Aug. 13, 1935. L. GILIASSO 2,011,405

TREE PROTECTION

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Fig. 1.

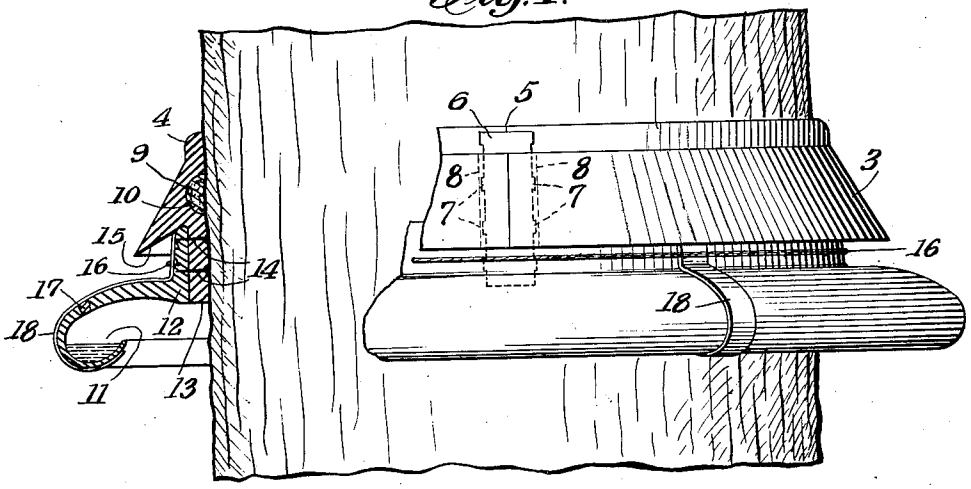
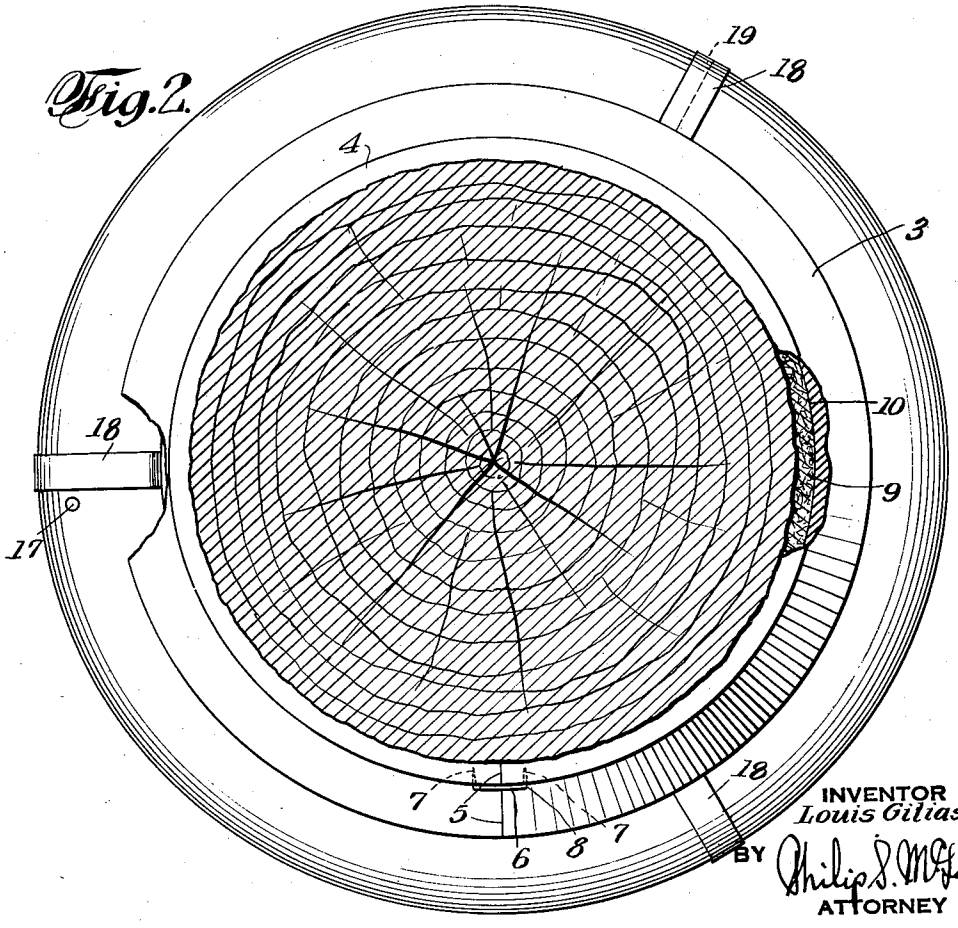


Fig. 2.



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TREE PROTECTION

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8 Claims. (Cl. 47—24)

This invention relates to the protection of trees and shrubbery from insects and other harmful influences.

The objects of the invention are to provide a simple, inexpensive and commercially practical form of guard, which may be readily conformed, fitted and applied to a tree, which may be taken off and reused as desired and which will properly shed rain and the like, while barring insect travel up the trunk.

These and additional objects are attained by the novel features of construction, combinations and relations of parts as hereinafter described, illustrated in the accompanying drawing and broadly covered in the claims.

In the drawing, one of the practical commercial forms of the invention is illustrated, but it is to be understood that the structure may be modified and changed in various ways, all within the true intent and broad scope of the invention.

Fig. 1 is a broken part sectional side elevation showing an embodiment of the tree protector as in use.

Fig. 2 is a broken and part sectional plan view of the same.

