S. WESTERHEIM.

CURRY BRUSH.

APPLICATION FILED FEB. 11, 1914.

1,259,326.

Patented Mar. 12, 1918.

3 SHEETS—SHEET 1.

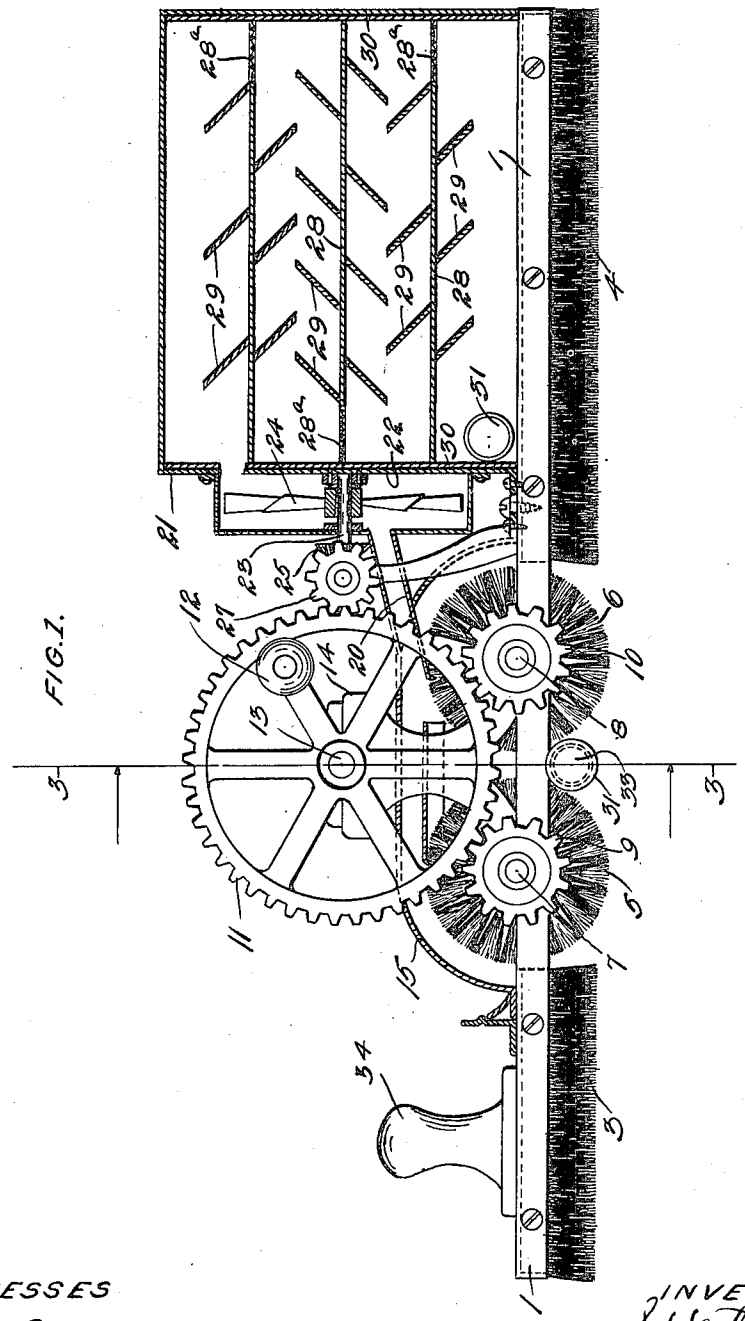


FIG. 1.

