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Disch et al.(10) **Pub. No.: US 2014/0013681 A1**(43) **Pub. Date: Jan. 16, 2014**(54) **NON-SKID STAIR NOSING****Publication Classification**(71) Applicant: **Handi Products, Inc.**, Libertyville, IL (US)(51) **Int. Cl.**
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CPC **E04F 11/16** (2013.01)
USPC **52/179**(73) Assignee: **Handi Products, Inc.**, Libertyville, IL (US)(57) **ABSTRACT**(21) Appl. No.: **13/905,603**

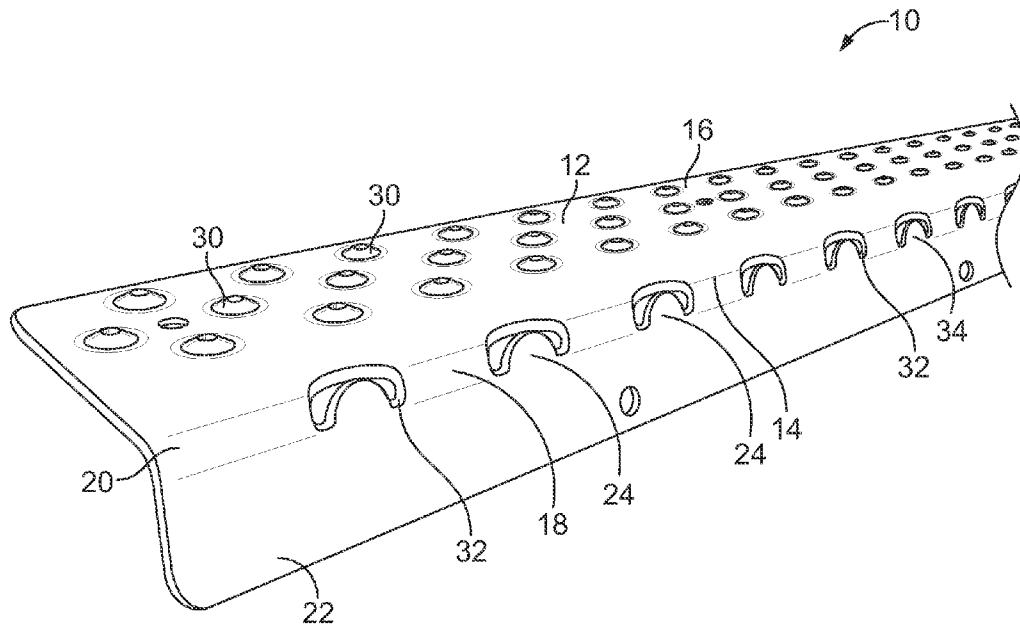
In an embodiment of the present invention, a stair nosing is provided. The nosing includes a generally flat portion having a first side and a second side. The nosing also includes a bent portion extending along the first side of the flat portion. The bent portion includes an arcuate section and a vertical section. The arcuate section includes a first plurality of non-skid members.

(22) Filed: **May 30, 2013**

In another embodiment of the present invention, a stair nosing formed from a blank of material is provided. The blank includes a first side and a second side. The blank is also bent along the first side to form a flat portion, an arcuate portion and a vertical section. A plurality of cutouts is located along the arcuate portion. The cutouts are adapted to form a first plurality of non-skid members.

Related U.S. Application Data

(60) Provisional application No. 61/670,680, filed on Jul. 12, 2012.



