E. G. HAYNE.

RUBBING POST.

APPLICATION FILED DEC. 30, 1913.

1,146,069.

Patented July 13, 1915.

2 SHEETS—SHEET 1.

Fig. 1.

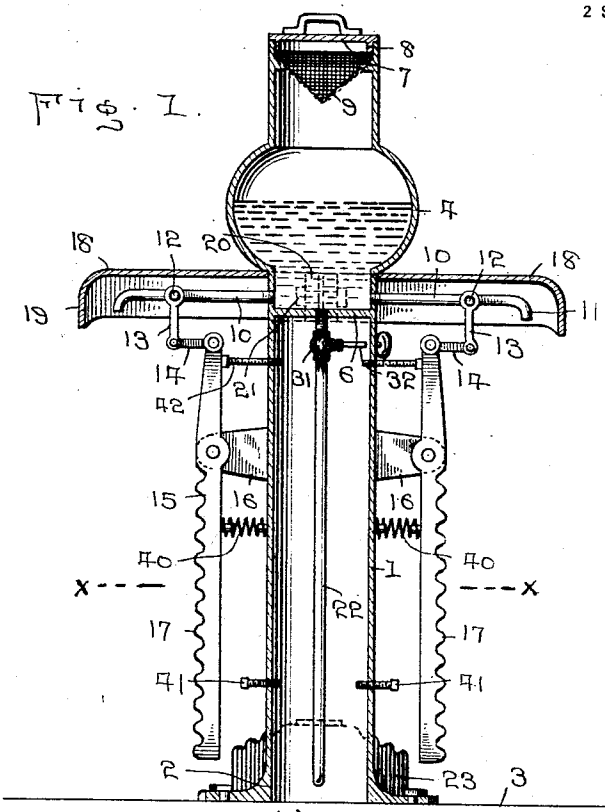


Fig. 3.

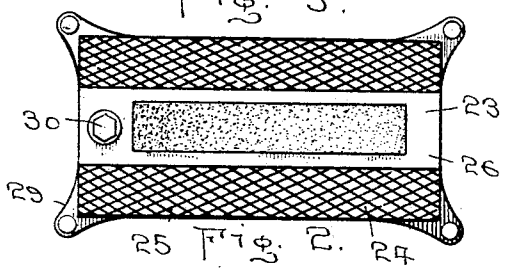
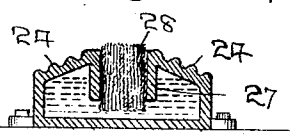


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 4.

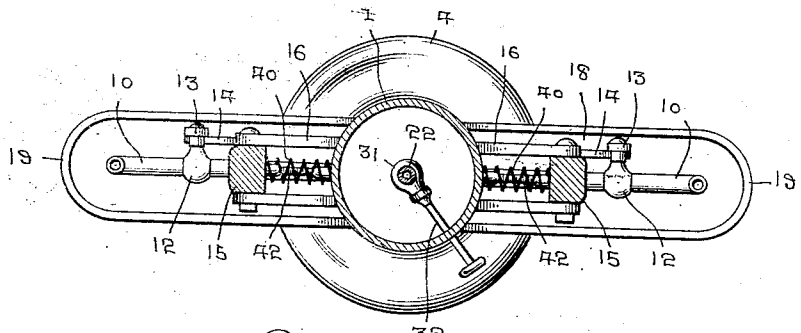
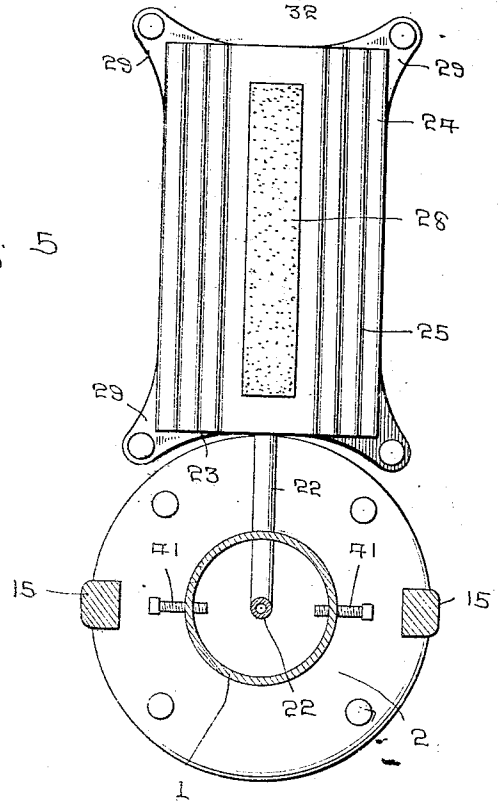


Fig. 5



WITNESSES

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EDWARD G. HAYNE, OF OTTAWA, ILLINOIS.

RUBBING-POST.

1,146,069. Specification of Letters Patent. Patented July 13, 1915.

Application filed December 30, 1913. Serial No. 809,546.

