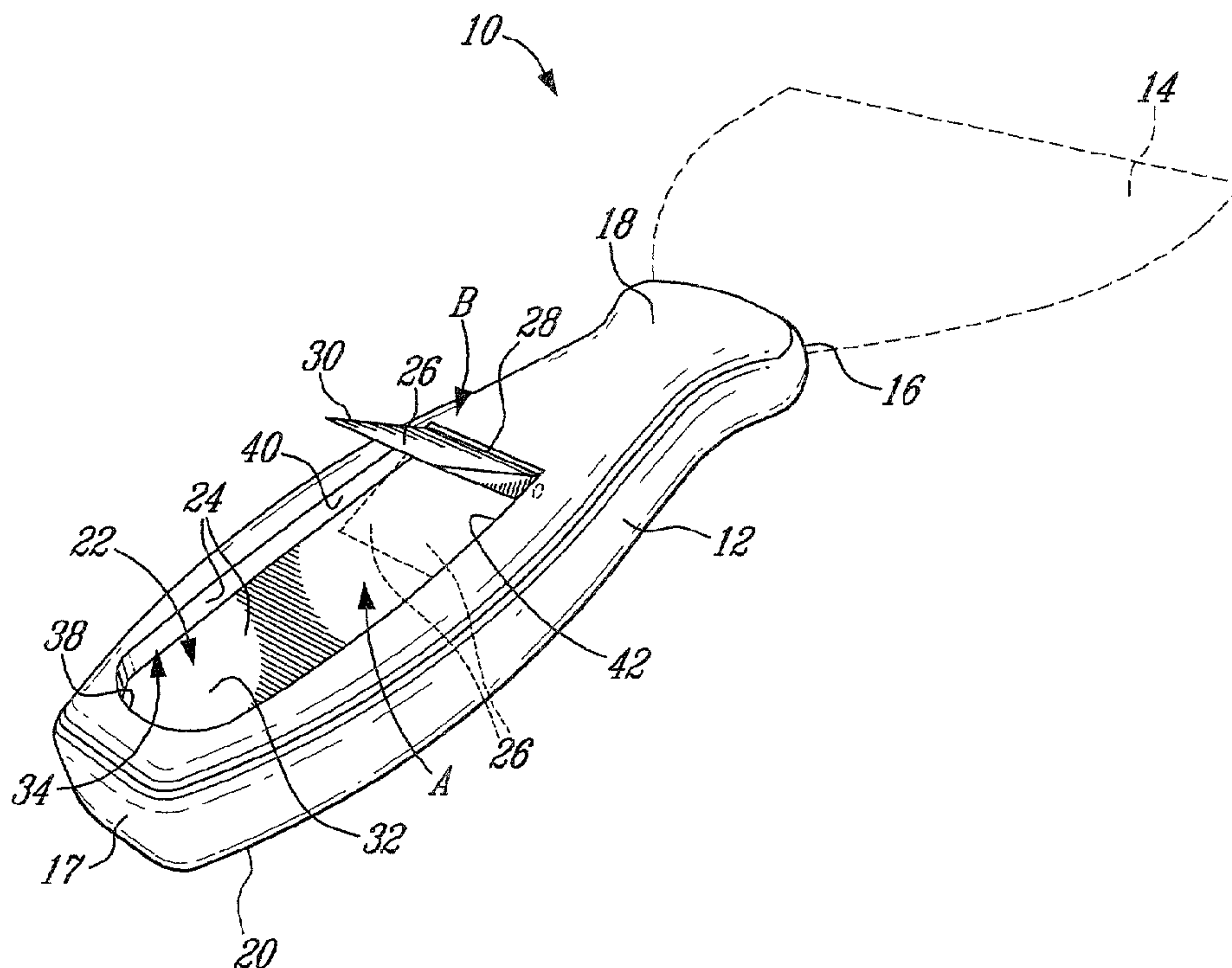




(22) Date de dépôt/Filing Date: 2003/08/20  
(41) Mise à la disp. pub./Open to Public Insp.: 2005/02/20

(51) Cl.Int.<sup>7</sup>/Int.Cl.<sup>7</sup> B44D 3/16, A47L 13/08, B25F 1/00,  
B25C 11/00  
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(54) Title: SCRAPER WITH SCREW OR NAIL REMOVER



(57) Abrégé/Abstract:

Disclosed herein is a scraper for scraping paint off a surface. This scraper comprises a handle, a scraper-blade and a nail-removing member for removing nail-members from the wall surface. The handle includes an opening defining a recessed surface. The scraper-blade is mounted to an end of the handle. The nail-removing member is moveably mounted to the recessed surface. The nail-removing member is movable between a storage position positioned within the handle opening and an operational position outwardly protruding from the handle opening.

