March 18, 1952 D. N. HARVEY, JR 2,589,545

SKEWER

Filed Sept. 17, 1949

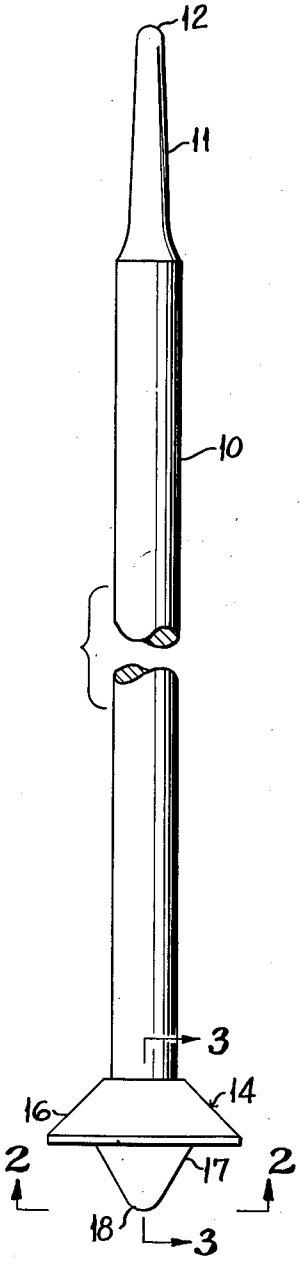


Fig-1

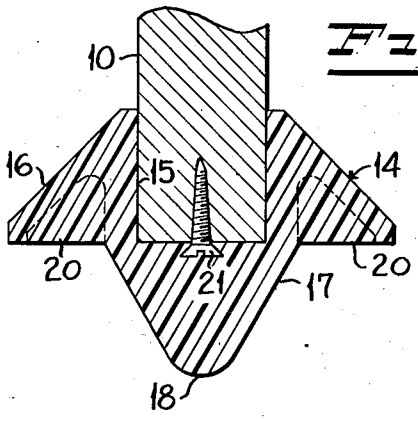


Fig-3

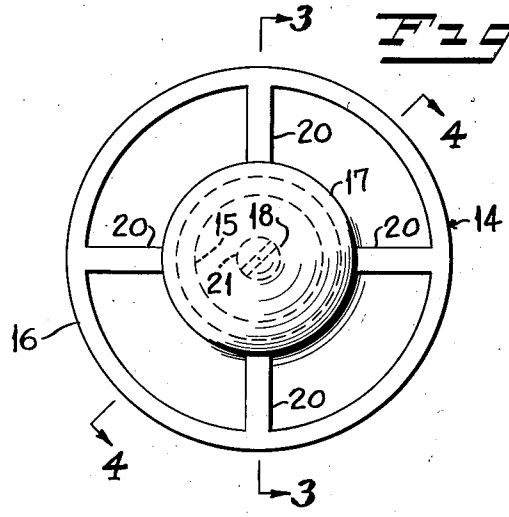


Fig-2

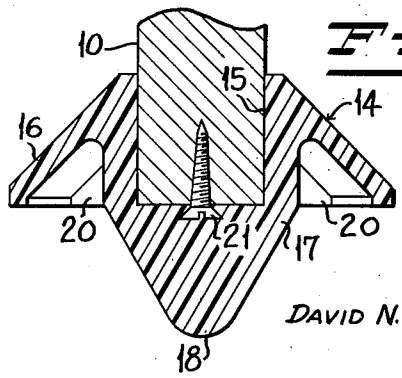


Fig-4

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UNITED STATES PATENT OFFICE

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SKEWER

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Application September 17, 1949, Serial No. 116,248

1 Claim. (Cl. 242—130)

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This invention relates to an improved skewer for use in spinning frames and the like and more especially to an improved base for a skewer. Heretofore, skewers have been made entirely of wood, having an elongated portion which is circular in cross-section and having an enlarged base portion, the base portion and the main body portion usually being of two pieces of wood. The enlarged base portion has a tip on the lower end thereof, and also a pointed tip portion is provided on the upper end of the main body portion of the skewer for being inserted into suitable holders to allow rotation of the skewer which has a roving bobbin thereon.

The base portion is usually glued to the main body portion, and often the base portion comes apart from the main body portion, or the tip portion of the skewer may become dull, or chipped, thereby necessitating the discarding of the entire skewer.

By using the improved base herein shown, it is possible in the making of new skewers to provide an elongated rod-like portion of wood and attach thereto a molded base portion which is preferably of plastic material, but may be of suitable metal, such as aluminum, magnesium and the like, whereby if the main body portion, which is of wood, becomes dull, or chipped or broken, the same may be discarded and the molded base may be attached to a new body portion.

Some of the objects of the invention having been stated, other objects will appear as the description proceeds, when taken in connection with the accompanying drawings, in which

Figure 1 is an elevation of my improved skewer;

Figure 2 is an enlarged bottom plan view looking up along the line 2—2 in Figure 1;

Figure 3 is an enlarged vertical sectional view taken along the line 3—3 in Figures 1 and 2;

Figure 4 is an enlarged vertical sectional view taken along the line 4—4 in Figure 2.

Referring more specifically to the drawings, the numeral 10 indicates a rod-like portion which is preferably of wood which is restricted at its upper end as at 11 to provide a blunt point 12. I provide a molded base portion 14 having a circular cavity 15 therein and having an apron portion 16 and a main downwardly projecting body portion 17 coming to a blunt point 18 at its lower end. This apron 16 is suitably reinforced by a plurality of webs 20 to provide added strength thereto, if it is desired.

Imbedded in the bottom of the circular cavity 15 and having the base portion molded thereabout is the head of a suitable wood screw 21 which projects upwardly and inside and centrally of the circular cavity 15, and a suitable hollow

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hole, which is slightly tapered so as to provide a wedge fit, is provided in the lower end of the skewer body portion 10, and then the base is secured to the main body portion 10 by relative rotation between the portion 10 and the base portion 14 to secure the base in the position shown in the drawings.

It is thus seen that I have provided a skewer in which the base portion is separate from the main portion and in which the base portion can be easily removed and a new main body portion can be inserted into the old base, in case of damage to the main body portion.

In the drawings and specification there has been set forth a preferred embodiment of the invention, and although specific terms are employed, they are used in a generic and descriptive sense only, and not for purposes of limitation, the scope of the invention being defined in the claim.

I claim:

A skewer for use in textile processes such as spinning frames and the like, comprising an elongated body portion and an enlarged base, said base being frusto-conical and having radially disposed reinforcing ribs integral with its lower surface, the base having a downwardly projecting central portion provided with a circular bore therein extending from its upper end and stopping short of its lower end for reception of one end of the body portion, the base at the bottom of the bore having the head portion of a screw molded therein, said screw being centrally disposed relative to said bore and projecting upwardly into said bore and said body portion having a centrally disposed bore of smaller diameter than the diameter of the screw in its lower end for reception of said screw to secure the base and body portion together.

DAVID N. HARVEY, JR.

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