WITNESSES

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Leona V. Daughtry

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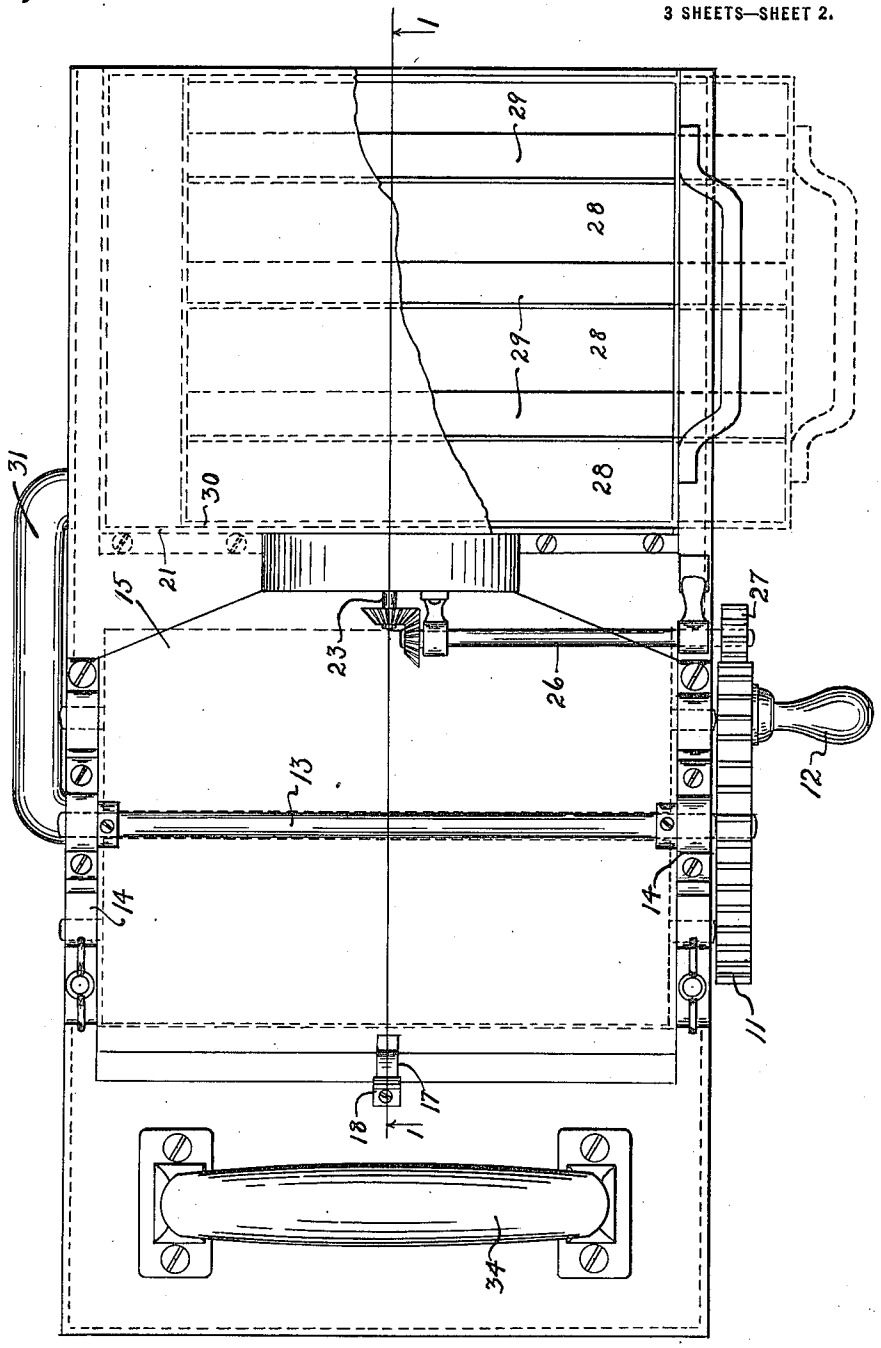


FIG. 2.

WITNESSES

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3 SHEETS—SHEET 3.

FIG. 3.