ABSTRACT OF THE DISCLOSURE

Disclosed herein is a scraper for scraping paint off a surface. This scraper comprises a handle, a scraper-blade and a nail-removing member for removing nail-members from the wall surface.

5 The handle includes an opening defining a recessed surface. The scraper-blade is mounted to an end of the handle. The nail-removing member is moveably mounted to the recessed surface. The nail-removing member is movable between a storage position positioned within the handle opening and an operational position outwardly

10 protruding from the handle opening.

**TITLE OF THE INVENTION**

SCRAPER WITH SCREW OR NAIL REMOVER

**FIELD OF THE INVENTION**

5 The present invention relates to a scraper, for instance, for removing paint.

**BACKGROUND OF THE INVENTION**

Scrapers for removing paint are well known in the art.

10 The drawback with prior art scrapers is that they do not provide an effective way for removing the screws or nails that are caught in the walls when scraping paint therefrom for example.

There thus remains a need for an improved scraper.

**OBJECTS OF THE INVENTION**

An object of the present invention is therefore to provide a scraper with a screw and nail-removing member.

**15 SUMMARY OF THE INVENTION**

More specifically, a scraper for scraping paint off a surface, the scraper comprising:

a handle including an opening formed therein and defining a recessed surface;

20 a scraper-blade mounted to an end of the handle; and  
a nail-removing member for removing nail members in the wall surface and being moveably mounted to the recessed surface,

whereby the nail-removing member is movable between a first position within the handle opening and a second position outwardly protruding from the handle opening.

5 An advantage of the present invention is that it provides a scraper that can more effectively remove nails, screws, staples fasteners and the like.

The term "nail-member" should be construed herein to include a nail, a screw, a staple, a fastener and the like.

10 It should be noted that the terms "first" and "second" are used herein for indicative purposes only and hence are interchangeable.

15 Other objects, advantages and features of the present invention will become more apparent upon reading of the following non restrictive description of embodiments thereof, given by way of example only with reference to the accompanying drawings.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

In the appended drawings where like elements are referenced by like reference numerals and in which:

20 Figure 1 is a perspective view of a scraper of the present invention in accordance with one embodiment thereof;

Figure 2 is a perspective view of a scraper of the present invention in accordance with another embodiment thereof;

Figure 3 is a perspective view of a scraper of the

present invention in accordance with a further embodiment thereof; and

Figure 4 is a perspective view of a scraper of the present invention in accordance with yet another embodiment thereof.

### **DESCRIPTION OF THE PREFERRED EMBODIMENT**

5                   With reference to Figures 1, 2, 3, and 4, embodiments of the present invention will be herein described so as to exemplify the invention and not limit its scope.

Figure 1 shows a scraper 10 including a handle portion 12 and a scraper-blade 14 at a front end 16 of the handle 12.

10                   The handle 12 includes opposite faces 18 and 20. Face 18 is shown having an opening 22 formed therein defining a recessed surface 24 and front and rear ends 16 and 17 respectively.

15                   In this particular example, the nail-removing member 26 is a longitudinal member having one end 28 pivotally mounted to the recessed surface 24 and an opposite nail-removing end 30 defining an edge.

20                   In this particular non-limiting example, the opening 22 is a cavity and the recessed surface includes a floor 32 bordered by a peripheral wall 34. The wall 34 includes opposite ends 36 (see Figure 2) and 38 and opposite sides 40 and 42.

The nail-removing member 26 is pivotally mounted via a pivot (not shown) at its end 28 to the sides 40 and 42 near end 36 of the peripheral wall 34.

In this way, the nail-removing member 26 is pivotally moveable between a first storage position, A (shown in dotted line) and a second operational position, B. In the first position A, the nail-removing member 26 is in a generally lying position within the cavity 22. Advantageously, the wall 34 is high enough so that the remover 26 is positioned deep within the cavity 22 clearing the way for the user during scraping for example. When in use, the user pivots the nail-removing member 26 to position B, where it is generally upstanding from the floor 32 of cavity 22.

Figure 2 shows a scraper 50 in accordance with another embodiment of the present invention.

Scraper 50 is constructed similarly to scraper 10 described above and hence will not be described in detail for concision purposes only. The main difference of scraper 50 with respect to scraper 10 is that it comprises a different type of nail-removing member 52.