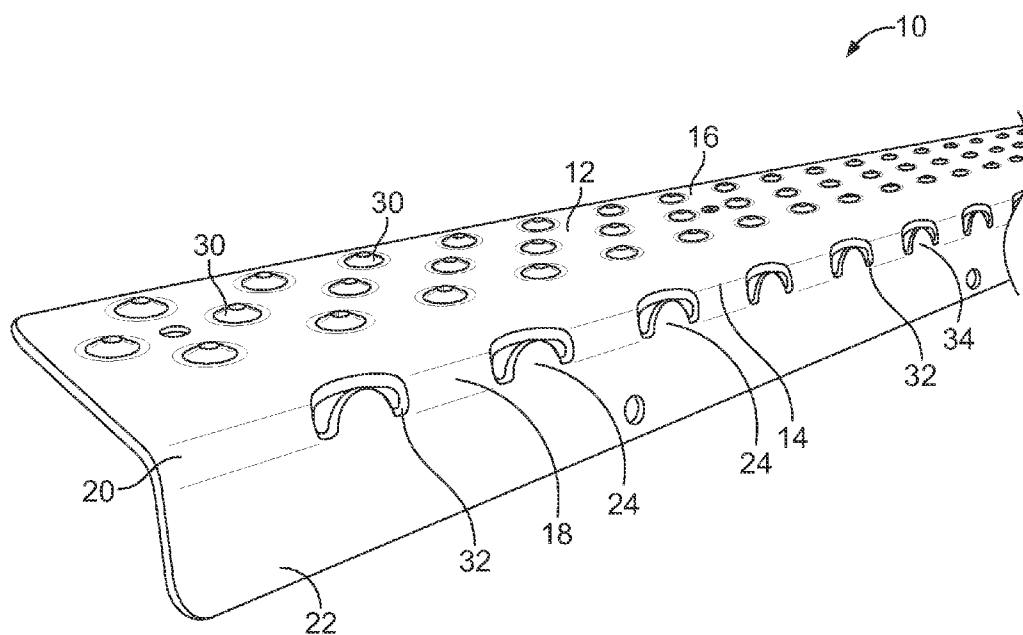


FIG. 1

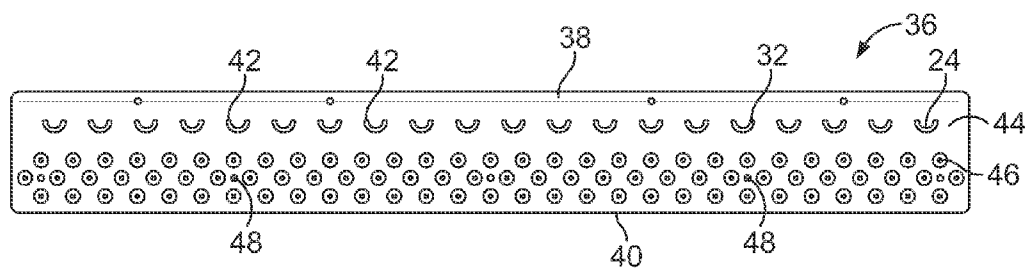


FIG. 2

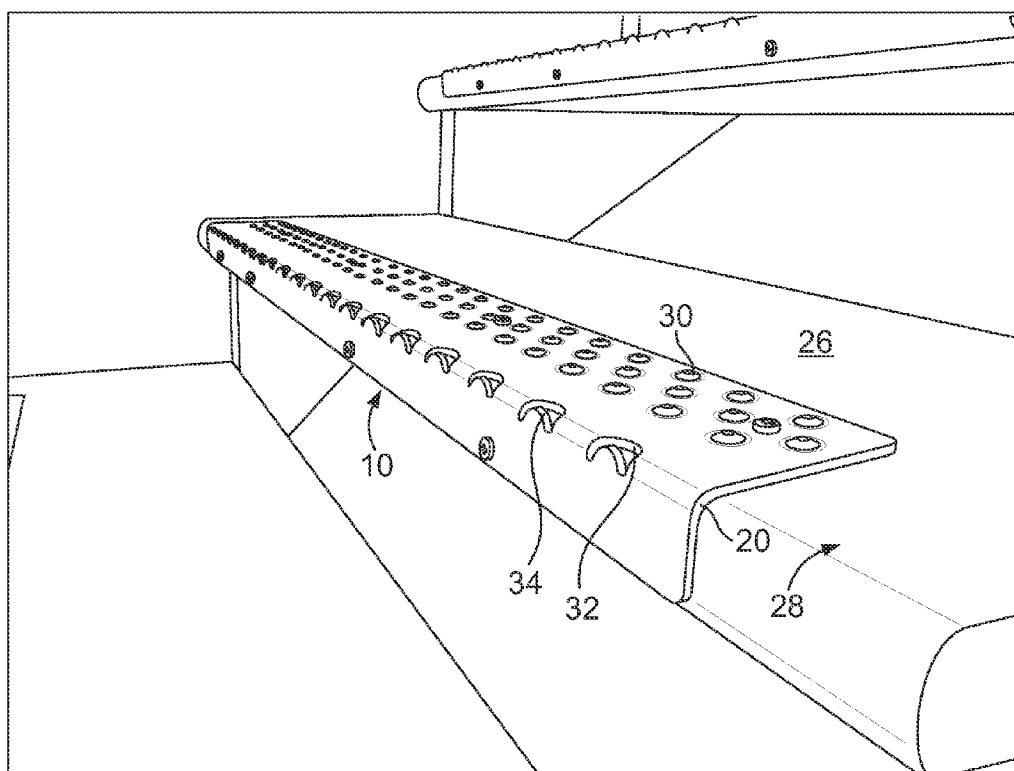


FIG. 3

NON-SKID STAIR NOSING

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of U.S. Provisional Application Ser. No. 61/670,680, filed Jul. 12, 2012, the contents of which are incorporated herein by reference.

FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

[0002] N/A

TECHNICAL FIELD

[0003] The present invention generally relates to a nosing installed on a stair having non-skid properties.

BACKGROUND OF THE INVENTION

[0004] The present invention relates to a nosing for installation on a stair. Conventional nosings wrap around the edge of the stair. The present invention provides a nosing having non-skid properties.

SUMMARY OF THE INVENTION

[0005] In an embodiment of the present invention, a stair nosing is provided. The nosing includes a generally flat portion having a first side and a second side. The nosing also includes a bent portion extending along the first side of the flat portion. The bent portion includes an arcuate section and a vertical section. The arcuate section includes a first plurality of non-skid members.