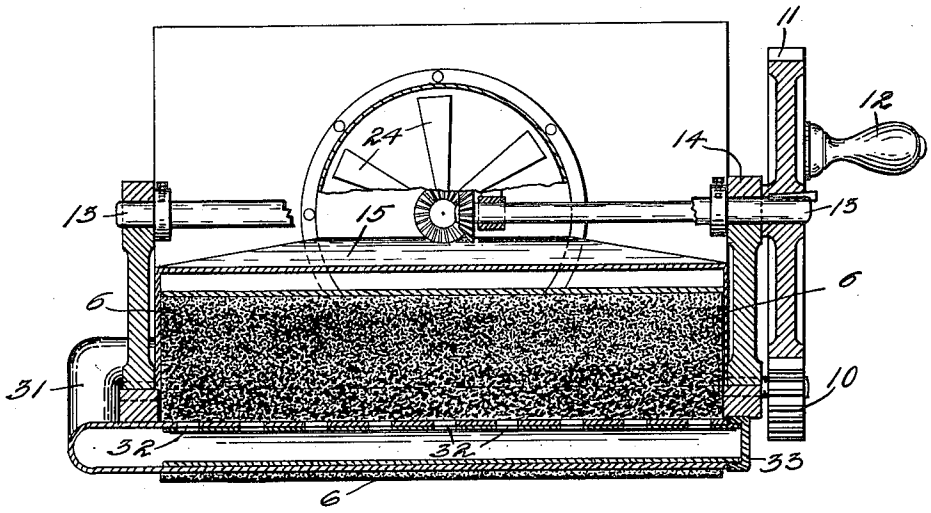


FIG. 4.

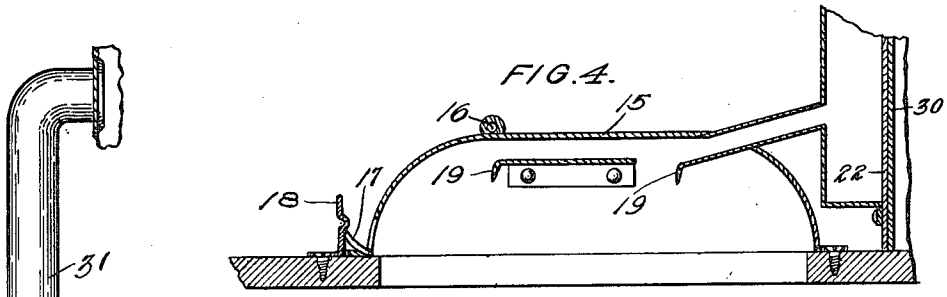


FIG. 5.

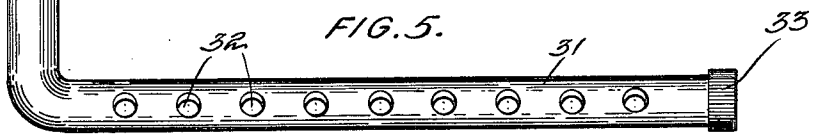
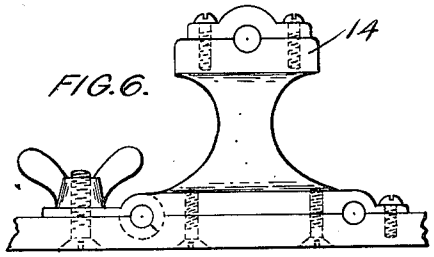


FIG. 6.



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UNITED STATES PATENT OFFICE.

SAMUEL WESTERHEIM, OF DULUTH, MINNESOTA.

CURRY-BRUSH.

1,259,326. Specification of Letters Patent. Patented Mar. 12, 1918.

Application filed February 11, 1914. Serial No. 818,048.

To all whom it may concern:

Be it known that I, SAMUEL WESTERHEIM, a citizen of Norway, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Curry-Brushes, of which the following is a specification.

This invention relates to improvements in curry brushes and one object is to produce a device for grooming animals and preventing loose hair and dirt from flying about during the process. Means for sucking the loose dirt into a receptacle are provided which receptacle can be emptied when desired. With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described in the following specification, pointed out in the claim and illustrated in the accompanying drawings which form a part of said specification and in which—

Figure 1 is a side elevation of my improved curry brush partly in section.