Nail-removing member 52 is a longitudinal member having one end 54 that is pivotally mounted to wall sides 40 and 42 via a pivot member 56 at wall end 38.

Nail-removing member 52 includes a nail-removing end 58 comprising two spaced-apart hooked fingers 60 and 62 for engaging a nail member (not shown) therebetween.

Again, nail-removing member 52 is moveable between a first storage position A' and a second operational upstanding position B'.

Figure 3 shows a scraper 54 in accordance with another embodiment of the present invention.

Scraper 54 is constructed similarly to scrapers 10 and 50 described above and hence will not be described in detail for concision purposes only. The main difference of scraper 54 with respect to scrapers 10 and 50 is that it comprises a different type of nail-removing member 56 and opening 58 therefor.

Nail-removing member 56 includes top and bottom body portions 60 and 62 respectively. Top body portion 60 is an extending longitudinal member having a nail removing free end 64 in the form of a screwdriver bit. In this non-limiting example, the screwdriver bit 64 is in the form of a standard or flat screwdriver bit. The top body portion 60 is mounted to the bottom body portion 62. The bottom body portion 62 is a cylindrical pivot member having a longitudinal aperture 66 extending from one longitudinal end 68 to another longitudinal end 70 so as to receive a support member 72 therethrough. This support member 72 is fixedly mounted to opening 58 as will be described herein.

Opening 58 is formed near handle end 16 and is a cavity having a recessed surface 74 including a peripheral wall 75. Cavity 58 includes three cavity-sections 76, 78 and 80 for respectively receiving therein the flat screwdriver bit end 64, the extending longitudinal member 60 and the pivot member 62. The peripheral wall 75 includes opposite side-walls 82 and 84 at cavity-section 80.

Support member 72 is fixedly mounted to the side-walls 82 and 84 at each longitudinal end thereof, such as end 86 (only one support member longitudinal end is shown).

In this way, the pivot member 62 pivots about support member 72 so as to move the extending longitudinal member between a first storage position A''', where it is lying within the opening 58, and a second operational position B''', where it is upstanding from the recessed surface 74.

Figure 4 shows a scraper 54 in accordance with another embodiment of the present invention.

Scraper 88 is constructed similarly to scraper 54 described above and hence will not be described in detail for concision purposes only. The main difference of scraper 88 with respect to scraper 54 is that it comprises a different type of nail-removing member 90 and that the opening 58 is near the rear end 17 of the handle 12 instead of front end.

The only difference between nail-removing member 90 and nail-removing member 56 is that the nail-removing end 92 of member 90 is in the form of a crossed or Phillips screwdriver bit. Other than this difference nail-removing member 90 is similarly constructed to nail-removing member 56.

Hence again, nail-removing member 90 is moveable between a first storage position A'''' and a second operational upstanding position B''''.

Nail-removing members 26, 52, 56 and 90 can be used to remove a variety of nail members (not shown) from a wall (not shown) when scraping paint such as and without limitation to nails, screws, fasteners, staples and the like.

5 It should be understood that the dimension of nail-removing members 26, 52, 56 and 90 as illustrated herein could vary according to the preference of the user

10 Of course a variety of suitably configured nail-removing members can be contemplated by the skilled artisan within the scope of the present invention such as without limitation, larger or small screwdriver bits of any type, pins, nails, hooks, stubs, short knives and other similar constructions of various suitable sizes and configurations.

15 The nail-removing members of the invention may be upstanding or slanted at an angle to provide leverage when being used.

20 Of course, the nail-removing members of the present invention may be positioned at different locations of the various openings described herein. The openings of the invention may be provided in a variety of sizes and configurations.

25 The opening need not be a cavity but a longitudinal aperture for fitting therein a longitudinal nail-removing member, such that the opening can extend throughout the handle 12. The nail-removing member may be spring-loaded and to be outwardly released by a latch.