The guard consists in the main of a strip of flexible resilient material, such as a durable rubber composition molded to shape with a water shed 3, ending at the top or upper edge in a lip 4, tapered more or less to closely fit the trunk of the tree. This strip may be molded in continuous lengths, which can be cut off to fit the trunk of the tree and the ends brought together as indicated at 5, and secured in closely abutting or partly overlapping relation as by means of a clip 6. This clip is shown as having barbs or prongs 7, driven into the body of the strip and as an extra precaution, to prevent the clip coming loose, it is shown as set in behind the undercut portions 8 of the rain shed extension 3.

To provide an absolutely close fitting joint with the tree trunk, packing may be employed as indicated at 9, held by the guard in a groove 10, in the inside face of the same beneath the lip portion 4.

An insect repelling gutter and trap is provided in the illustration at 11, in an extra or supplemental strip 12, overlapping the dependent skirt portion 13, of the main strip and secured thereover by the barbs, points or nails 14, projecting outward from the skirt portion 13. This gutter strip is shown as forced up under the eaves 15, of the shed, so that it can not spring open after being caught over the supporting nails or points 14, and if desired, a surrounding wrapping 16 of cord, wire or the like, may be wound about the upper wall portion of the gutter strip to bind it to the main guard strip.

The gutter 11 may be filled with insecticide or the like, as by means of one or more filling openings 17, in the roof of this gutter strip and to prevent it collapsing where it is spaced from the tree trunk, it may be reinforced and supported at one or more points as by metal hangers or brackets 18. The joint in the gutter strip at 19, Fig. 2, may be offset from the joint 5 in the main strip and may be held closed and supported by one of the encompassing brackets 18.

The guard may be readily applied by cutting proper lengths from strips of the main and supplemental materials and then applying first the main section, securing it with a clip 6, or the like, and then slipping the gutter section in place beneath the overhang of the main section. If desired, the strips may be molded in curved instead of in straight lengths, so that they will have a natural tendency to hug the tree trunk. Nails may be employed where found desirable to secure the strips over irregular contours. Ordinarily however, the barbed clips 6, will be sufficient to hold the main strip in place, since these clips are retained in the holding position by the undercut portions at 8, of the rain shed and which as indicated in Fig. 2, overstand the clips when properly positioned. When the main strip is cut to fit the tree, these ends of the rain shed may be cut back at 8, sufficiently to receive and fit over the securing clip. The hangers or brackets 18, may be of spring metal, shaped to fit over the gutter strip and be sprung into position thereover at various selected points suited to the particular shape of the tree and as required to hold the gutter up in shape.

When not needed, the guard may be readily removed and stored, or be changed from one tree to another, etc.

What is claimed is:

1. A tree protector, comprising a strip of rain shedding material conformably applicable to a tree trunk, a strip of gutter material conformably applied and secured to said rain shedding strip, said rain shedding strip having an outstanding shed portion and a dependent skirt portion and the gutter strip having a wall portion surrounding said skirt portion beneath said shed portion and carrying a dependent internally open gutter positioned to be spaced from the trunk of the tree.

2. A tree protector, comprising a strip of rain shedding material conformably applicable to a tree trunk, a strip of gutter material conform-

ably applied and secured to said rain shedding strip, said rain shedding strip having an outstanding shed portion and a dependent skirt portion and the gutter strip having a wall portion surrounding said skirt portion beneath said shed portion and carrying a dependent internally open gutter positioned to be spaced from the trunk of the tree and bracing means supporting said dependent gutter portion in such spaced outstanding relation.

3. A tree guard, comprising a length of flexible protecting material for surrounding a tree trunk, having an outwardly projecting rain shed portion, the ends of said rain shed portion being cut back from the main body of the strip and securing means for the ends of the main body of the strip positioned beneath said undercut end portions of the rain shed.

4. A tree guard, comprising a length of flexible protecting material for surrounding a tree trunk, having an outwardly projecting rain shed portion, the ends of said rain shed portion being cut back from the main body of the strip, securing means for the ends of the main body of the strip positioned beneath said undercut end portions of the rain shed, said securing means including a barbed clip driven into the main body of the strip and overlapped by the undercut end portions of the rain shed.

5. A tree guard, comprising a tree encircling strip having a lower portion with outwardly projecting fastenings, a second strip surrounding said lower portion of the first strip and impaled on said outwardly projecting fastenings and said first strip having a rain shedding portion overstanding said surrounding portion of the second strip.

6. A tree guard, comprising a flexible resilient tree encircling strip, having an internal packing groove, an outwardly projecting rain shed and a dependent tree encircling wall, packing in said groove, means for securing said strip in position on a tree trunk, a flexible resilient strip having an outstanding inwardly open gutter exposed to the tree trunk below the guard and having a wall projecting up beneath the outstanding rain shed in surrounding relation about the lower wall portion of the first strip and means securing said second strip in said surrounding relation.

7. A tree guard, comprising a tree encircling strip of flexible resilient material formed with an inwardly open gutter and means for securing said strip in supported outstanding relation about a tree trunk and including spring brackets shaped to conform to the outline of said gutter strip and engaged thereover.

8. A tree guard, comprising a strip of flexible rubber-like material having an upstanding flange portion and an outwardly projecting extension carrying beneath the same a gutter, opening inwardly beneath the flange portion and said strip adapted to be cut to fit the girth of a tree, encircling means for binding said upstanding flange portion in conforming engagement with a tree, means for sealing said upstanding flange portion in rain shedding engagement with a tree trunk and means for connecting the cut ends of said gutter forming portion of said cut strip to thereby provide a complete gutter sealed in rain shedding relation and inwardly open to the tree trunk.

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