Fig. 2 is a plan of the same.

Fig. 3 is a section taken on line 3—3 of Fig. 1.

Fig. 4 is a vertical longitudinal section through the housing over the brushes.

Fig. 5 is a detail of the adjustable dust tube.

Fig. 6 is a slightly modified form of the bearing for shaft 13.

Like reference characters indicate corresponding parts throughout the several views.

My brush comprises the metallic base 1 which is oblong in shape and which is cut away in part to allow for the rotary brushes used. In the base 1 wooden blocks are secured that form the bases of the brushes 3, 4 which are arranged at opposite ends of the base 1. Between the brushes 3, 4 the base is cut away to permit operation of the rotary brushes 5, 6 which are mounted, respectively, upon shafts 7, 8 disposed in suitable bearings carried by the base 1. Upon one end of each of the shafts 7, 8 gears 9, 10 are secured which both mesh with the master gear 11 provided with the handle 12 and disposed upon the shaft 13 journaled in bearings 14 carried by the base 1.

A housing 15 secured to the base 1 extends over the rotary brushes, one end of said housing being hinged as at 16 and formed with a projection 17 for frictional engagement with the spring 18 disposed upon the base 1. Normally the spring 18 retains the hinged end of the housing in closed position but by depressing said spring the said hinged end may be manually raised to permit access to the brushes. Secured to the housing 15 and within the same are combs 19, 19 in contact with the rotary brushes to clean them as they operate. From the housing 15 a dust tube 20 extends to another housing 21 disposed upon the base above the brush 4 and in the housing 21 a partition 22 is disposed in which one end of a fan shaft 23 is journaled, the other end of said shaft being journaled in the end wall of the housing and a fan 24 is mounted upon said shaft in alinement with the end of the dust tube 20, said fan 24 drawing the dust and dirt out from the brush housing into housing 21. The shaft 23 is connected by a bevel gear 25 with a shaft 26 which at its other end is provided with a pinion 27 engaging the gear 11.

Within the housing 21 a plurality of shelves 28 apertured and screened at 28^a and each formed with upper and lower ribs 29 are supported upon uprights 30 which may be removed from said housing. A suction pipe 31, secured to the base 1, is partly disposed between the rotary brushes and runs from side to side of the said base 1 and into the housing 21, and said pipe comprises an outer and an inner tube, each of which is provided with a plurality of apertures 32; the said apertures of the two tubes being made to register with each other or to be moved out of alinement with each other through the medium of a ring 33 secured to the inner tube and by which ring said tube may be rotated independently of said outer tube. The draft caused by operation of the fan 24 exhausts the air from the housing 21, the dirt settling upon the shelves thereof, and forces it through pipe 31 and out through the pipe openings 32 into the rotary brushes 5, 6 again to loosen the dirt therefrom. A handle 34 secured to the base is used by the operator in holding the brush while, with the other hand, he turns the handle 12 rotating the brushes and transmitting motion to the fan 24. The dust entering the housing 21 falls upon the shelves 29 which may be removed when it is desired to cleanse the device.

What is claimed is:—

A curry brush, including a base provided at its ends with brushes, a plurality of ro-

tary brushes intermediate of the first-referred to brushes, a housing for said rotary brushes, a second housing for receiving dust and provided with a rotary suction fan at one end, means for effecting the conjoint actuation of said rotary fan and said rotary brushes, a suction pipe in communication with both of said housings, and a dust-tube between the rotary-fan chamber and the housing of the rotary brushes, said dust-tube having its outer wall in continuation of a wall of said rotary brush housing and an inner wall thereof depending in the form of a comb engaging one of said rotary brushes, said rotary brush housing having arranged therein a similar comb engaging the other rotary brush.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two subscribing witnesses.

SAMUEL WESTERHEIM.

Witnesses:
N. O. HANSON,
ARVID ALMAN.