

S. M. ROWE.
 COMBINED CURRYCOMB AND BRUSH.
 APPLICATION FILED JAN. 14, 1910.

977,551.

Patented Dec. 6, 1910.

2 SHEETS-SHEET 1.

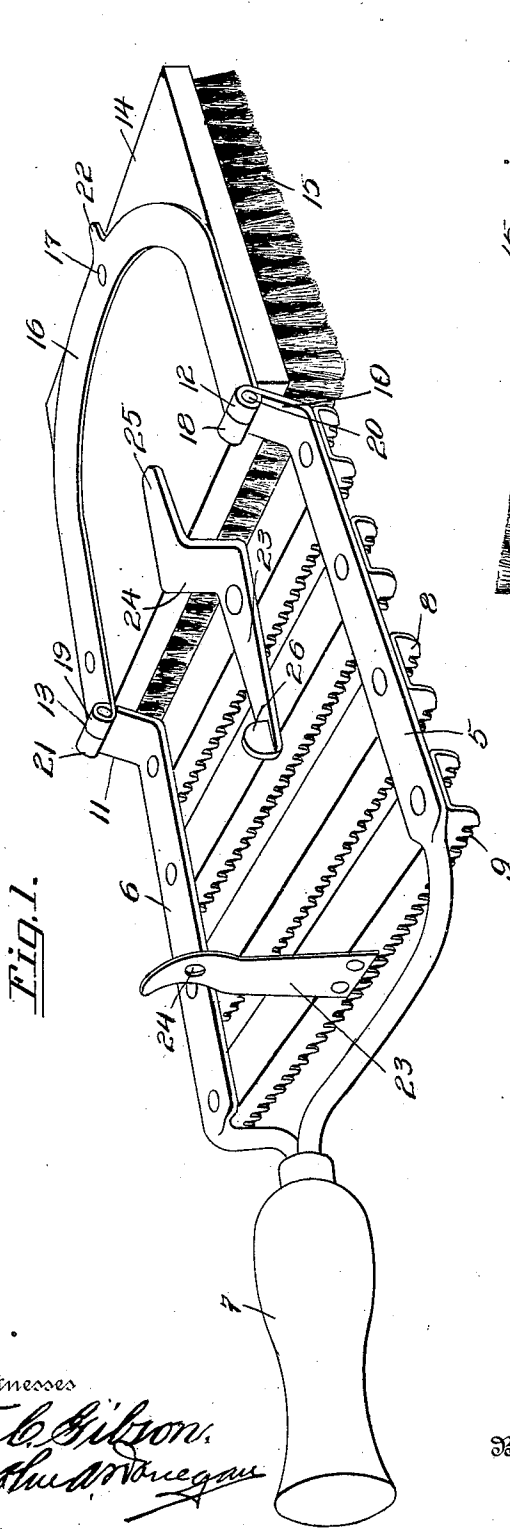


Fig. 1.

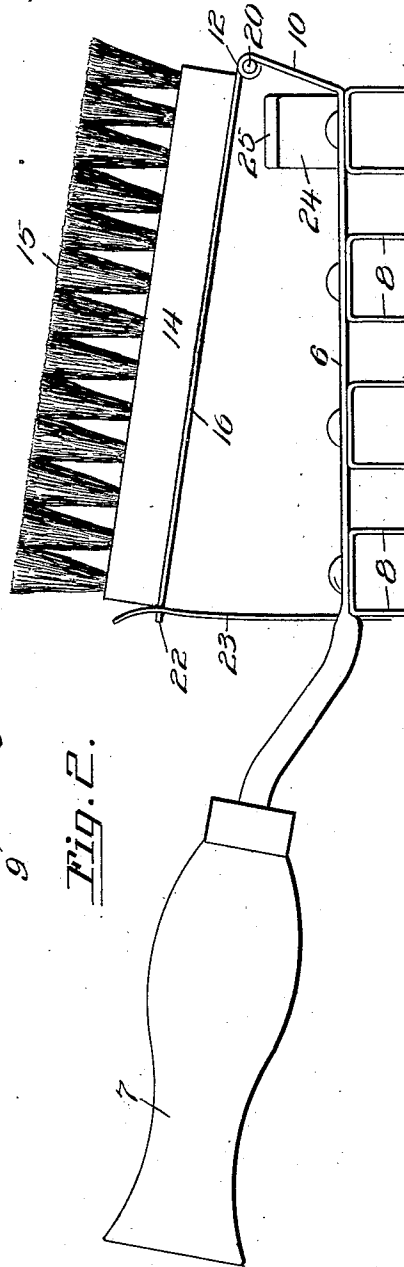


Fig. 2.

