Nov. 21, 1961 R. McKAY 3,009,652

IRRIGATION SPRINKLER ATTACHMENT

Filed July 1, 1960

Fig. 1

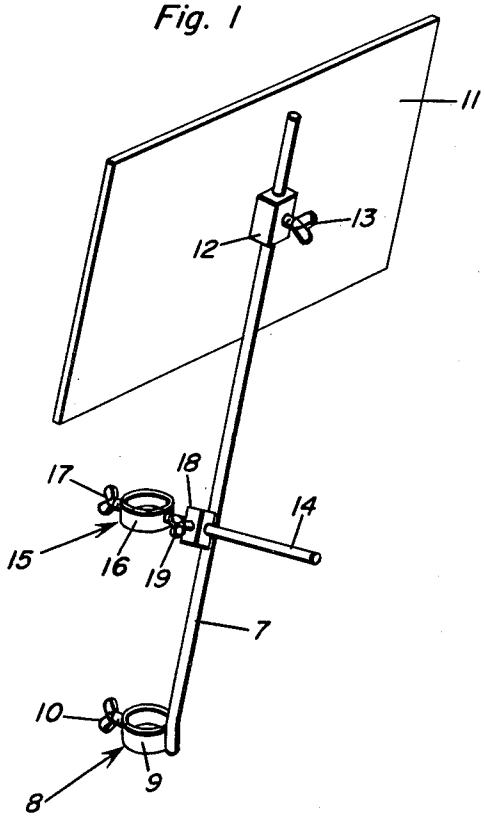


Fig. 2

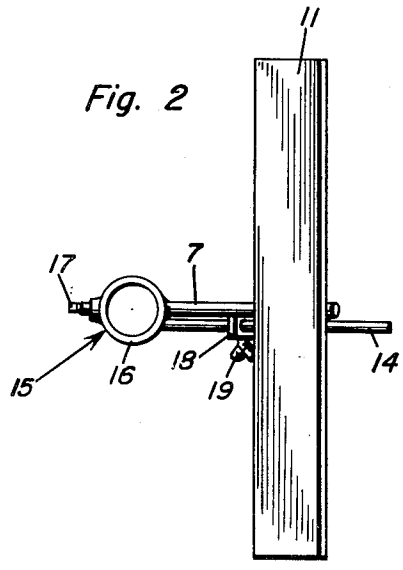
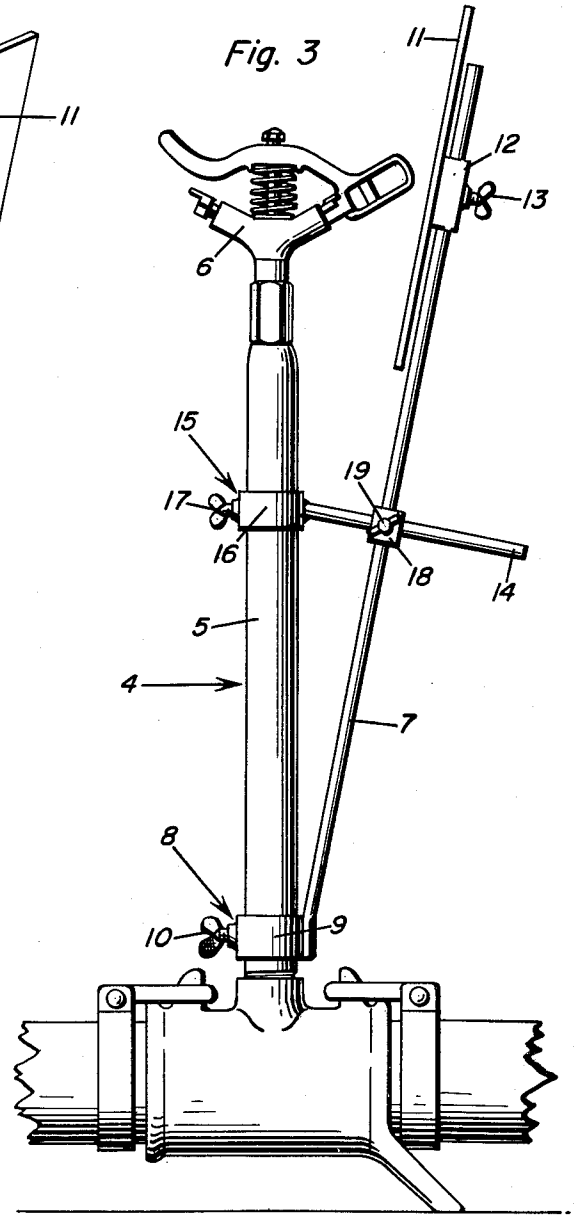


Fig. 3



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IRRIGATION SPRINKLER ATTACHMENT

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This invention relates to new and useful improvements in deflectors or shields particularly for irrigation sprinklers of the full rotating type and has for its primary object to provide, in a manner as hereinafter set forth, novel means for excluding the water from such sprinklers from adjacent highways, fields and other areas where it is not wanted, thus obviating the necessity of a pattern sprinkler.

Another very important object of the present invention is to provide a water deflector or shield of the aforementioned character which may readily be mounted on a conventional irrigation sprinkler, adjusted as desired and removed when it is not needed.

