understood from the following description, when read in conjunction with the accompanying drawing, in which:

FIG. 1 is a bottom plan view of the hand tool paint scraper of this invention.

FIG. 2 is a partly sectional view on line 2—2 of FIG. 1.

FIG. 3 is a tine end view of the hand tool.

FIG. 4 is a perspective view of a set of tines integrally extending from a common metal base.

FIG. 5 shows a one piece handle and tines and tine base.

DETAILED SPECIFICATION

There is shown at **10** the hand tool of this invention consisting basically of a longitudinal handle **12** and a plurality of right angled or L-shaped paint scraping tines **14**. The tines **14** are made of suitable flexible, resilient metal or material, secured to and extending from a large end **16** of the handle **12**. While stainless steel is a preferred material, any other steel or metal having suitable characteristics may be used for the tines **14**. A plurality of the tines **14** extend integrally from a common metal base **18** inserted in a slot **20** through the handle end **16** between two of the opposite surfaces **22** of the handle **12**.

A securing pin **24** is inserted through an aperture **26** in the handle end **16** and through an aperture **28** in the tine metal base **18** to hold the tine base **18** securely in the slot **20** of the handle end **16**. While this pin **24** may be riveted into place, for a permanent fastening in a throwaway form of this tool **10**, it is here shown as threaded at one end at **30** and provided with a screw driver cooperating kerfed head **32** so that the tines, when worn out, may be readily replaced. Obviously, any other type of suitable readily removable and replaceable securing means may be used, such as a bolt and nut or wing nut, a Phillips screw, and female threads may be in the handle as shown, or may be in a threaded sleeve. Any other type of conventional securing means may also be used.

It will be noted that the right angled teeth **34** of the tines **14** are tapered at **40** toward their tip ends, and such taper may start at the tine base **18** as shown. Two tine bases **18** with their integrally extending tines **14** are shown but, if desired, a single tine base, or three tine bases may be used.

The other end **36** of the handle **12** is smaller than the tine handle end **16**, and between the handle ends **16** and **36**, the longitudinal sides of the handle **12** are recessed as at **38** so as to make it comfortable to hold while in use scraping paint. Without in any manner limiting the invention, it is pointed out that the preferred dimensions are as follows: The overall length of the handle is six inches, its thickness is three-fourths of an inch. The width of the small end **36** is one and three-eighths inches, the width of the larger end **16** is two and one-half inches, the slot **20** is one-sixteenth inch deep and extends one inch into the handle end **16**; the tine base **18** is one and one-half inches long, one inch of which being supported in the slot **20**. The tine teeth **34** extend one-half inch below the lower surface of the tine base **16**, and the tine base **20** and tines **14** and teeth **34** are one-sixteenth of an inch in thickness. The added width of the tine bases is one and three-quarters of an inch, whether there be two tine bases **18** as shown, or one or three bases. At its narrowest area, the handle is fifteen-sixteenths of an inch in width.

In operation, the handle **12** is grasped between its enlarged ends **16** and **36**, the fingers curling about the recessed side **38**, and the right angled tine teeth **14** are scraped back and forth over any loose, scaling, peeling or blistering paint on any rough surface, such as stucco, concrete, cement block, wood or other painted rough surface. It is particularly useful for spot peeling on interior, as well as exterior building surfaces. The tapering of the tine teeth **34** reduces the bending sideways while scraping, but should they bend, they can be straightened by use of a hammer or pair of pliers without breaking. The teeth **34** are self sharpening when used on stucco, concrete or cement block; preferably, tempered steel is used to resist bending. This hand tool **10** takes the place of sand blasting in many cases, and is useful to both amateur and professional.

In FIG. 5, a one piece tool **42** is shown, having the same shape and appearance as the tool **10**, except that the handle **44** with similarly recessed sides, is integral with the tine base **46** and the tines **48** and tine teeth **50**. The one piece scraping tool is of suitable material such as steel or other metal.

Although this invention has been described in considerable detail, such description is intended as being illustra-

tive rather than limiting, since the invention may be variously embodied, and the scope of the invention is to be determined as claimed.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. A back and forth scraper hand tool for paint, stucco and like rough surfaces comprising an elongate handle, and a plurality of flexible side by side, L-shaped scraping tines extending longitudinally from and secured in one one of said handle, the short leg of the L-shaped tines extending at right angles to the long end, said long end being secured in said handle end, said short L-leg providing a scraping tooth, said scraping tooth being of substantial width and having a flat rectangular tooth end face, parallel to said long L-shaped leg of said tine.

2. The tool of claim 1, said handle being longitudinally recessed between enlarged ends to be readily held in the human hand.

3. The tool of claim 1, a plurality of said tines extending from a common metal base secured in said handle, each said tine having said tooth extending in the same direction from said common base.

4. The tool of claim 3, each said tine tapering from said base toward its tooth tip end.

5. The tool of claim 3, said handle end having a slot extending therein intermediate of and parallel to two of its opposite surfaces, and securing means extending through one of said opposite handle surfaces and fastening said tine base in a slot in said handle.

6. The tool of claim 5, said securing means composing a pin extending through one of said handle surfaces into cooperation with said tine base in said handle end slot.

7. The tool of claim 6, said pin being threaded, said tine base having an aperture through which said threaded pin extends.

8. The tool of claim 3, said tool having a plurality of tine bases, each with a plurality of tines, secured in said handle end slot in side by side relation.

9. The tool of claim 2, said handle and tines being one integral piece.

10. The tool of claim 1, the length of said scraping tooth being approximately one half an inch, the length of the long L-leg being at least approximately twice the length of said scraping tooth.

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