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Fig. 3.

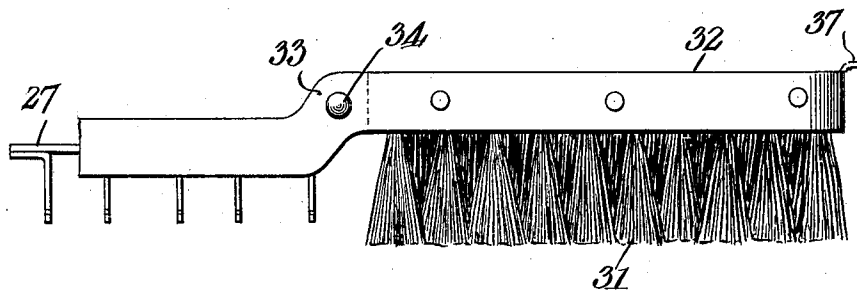


Fig. 4.

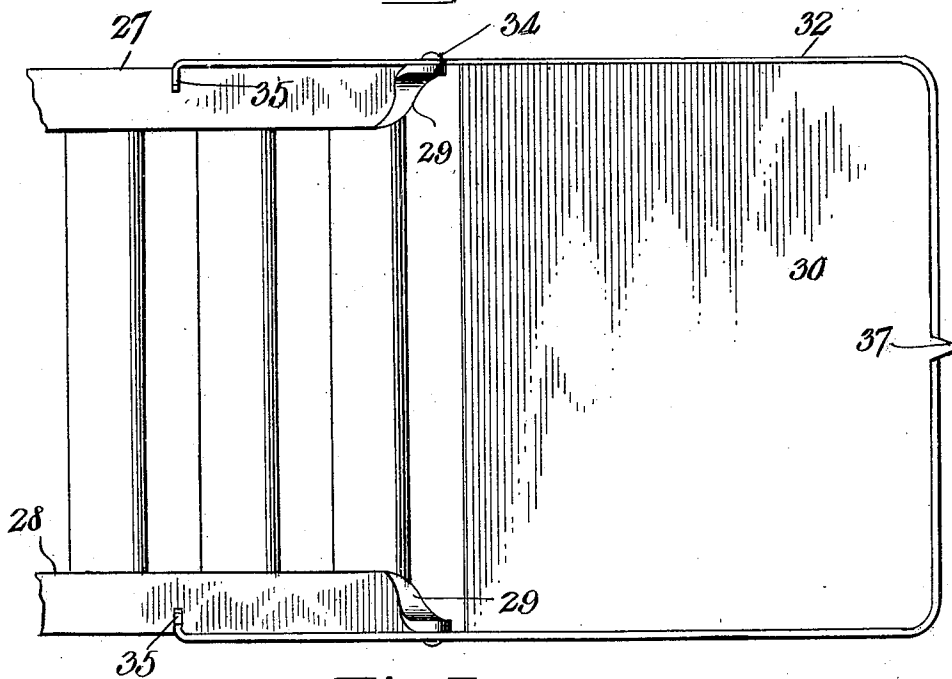
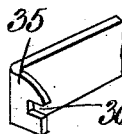


Fig. 5.



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UNITED STATES PATENT OFFICE.

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COMBINED CURRYCOMB AND BRUSH.

977,551.

Specification of Letters Patent.

Patented Dec. 6, 1910.

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To all whom it may concern:

Be it known that I, SIDNEY M. ROWE, a citizen of the United States, residing at Telford, in the county of Washington and State of Tennessee, have invented new and useful Improvements in Combined Currycombs and Brushes, of which the following is a specification.