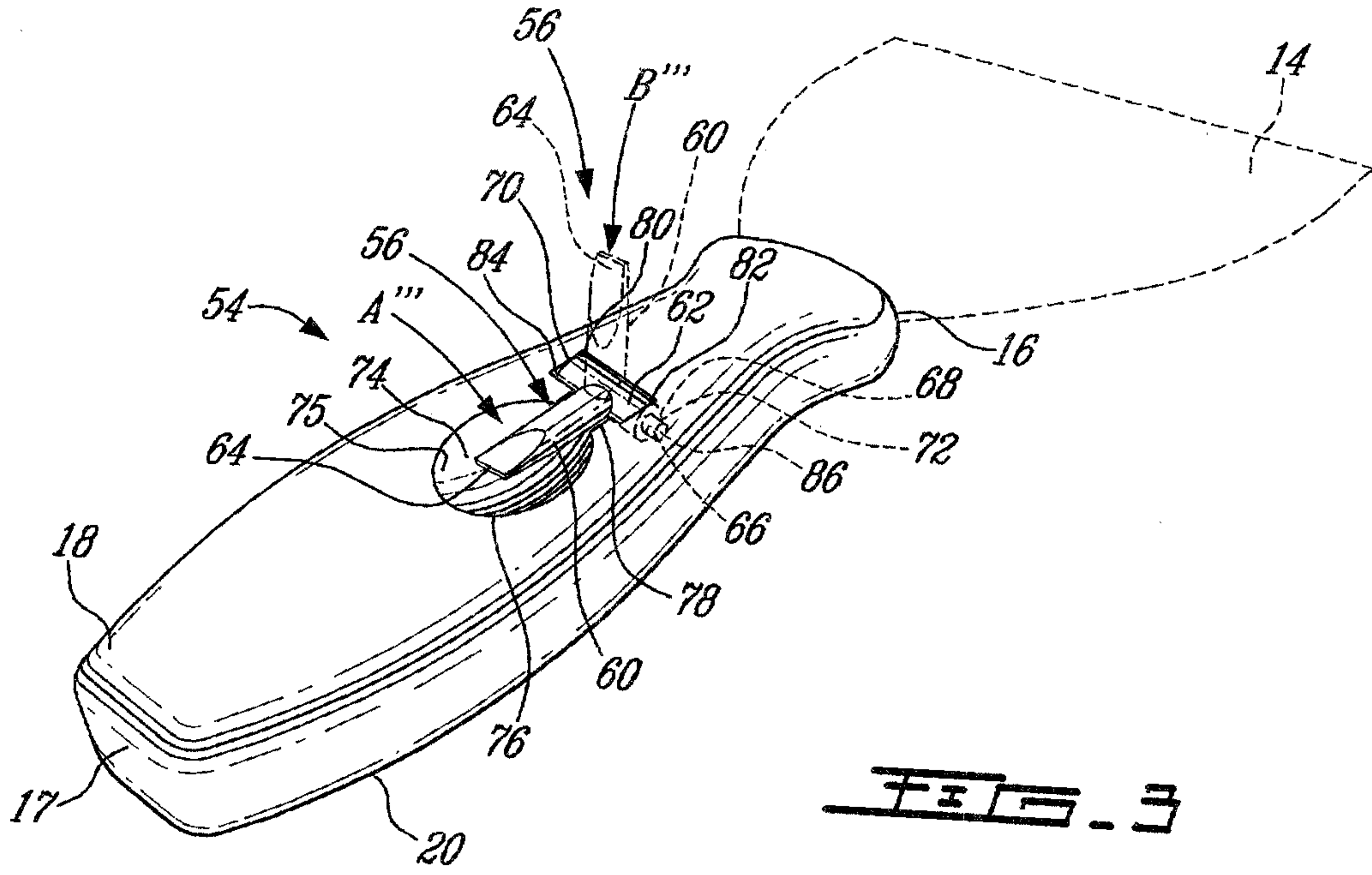
An advantage of the present invention is that it permits the user to have a strong grip on the scraper handle when using the nail-removing member of the present invention to remove a nail member. Also, the user does not need to resort to a distinct second  
5 tool to remove nails and the like from the wall.

It is to be understood that the invention is not limited in its application to the details of construction and parts illustrated in the accompanying drawings and described hereinabove. The invention is capable of other embodiments and of being practised in various ways.  
10 It is also to be understood that the phraseology or terminology used herein is for the purpose of description and not limitation. Hence, although the present invention has been described hereinabove by way of preferred embodiments thereof, it can be modified, without departing from the spirit, scope and nature of the subject invention as defined in  
15 the appended claims.

