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J. ANDERSON

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LAWN RAKE

Filed Oct. 8, 1930

Fig. 1.

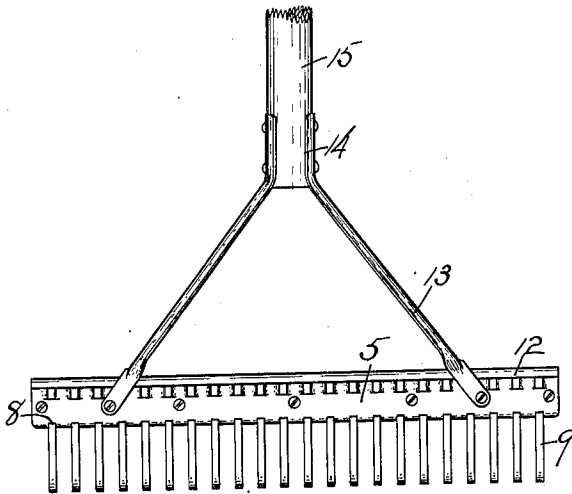


Fig. 2.

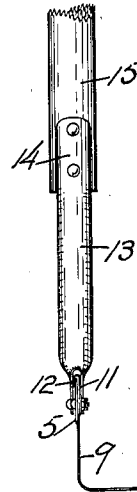
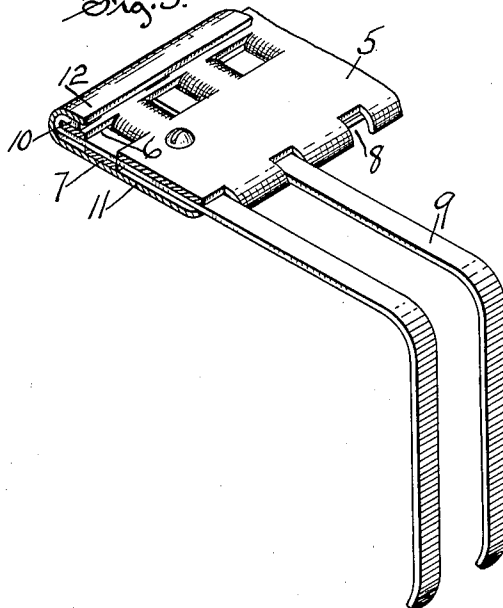


Fig. 3.



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LAWN RAKE

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My invention relates to that class of rakes commonly employed for raking lawns and other surfaces covered with comparatively fine grass, and an object of my invention, among others, is to provide a rake of this class that shall be of simple construction, that may be made at minimum cost, and that shall be particularly efficient in operation.

One form of a rake embodying my invention and in the construction and use of which the objects herein set out, as well as others, may be attained, is illustrated in the accompanying drawing, in which—

Figure 1 is a plan view of a rake embodying my invention, the handle being cut off.

Figure 2 is a side view of the same.

Figure 3 is an isometric view, scale enlarged, illustrating the manner of securing the teeth in place.

In the accompanying drawing the numeral 5 indicates a base plate of a length equal to the length of the body of the rake and of a width to securely support the teeth. Depressions are formed lengthwise of this base plate near the back edge thereof and at a distance apart to determine the distance between the teeth of the rake. In forming these depressions the metal is ruptured to create openings 6 at the front and back edges of said depressions thereby forming bridges 7 at the bottom of each of the depressions. The front edge of the base plate is curved downwardly, this curved portion having slots 8 formed therein.

Teeth 9 of flexible spring metal are extended through the slots 8 and through the openings 6, thereby underlying the base plate 5 but overlying the bridges 7. The rear ends of the teeth are backturned to form hooks 10 that are wrapped about the back edge of the plate 5. The front portions of the teeth are bent at an angle to the parts secured to the plate 5 and in a manner common to structures of this class.

A cover plate 11 is secured to the underside of the base plate, underlying the rear ends of the teeth 9. This plate is backturned to form a hood 12 to completely enclose the hooked ends of the teeth and the back edge of the base plate 5. This cover plate may be secured in any suitable manner, either perma-

nently or removably. In the structure herein shown screw bolts are employed for the purpose of securing these parts together. The front edge of this cover plate preferably extends close to the underside of the curved lip at the front edge of the base 6 to firmly support the teeth 9 along this edge.

Connecting straps 13 are formed of curved trough shape in cross section. The front end of each strap is forked to lie on opposite sides of the base and cover plates, the latter extending into the space between the forked members that are placed in parallel relation to lie flat against opposite sides of said base and cover plates. The screw bolts for securing the plates together may be employed also for securing these ends of said straps, said bolts passing through both members of the forked end of each strap. The opposite ends 14 of the straps are bent at an angle to the main part and are secured to a handle 15 as by means of bolts or rivets.

In accordance with the provisions of the patent statutes I have described the principles of operation of my invention together with the device which I now consider to represent the best embodiment thereof; but I desire to have it understood that the device shown is only illustrative, and that the invention may be carried out by other means and applied to uses other than those above set out.

I claim:

1. A rake including a base, the latter comprising a base plate, teeth having their rear ends passed underneath the base plate and hooked over the rear edge of said plate, a cover plate underlying the base plate and having its rear edge backturned over the back edge of the base plate and the ends of the teeth hooked over said edge, means for securing the base and cover plates together, and means for securing a handle to said structure.

2. A rake including a base, the latter comprising a base plate having openings formed therethrough, teeth extended through said openings and having their rear ends underlying the base plate and hooked over the rear edge of said plate, a cover plate underlying the base plate and having its rear edge back-

turned over the back edge of the base plate and the ends of said teeth hooked over said edge, means for securing the base and cover plates together, and means for securing a handle to said structure.

3. A rake including a base, the latter comprising a base plate having a series of openings forming bridges, teeth extended underneath the base plate and through said openings over said bridges, the back ends of said teeth being bent to form hooks to receive the back edge of the base plate, a cover plate underlying the base plate and having its rear edge backturned over the back edge of the base plate and the ends of the teeth hooked over said edge, means for securing the back and base plates together, and means for securing a handle to said structure.

4. A rake comprising a base including two plates one of which is bent to form a groove to hook over the edge of the other plate and thereby enclose said edge, teeth secured between said plates and projecting outwardly beyond the front edges thereof, the opposite ends of said teeth being covered within said groove, means for securing said plates together, and means for securing a handle to said plates.

5. A rake including a base, the latter comprising a base plate having openings formed therein, teeth extending within said openings and having their rear ends underlying the base plate and hooked over the rear edge of said plate, a cover plate underlying the base plate and having its rear edge backturned over the back edge of the base plate and the ends of said teeth hooked over said edge, and means for securing the base and cover plates together.

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