This invention relates to improvements in horse cleaning implements and has for its object the provision of a combined curry comb and brush so constructed that the operation of currying and brushing may be done simultaneously and separate.

Another object is the provision of a combined curry comb and brush and a member for holding the brush substantially parallel with the comb when it is desired to perform the operations of combing and brushing separately, and so constructed that the brush may be released and moved to a position in a plane with the teeth of the comb in an expeditious manner and without the necessity of the operator removing his hand from the handle of the comb.

A still further object is the provision of a means for positively holding the brush in a plane with the teeth of the comb when it is desired to perform the combing and brushing operation simultaneously.

With these and other objects in view, which will more fully hereinafter appear, the present invention consists in certain novel details of construction and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings and more particularly pointed out in the appended claims; it being understood that various changes in the form, proportion, size, and minor details of the device may be made, within the scope of the appended claims, without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, forming a part of the specification:—Figure 1 is a perspective view of the device showing the brush moved to a position in advance of the comb and with its bristles in a plane with the teeth of the comb. Fig. 2 is a side elevation of the device showing the brush folded over the back of the comb and held against movement. Fig. 3 is a fragmentary side elevation of a modified form of the device. Fig. 4 is a fragmentary plan view of the

same. Fig. 5 is a detail perspective of the catch formed on one end of the band employed for uniting the brush and comb shown in the modified form of the device.

Similar numerals of reference are employed to designate corresponding parts throughout.

What will subsequently be termed the back of the comb includes a pair of oppositely positioned straps designated by the numerals 5 and 6. These members are preferably formed of metal and converge at one end to receive a handle 7. Fixedly secured to the lower faces of the straps 5 and 6 are the usual channeled strips 8, the edges of which are serrated as shown at 9, to provide teeth. The ends of the straps 5 and 6 remote from the handle 7, at points in advance of the foremost set of teeth, incline upwardly as shown at 10 and 11, the upper end portions of these inclinations being reduced in width with the unreduced portions curved so as to provide pintle lugs 12 and 13.

The brush shown in the drawings includes a rectangular-shaped stock 14 provided on one face with the usual bristles 15. It might here be stated that I do not intend to limit myself to any specific form of brush since it will be understood, from what will appear later, how various forms of brushes provided with metallic and ordinary bristles might be employed, without departing from the spirit or sacrificing any of the advantages of the invention. The stock 14 corresponds approximately to the length and width of the comb proper and secured to the upper face of the stock is a yoke 16. The yoke is preferably formed of a single piece of sheet metal corresponding in width to the width of the straps 5 and 6. The distance between the opposite ends of the yoke corresponds approximately to the width of the stock and the yoke is secured to the stock by means of screws or rivets 17 extending through openings formed in the yoke and stock 14. The yoke is so positioned on the stock that its free terminals will extend slightly in advance of what will subsequently be termed the inner end of the stock, the said extending terminals being reduced in width, with the unreduced portions curved so as to provide pintle lugs 18 and 19, which are adapted to aline with the pintle lugs 12 and 13 and receive pintles 20 and 21, by means of which the brush is pivotally united

to the comb. The medial portion of the yoke extends to the outer end of the brush and is provided with a forwardly extending tooth 22 extending in advance of the brush and
 5 the function of which will presently appear.

By reference now to Figs. 1 and 2 it will be seen that rising from the medial portion of the rearmost plate is a keeper 23. This member is preferably formed of spring steel
 10 or its equivalent and has its lower end fixedly secured to the rearmost plate, while its upper end is bulged in a direction toward the forward end and provided with an opening 24. As before stated the brush corre-
 15 sponds in length approximately to the length of the comb, so that when it is moved from the position shown in Fig. 1 to that shown in Fig. 2 the tooth 22 will engage with the upper end of the keeper 23 and move the
 20 same rearwardly until in alinement with the opening 24, whereupon the keeper will move forwardly and maintain the brush in the position shown in Fig. 2. With this construction it will be manifest that the stock
 25 of the brush will be presented toward the back of the comb, whereby the operation of combing and brushing may be done by turning the brush to different positions. When, however, it is desired to perform the
 30 combing and brushing operation simultaneously the operator may, by simply moving the upper end of the keeper rearwardly with his thumb, and without the necessity of disengaging his hand, release the brush
 35 whereupon it may be moved to the position shown in Fig. 1, so that its bristles will be in a plane with the teeth of the comb, or substantially so.