Other objects of the invention are to provide an irrigation sprinkler attachment of the character set forth which will be comparatively simple in construction, strong, durable, compact, of light weight and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

FIGURE 1 is a perspective view of an irrigation sprinkler attachment constructed in accordance with the present invention;

FIGURE 2 is a top plan view thereof; and

FIGURE 3 is a side elevational view, showing the device in position for use on a sprinkler.

Referring now to the drawing in detail, it will be seen that reference character 4 designates generally a conventional irrigation sprinkler. The sprinkler 4 includes the usual vertical pipe 5 having rotatably mounted on its upper end a fluid actuated sprinkler head 6.

The embodiment of the present invention which has been illustrated comprises an upwardly and outwardly inclined post 7 in the form of a rod of suitable metal. The post 7 is removably and slidably and rotatably adjustably mounted on the lower portion of the pipe 5 of the sprinkler 4 through the medium of a clamp 8. The clamp 8 includes a collar or ring 9 which is affixed to the lower end portion of the post 7 and which encircles the pipe 5. A setscrew 10 secures the ring 9 in adjusted position on the pipe 5.

Removably mounted on the upper portion of the post 7 is a slidably and rotatably adjustable baffle in the form of a rectangular plate 11 of metal or other suitable material. The plate 11 has affixed to the back thereof a sleeve 12 which is adjustable on the post 7. A setscrew 13 secures the sleeve 12 in adjusted position on the post 7.

Mounted on the pipe 5 above the clamp 8 is a brace or arm 14 in the form of a metallic rod. The arm 14 is mounted for rotary and sliding adjustment on the pipe 5 through the medium of a clamp 15. The clamp 15 is substantially similar to the clamp 8 in that it includes a collar or ring 16 which encircles the pipe 5 and which is secured in adjusted position thereon by a setscrew 17. The arm 14 is affixed to the ring 16 and extends outwardly and downwardly therefrom adjacent an intermediate portion of the post 7. Mounted on the post 7 is an apertured block or bracket 18 which slidably

receives the arm 14 for adjustably connecting said post thereto. A setscrew 19 in the block or bracket 18 is engaged with the arm 14 for securing the post 7 in adjusted position thereon.

It is through that the operation or use of the device will be readily apparent from a consideration of the foregoing. Briefly, the attachment is mounted on the pipe 5 and secured in the desired position by tightening the setscrews 10, 17 and 19 in an obvious manner. A portion of the water from the sprinkler head 6 strikes the plate 11 and is deflected thereby thus shielding the desired portion of the adjacent area from said water. The action of the plate 11 may be varied or regulated as desired by adjusting said plate on the post 7. It is to be noted that the plate 11 is both slidably and rotatably adjustable on the post 7. The complete assembly may be raised or lowered as desired by loosening the setscrews 10 and 17 and adjusting the rings 9 and 16 vertically on the pipe 5. The assembly may also be rotatably adjusted to the desired position in this manner. By loosening the setscrew 19 the post 7 may be swung inwardly or outwardly on the arm 14 for adjusting the plate 11 toward or away from the sprinkler head 6. There is sufficient resiliency in the post 7 and looseness or play in the connected parts to permit the last-named adjustment.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A water deflecting attachment for a sprinkler of the type including a vertical water pipe and a rotary sprinkler head mounted thereon, said attachment comprising a post mounted on the pipe and extending at an upward and outward inclination therefrom, an arm mounted on the pipe, means adjustably connecting the post at an intermediate point to said arm for adjusting the upper end portion of said post toward or away from the head, and a plate mounted on the post in opposed relation to the head for deflecting a portion of the water therefrom.

2. A water deflecting attachment for a sprinkler of the type including a vertical water pipe and a rotary sprinkler head mounted thereon, said attachment comprising upper and lower clamps mounted on the pipe, each of said clamps including a ring rotatable and slidable on the pipe, each of said clamps further including a setscrew for securing the ring in adjusted position, a post fixed at its lower end to the lower clamp, an arm fixed on the upper clamp and projecting therefrom adjacent to an intermediate portion of the post, means securing the post to said arm for longitudinal adjustment on said arm, and a plate mounted on the upper portion of the post in opposed relation to the sprinkler head for deflecting a portion of the water therefrom.

3. A water deflecting attachment for a sprinkler of the type including a vertical water pipe and a rotary sprinkler head mounted thereon, said attachment comprising a post having its lower end portion secured on the pipe for rotary and sliding adjustment, an arm mounted for rotary and sliding adjustment on the upper portion of the pipe, a clamp on an intermediate portion of the post slidably receiving the arm for adjustably securing said post thereto, and a plate mounted for rotary and sliding adjustment on the upper portion of the post in opposed relation to the

sprinkler head for deflecting a portion of the water therefrom.

4. A water deflecting attachment for a sprinkler of the type including a vertical water pipe and a rotary sprinkler head mounted thereon, said attachment including a post mounted on the lower portion of the pipe and extending upwardly and outwardly therefrom adjacent the sprinkler head, a sleeve mounted for rotary and sliding adjustment on the upper portion of the post, means for securing said sleeve in adjusted position on the post, and a plate fixed on said sleeve in opposed relation to the sprinkler head for deflecting a portion of the water therefrom.

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