[0006] In another embodiment of the present invention, a stair nosing formed from a blank of material is provided. The blank includes a first side and a second side. The blank is also bent along the first side to form a flat portion, an arcuate portion and a vertical section. A plurality of cutouts is located along the arcuate portion. The cutouts are adapted to form a first plurality of non-skid members.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] To understand the present invention, it will now be described by way of example, with reference to the accompanying drawings in which:

[0008] FIG. 1 is a perspective view of a stair nosing in accord with an embodiment of the present invention;

[0009] FIG. 2 is a plan view of a blank for forming the stair nosing in accord with an embodiment of the present invention; and

[0010] FIG. 3 is a perspective view of a stair nosing attached to a stair in accord with an embodiment of the present invention.

DETAILED DESCRIPTION

[0011] While this invention is susceptible of embodiments in many different forms, there is shown in the drawings and will herein be described in detail preferred embodiments of the invention with the understanding that the present disclosure is to be considered as an exemplification of the principles of the invention and is not intended to limit the broad aspect of the invention to the embodiments illustrated.

[0012] Referring to the Figures, a stair nosing 10 in accord with an embodiment of the present invention is shown. The

stair nosing 10 is preferably made from metal such as steel, but can be made from any suitable material. The nosing 10 includes a generally flat portion 12. The flat portion 12 includes a first side 14 and a second side 16. Along the first side 14 is a bent portion 18. The bent portion 18 includes an arcuate or bent section 20 and a vertical section 22. The arcuate section 20 includes a plurality of non-skid members 24.

[0013] The generally flat portion 12 is adapted to rest atop and be attached to a stair 26. The arcuate section 20 is adapted to wrap around a nosing or leading edge 28 of the stair 26. The generally flat portion 12 can include a plurality of raised portions 30 to provide a non-skid surface.

[0014] In an embodiment, the non-skid members 24 include a plurality of semi-circular cutouts 32. The cutouts 32 each have an upwardly extending tab 34 to provide a non-skid surface for climbing or descending the stairs 26. The cutouts 32 may be of any suitable shape, including triangular or trapezoidal. The corresponding tabs 34 will also have this shape.

[0015] The nosing 10 is formed from a blank 36. In an embodiment, the blank 36 includes a first side 38 and a second side 40. The blank 36 also includes a plurality of semicircular cutouts 42 along the first side 38. When bent along a line 44, the cutouts 42 form non-skid members or tabs 34. The blank 36 may also include a plurality of raised portions or dimples 46 to form a non-skid surface. The blank 36 also includes holes 48 to attach the nosing 10 by fasteners such as screws to a stair as shown in FIG. 3.

[0016] While the specific embodiments have been illustrated and described, numerous modifications come to mind without significantly departing from the spirit of the invention, and the scope of protection is only limited by the scope of the accompanying Claims.

What is claimed is:

1. A stair nosing comprising:
 - a generally flat portion having a first side and a second side; and
 - a bent portion extending along the first side of the flat portion, the bent portion including an arcuate section and a vertical section, and the arcuate section including a first plurality of non-skid members.
2. The stair nosing of claim 1 wherein the first plurality of non-skid members are formed from a plurality of cutouts.
3. The stair nosing of claim 2 wherein the plurality of cutouts are generally semi-circular in shape.
4. The stair nosing of claim 2 wherein the plurality of cutouts are generally triangular in shape.
5. The stair nosing of claim 2 wherein the plurality of cutouts are generally trapezoidal in shape.
6. The stair nosing of claim 1 wherein the flat portion includes a second plurality of non-skid members.
7. The stair nosing of claim 6 wherein the second plurality of non-skid members includes a plurality of raised portions.
8. The stair nosing of claim 1 wherein the first plurality of non-skid members are upwardly extending tabs.
9. The stair nosing of claim 8 wherein the upwardly extending tabs are generally semi-circular in shape.
10. The stair nosing of claim 8 wherein the upwardly extending tabs are generally triangular in shape.
11. The stair nosing of claim 8 wherein the upwardly extending tabs are generally trapezoidal in shape.
12. A stair nosing from a blank of material, the blank comprising:

a first side and a second side, the blank also being bent along the first side to form a flat portion, an arcuate portion and a vertical section, and

a plurality of cutouts located along the arcuate portion, the cutouts adapted to form a first plurality of non-skid members.

13. The stair nosing of claim **12** wherein the plurality of cutouts are generally semi-circular in shape.

14. The stair nosing of claim **12** wherein the plurality of cutouts are generally triangular in shape.

15. The stair nosing of claim **12** wherein the plurality of cutouts are generally trapezoidal in shape.

16. The stair nosing of claim **12** wherein the flat portion includes a second plurality of non-skid members.

17. The stair nosing of claim **16** wherein the second plurality of non-skid members includes a plurality of raised portions.

18. The stair nosing of claim **12** wherein the first plurality of non-skid members are upwardly extending tabs.

19. The stair nosing of claim **18** wherein the upwardly extending tabs are generally semi-circular in shape.

20. The stair nosing of claim **18** wherein the upwardly extending tabs are generally triangular in shape.

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