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C. ROSS ET AL

TEMPLATE FOR STRIPING BODIES

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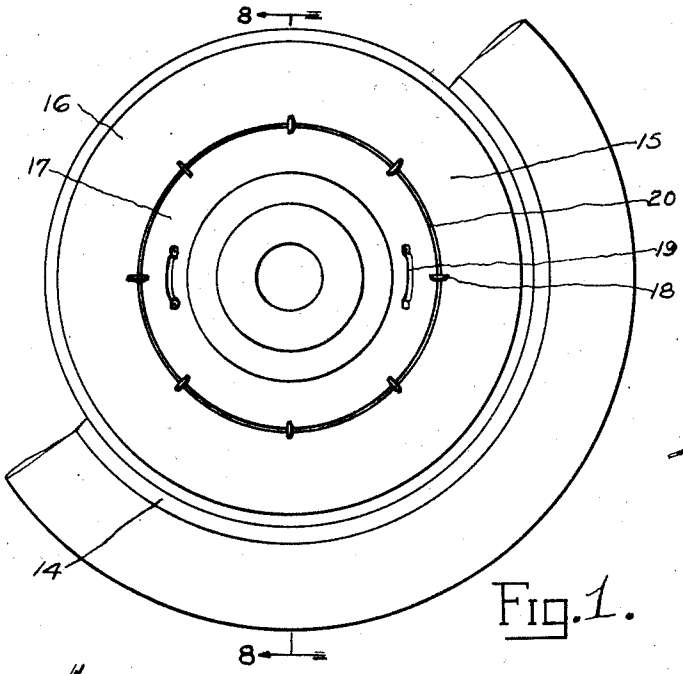


Fig. 1.

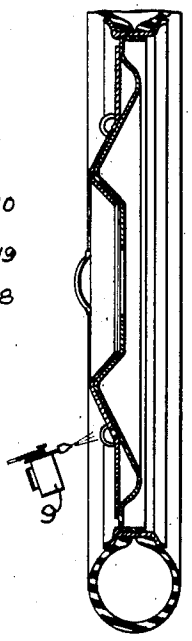


Fig. 2.

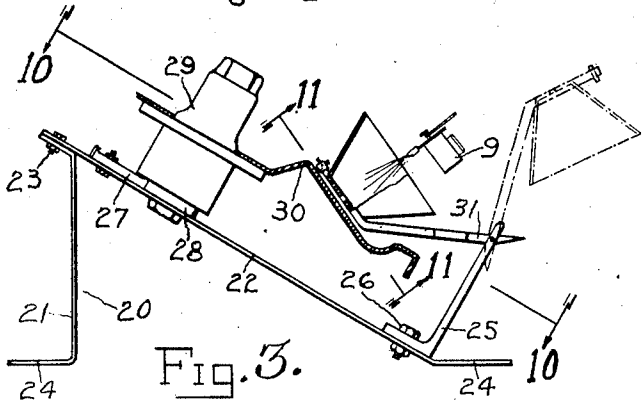


Fig. 3.

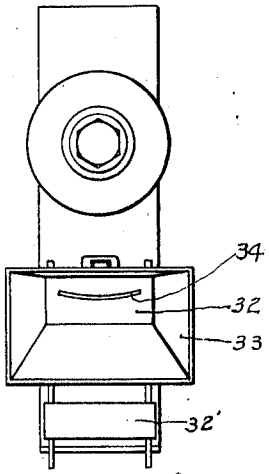


Fig. 4.

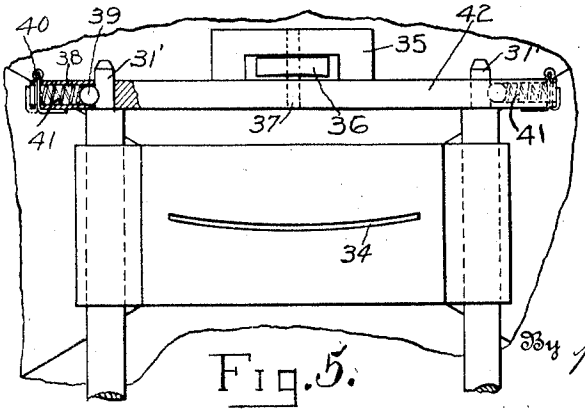


Fig. 5.