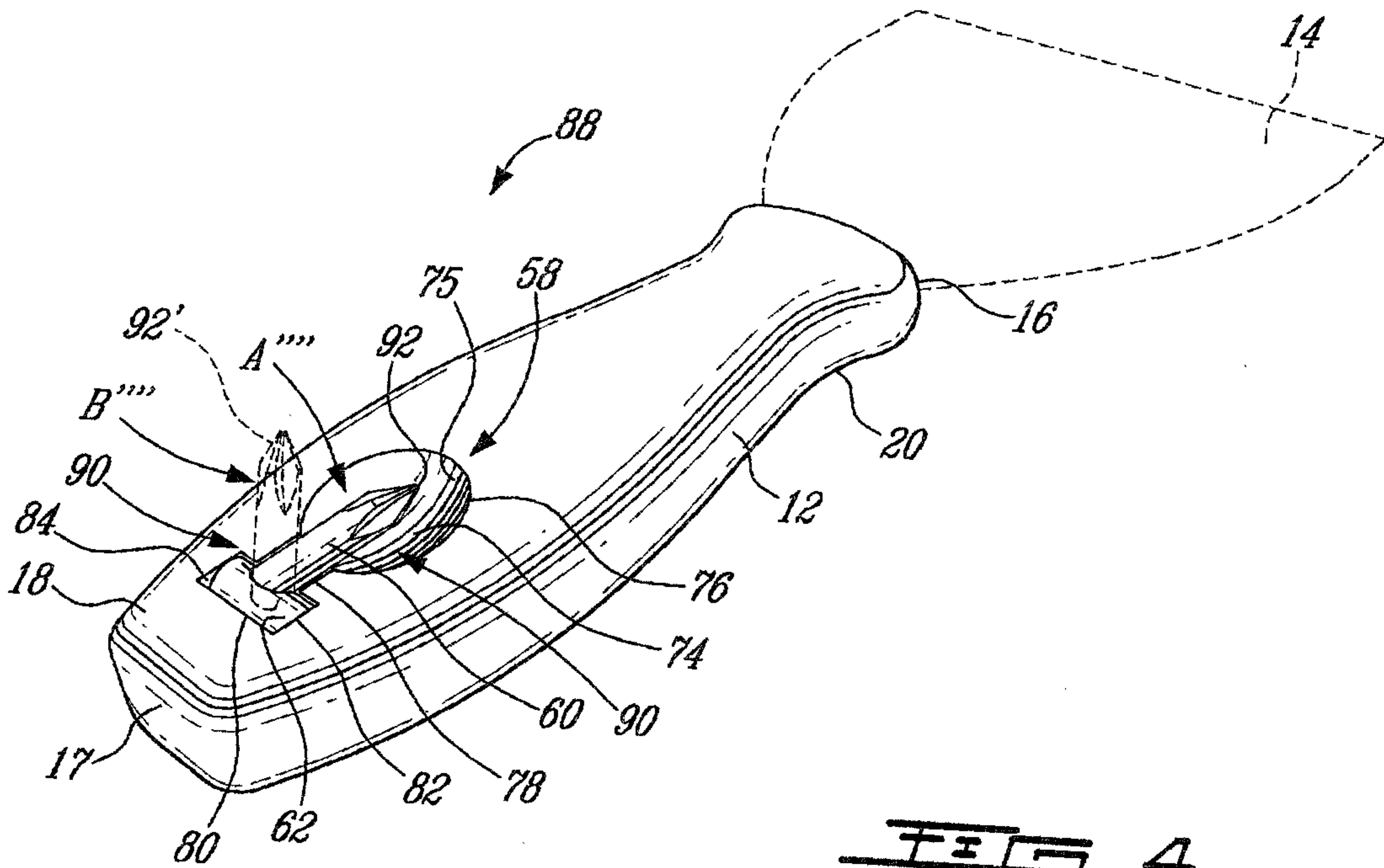
WHAT IS CLAIMED IS:

1. A scraper for scraping paint off a surface, said scraper comprising:
- 5 a handle including an opening formed therein and defining a recessed surface;
- a scraper-blade mounted to an end of said handle; and
- 10 a nail-removing member for removing nail members in the wall surface and being moveably mounted to said recessed surface, whereby said nail removing member is movable between a first storage position within said handle opening and a second operational position outwardly protruding from said handle opening.
2. A scraper according to claim 1, wherein said nail-removing member is a longitudinal member having one end moveably mounted to said recessed surface and an opposite nail removing end.
- 15
3. A scraper according to claim 2, wherein said nail-removing member is pivotally mounted to said recessed surface.
- 20
4. A scraper according to claim 3, wherein said opening is a cavity, said nail-removing member being in a generally lying position within said cavity when in said first position and in a generally upstanding position when in said second position.
- 25
5. A scraper according to claim 1, wherein said nail-removing member is adapted to remove from the surface at least one of: a, nail, a fastener, a screw, and a staple.





**FIG. 3**



**FIG. 4**