To all whom it may concern:

Be it known that I, EDWARD G. HAYNE, a citizen of the United States, residing at Ottawa, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Rubbing-Posts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to rubbing posts, and the principal object thereof is the provision of means for placing disinfecting oil in position to be spread upon the body of animals as they rub against parts of the device.

A further object is to provide an upper and lower reservoir and means for conveying the contents of the upper reservoir into the lower reservoir.

A further object is to provide means for regulating the flow of the product from the upper to the lower reservoir.

A still further object of the invention is the provision of a device of the class described, which will be simple, durable, efficient in operation and inexpensive to manufacture.

With these and other objects in view, which will become apparent as the description proceeds, the invention resides in the construction, combination and arrangement of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which like characters of reference indicate like parts throughout the figures, of which,

Figure 1 represents a vertical, sectional, view through a post constructed according to my invention. Fig. 2 represents a vertical, transverse, sectional view through the breast oiler, and, Fig. 3 represents a top plan view thereof. Fig. 4 is a sectional view taken on the line *x*—*x* of Fig. 1 looking upward. Fig. 5 is a similar view taken on the same section line looking downward.

Referring more particularly to the drawings, the invention comprises a hollow post provided with an annular flange 2 at its lower end whereby the post may be secured to a platform or other suitable support 3, and enlarged as at 4, near its upper end to form an oil reservoir, closed at its lower end by a partition 6, and at its upper end by a cap 7 provided with a downwardly extending flange 8 to engage the upper end of the post. A funnel shaped screen 9 is supported in the post immediately below closure 7 for straining the oil as the same is poured into the reservoir.

A plurality of pipes 10 are threaded at the inner ends into the lower portion of the reservoir 4, and at their outer ends are turned down as at 11 to form spouts in spaced relation to the posts, and it is through these pipes that the oil is dropped on to the backs of the hogs. The pipes 10 provided with valves 12 each connected by links 13 and 14 to the upper end of a rubbing arm 15 pivoted at the outer end of a lug 16 in spaced relation to the post, and at a point above the center of the rubbing arm, said arm below said pivot point being roughened or corrugated as at 17 to afford a good scratching surface. When the arms are in a vertical position as shown valves 12 are closed, but when an animal displaces one of the arms by rubbing or leaning thereagainst the valve 12 is opened to allow oil to drip from one of the pipes on to the animal, and the valve is returned to closed position when the animal leaves by the tension of a spring 40 disposed between the post 1 and the arm.

The inward movement of the lower ends of the arms 15 is limited by set screws 41, and by adjusting the set screws the extent of the movement of the valves 12 may be regulated as desired. Set screws 42 interposed between the post 1 and the upper ends of the arms 15 limit the outward movement of the lower ends of the latter under the influence of the springs 40 as desired.

A pair of guard members 18 substantially of an inverted U-shape in cross section, closed at their outer ends as at 19, having the inner end bifurcated to fit around the posts, are placed over pipes 10 for protecting the same, and are provided at their inner ends with flanges or offsets 20 connected by bolts 21 for securing the guards in place on the post.

From the partition 6, extends downwardly and out through one wall of the post near the bottom, a pipe 22 connected at its outer end to one end wall of a breast scratcher and oiler 23, which is substantially rectangular in horizontal section and which is hollow, the upper or top wall 24 thereof being oppositely inclined and corrugated or roughened as at 25 to afford a scratching

surface for the breasts and bellies of hogs or other animals. The wall 24 slopes away from the central top wall 26, which is provided with a slot bounded by depending flanges 27 extending nearly to the bottom of the scratcher, and in the slot is inserted a suitable wick 28, which extends a slight distance above the scratcher, and nearly to the bottom thereof, and which is adapted to soak up the oil contained in the scratcher and to transfer the same to the hides of the animals using the scratcher. The scratcher is provided with a plurality of lugs 29 by means of which it may be secured to a suitable base or to the ground, and it is also provided with a plug 30 for filling the scratcher should it be desirable to use the same separate from the post, in which case the opening in the end through which pipes 22 extends would be plugged. Near the upper end of the pipe 22 and below partition 6, is provided a valve 31, stem 32 of which extends through the wall of the rubbing post so that the flow of oil through pipe 22 may be regulated. The scratcher could be used in a vertical position as well as horizontal should it be desired to do so.

Although I have described the preferred embodiment of my invention, I reserve and may exercise the right to make such changes in the construction, combination, and arrangement of parts thereof, as do not depart from the spirit of the invention and the scope of the appended claim.

Having thus described my invention what I claim as new, and desire to secure by Letters Patent is:

A rubbing post comprising; a hollow tubular support having a liquid reservoir, a breast scratcher mounted to one side of the base of said support, means partly housed in said tubular support, to feed liquid from said reservoir to said breast scratcher, and a rotary screw valve regulating device to said feeding means having a shank mounted through the walls of said support and adapted to be externally operated to regulate the feeding of liquid through said liquid feeding means.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWARD G. HAYNE.

Witnesses:
W. I. HARRIS,
E. L. LANGAN.