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UNITED STATES PATENT OFFICE.

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TEMPLATE FOR STRIPING BODIES.

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This invention relates to a method of striping and an apparatus therefor.

The invention is particularly concerned with striping on surfaces having the well known Duco finish; its use on vehicles is at present contemplated although its field of usefulness is obviously not so restricted.

Some difficulty has arisen in striping surfaces having the quick drying Duco finish. Striping with Duco cannot be done satisfactorily by hand with a brush because of the characteristics of the material, and when hand striping with paint is used the final Duco polishing treatment removes the painted stripes. It is an object of this invention to make a permanent Duco stripe by spraying with the aid of a template. Striping in this way may be done in less time than the former striping by a brush and does not require skilled labor. The results also are permanent.

Various types of apparatus may be used, depending upon the surface to be striped.

Figure 1 shows a wheel having a striping template thereon. Figure 2 is a section on line 8—8 of Figure 1. Figure 3 represents a modified form for producing a stripe upon a disk wheel. It shows an apparatus in side elevation carrying the wheel and the striping template. Figure 4 is a plan view of the apparatus. Figure 5 is an enlarged plan view looking at the bottom of the template, parts being shown in section.

Figures 1 and 2 show one method of striping a disk wheel. In these figures 15 is a template applied to the surface of the wheel. This template is composed of an outer ring member 16 and an inner ring member 17 being a circular slot 20 between the two ring members. The ring members are held in fixed position, one relative to the other, by U-shaped fastening means 18. Handles 19 may be used to place in position and remove the template. Here as before the striping is effected by the usual spraying implement 9 operating through the slot 20.

Figures 3, 4 and 5 represent a modified apparatus for striping a disk wheel. In this modified form use is made of a supporting platform 20. This platform comprises a vertical standard 21 and an angular plate 22. These two plates are bolted together at their upper ends as at 23, and their lower ends are arranged horizontally to rest on the floor. Adjacent the lower end of part 22 is an angular bracket 25. Its shorter leg is bolted to the lower end of part 22 by fastening means 26. 27 represents another bracket secured to the upper end of part 22, and from this part 27 is an upwardly projecting axle member 28 about which the wheel hub 29 is mounted for rotation. 30 is the disk of the wheel to be striped. Pivoted to the upper end of part 25 is a template carrying member 31, 32 being a template. This part 31 is composed of two bars 31′ joined together by a cross plate 32′. The template 32 is provided with walls 33 and has in its lower surface a slot 34 concentric with the wheel axis. It is through this slot 34 that the spraying instrument 9 operates to stripe the wheel as will be readily understood. For the proper guidance of the wheel in its rotation beneath the template a frame member 42 is carried at the outer ends of part 31′. Centrally secured to this member 42 is a U shaped member 35 carrying a roller pivoted on the pin 37 for engaging the wheel in its rotation. For yielding by holding member 42 in position on part 31′ a ball 39 is located in an opening 38 at each end of the part 42. This ball is held in a groove in a part 31′ by the pressure of a spring 41. The spring 41 is held in position by a cotter pin 40 or similar means as shown in Figure 5.

I claim:

1. A frame, means secured to the frame for rotatably mounting a wheel, an angular bracket mounted on the frame, mechanism carrying a template pivoted to the bracket to swing to a position over the wheel, a cross arm carried by the mechanism in advance of the template, the cross arm having a roller to engage the wheel, and a spring controlled means to detachably hold the cross arm on the mechanism.

2. A frame, means secured to said frame for rotatably mounting a piece of work, a

bracket on said frame, mechanism carrying a template pivoted to said bracket to swing over the work, means carried by said mechanism to guide said work in its rotation.

3. The invention defined by claim 2, said last named means including a cross bar and a roller supported thereby to engage the work when the mechanism is tilted into operative position.

In testimony whereof I affix my signature.
JOHN MacQUAID.

In testimony whereof I affix my signature.
CLYDE ROSS.