Dec. 15, 1936. P. YOUNG 2,064,712

BROOM

Filed July 16, 1935

Fig. 1.

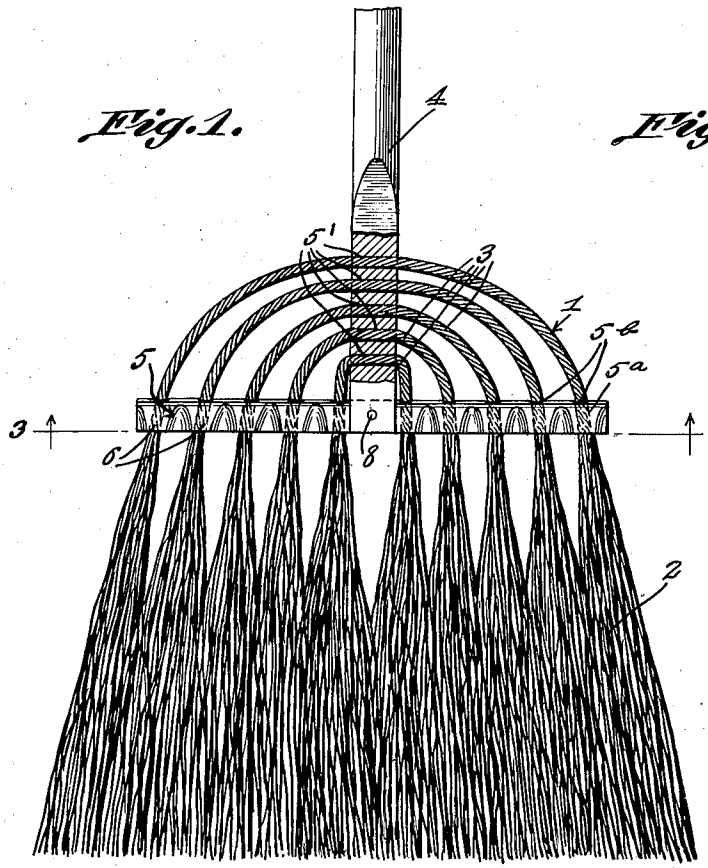


Fig. 2.

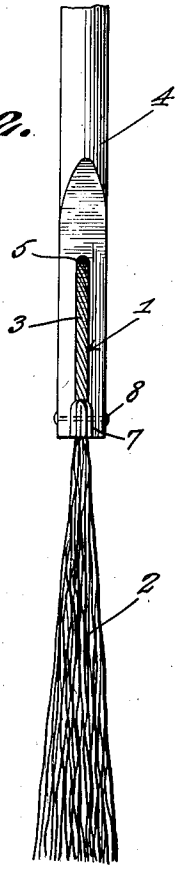
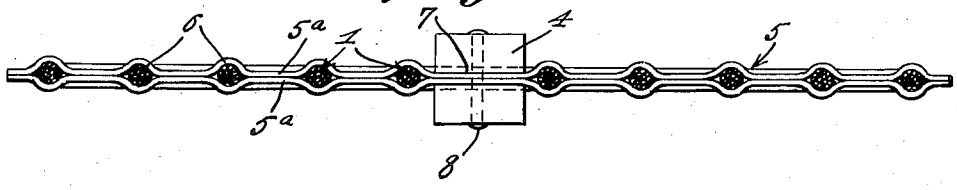


Fig. 3.



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BROOM

Perry Young, Prescott, Ark.

Application July 16, 1935, Serial No. 31,653

2 Claims. (Cl. 15—197)

My invention relates to improvements in brooms, particularly wire brooms such as are used for yard work or in similar capacities.

The object of my invention is to provide a simply constructed inexpensive means for securing wire strands together, and to a handle, in broom-like relation said means forming a strong, rigid mounting for the strands and permitting groups of the strands to be readily detached from the broom and replaced.

To the accomplishment of the above, and subordinate objects presently appearing, a preferred embodiment of my invention has been illustrated in the accompanying drawing described in detail in the following and defined in the claims appended hereto.

In said drawing:

Figure 1 is a view in side elevation, parts showing in section, of a broom constructed in accordance with my invention.

Figure 2 is a view in edge elevation and,

Figure 3 is a view in transverse section taken on the line 3—3 of Figure 1, looking in the direction indicated by the arrows, and drawn to an enlarged scale.

Referring to the drawing, my improved broom, in its preferred form, comprises a plurality of substantially U-shaped units 1 of wire strands 2 which are twisted together, in each unit, throughout the curved portion 3 of said unit and separated at each end of the unit beyond said curved portion. The units 1 are secured to a handle 4, preferably wooden, in separated nested relation to dispose the same in a common plane and by the following devices. The handle 4 is provided, at its inner end, with transverse apertures 5' spaced apart longitudinally of said handle. Each unit 1 is threaded through one of said apertures so that its curved portion 3 extends equidistantly upon opposite sides of the handle 4 and so that the free ends of said unit are aligned. The opposite ends of the curved portions 3 of the units are secured to the handle 4, in spaced apart relation and in a common plane, by a clamping member 5 comprising a pair of opposed bars 5a between which said ends are clamped in semi-circular sockets 6 formed in said members 5, respectively. Preferably the clamping member 5 is formed of a single piece of suitable metal bent upon itself longitudinally to form the bars 5a and having along one edge apertures 5b through which the units 1 are threaded. The bars 5a are crimped to form the sockets 6 and to locate the bars 5a in clamping relation. The clamping member is secured to the handle 4 by location in a notch 7, in the inner end of said handle, and a pin or rivet 8 passing through said handle and member 5.

By removing the pin, or rivet 8, the clamping bars 5a may be separated and a selected unit 1 pulled out of the aperture 5b and through the handle 4, replaced by a new one and clamped in place, all with a minimum expenditure of time and labor.

The described broom is serviceable, durable, and efficient for the purposes for which it was intended. Such brooms may be constructed largely from waste steel wire so that they can be manufactured at a very low cost for sale at a correspondingly low price.

Obviously, the invention may be modified in detail without departing from the inventive concept disclosed, and right is herein reserved to such modification falling fairly within the scope of the claims appended hereto.

What I claim is:

1. A broom comprising, a handle having an inwardly extending notch in one end thereof and transverse apertures adjacent said end spaced apart longitudinally of the handle, a plurality of pairs of tufts of separated wire strands each pair connected together by an intermediate U-shaped portion of such strands twisted together, said portions being disposed midway of their ends in said apertures in nested relation, and a bar-like clamp removably secured in said notch intermediate its ends and clampingly engaging said portions immediately above said tufts, said clamp comprising a single strip of metal folded longitudinally upon itself to provide a pair of opposed bars disposed upon opposite sides of said portions, respectively, said clamp being provided with apertures in the fold thereof through which said portions are threaded into said clamp.

2. A broom comprising, a handle having an inwardly extending notch in one end thereof and transverse apertures adjacent said end spaced apart longitudinally of the handle, a plurality of pairs of tufts of separated wire strands each pair connected together by an intermediate U-shaped portion of such strands twisted together, said portions being disposed midway of their ends in said apertures in nested relation, and a bar-like clamp removably secured in said notch intermediate its ends and clampingly engaging said portions immediately above said tufts, said clamp comprising a single strip of metal folded longitudinally upon itself to provide a pair of opposed bars disposed upon opposite sides of said portions, respectively, said clamp being provided with apertures in the fold thereof through which said portions are threaded into said clamp, and said bars being crimped to form opposed socket members receiving said portions therebetween.

PERRY YOUNG.