In order that the brush may be held
 40 against movement in the last-named position a latch is employed. This member is preferably formed of a single piece of metal or the like and includes a shank portion 25, one end of which is pivoted to the medial
 45 portion of the foremost plate and adjacent to its pivotal point terminates in an upward extension 24 rising to a point in a plane with the upper face of the stock when the brush is moved so that its bristles will be in a plane
 50 with the teeth. The upward extension 24 terminates in a forwardly extending nose 25 which is designed to bear on the upper face of the stock and prevent upward movement of the latter. The opposite end of the shank
 55 23 terminates in a button 26 by means of which the latch may be moved on its pivot so as to bring the nose into and out of engagement with the stock 14.

In the modified form illustrated in Figs.
 60 3 and 4 the straps supporting channeled teeth plates are designated by the numerals 27 and 28. Adjacent to their forward ends these straps are given a half turn as shown at 29 and provided with openings. The
 65 stock of the brush in this instance is desig-

nated by the numeral 30 and the bristles by the numeral 31 and embracing the front end and opposite sides of the stock is a band 32. The opposite sides of the band 32 at points slightly in advance of the inner end of the
 70 stock are offset downwardly as shown at 33, and are provided with openings adapted to aline with the openings in the turned portions 29 of the straps these alining openings receiving pivot pins 34 by means of which
 75 the brush and comb are pivotally united. The free ends of the bands extend to points adjacent to the medial portions of the straps 27 and 28 and terminate in inward extensions 35. It will be observed, owing to the
 80 disposition of the band that the free end portions of the latter will bear on the outer sides of the straps 27 and 28 and in order that the brush may be secured against movement
 85 when its bristles are in a plane with the teeth of the comb the intumed portions 35 are provided with slots 36 which receive the straps 27 and 28, as clearly shown in Figs. 3 and 4. It will be observed when the slots 36 receive
 90 the straps 27 and 28 that movement of the brush will be positively prevented until the free end portions of the band are sprung outward sufficiently far to clear the straps 27 and 28, whereupon the brush may be folded
 95 over the back of the comb, as before described. It will be observed by reference to Figs. 4 and 5 that projecting in advance of the medial portion of the band 32 is a tooth 37 to be received by the keeper, not shown, in the manner before described.
 100

From the foregoing it can be seen that I have provided a device which is comparatively simple in structure and inexpensive to manufacture, embodying few parts and these so arranged that the danger of de-
 105 rangement will be reduced to a minimum.

I claim:—

1. The combination with a curry comb provided at one end with a handle and a brush hinged to the opposite end of the
 110 comb; of a spring keeper arranged perpendicular to the curry comb and located at the end thereof adjacent to the handle, the free end portion of said keeper being curved and provided with an opening, and a tooth ex-
 115 tending beyond the free end of the brush to be received by the opening of the keeper when the brush is folded upon the comb, substantially as described.

2. In combination, a curry comb having a
 120 pair of spaced strap members on the back thereof, said straps extending to one end of the comb and terminating in forwardly inclined extensions, a brush having on the back thereof a strip the opposite ends of which ex-
 125 tend beyond one end of the brush and are pivotally connected to the forward extensions of the straps, and the medial portion of which is provided with a tooth, and a resilient keeper fixed to the free end of the
 130

comb having an opening to receive the tooth when the brush is folded upon the comb, substantially as described.

3. In combination, a curry comb having a
5 pair of spaced strap members on the back thereof, said straps extending to one end of the comb and terminating in forwardly inclined extensions, a brush having on the back
10 thereof a strip the opposite ends of which extend beyond one end of the brush and are pivotally connected to the forward extensions of the straps, and the medial portion of
15 which is provided with a tooth, and a resilient keeper fixed to the free end of the comb having an opening to receive the tooth when the brush is folded upon the comb, and means for securing the brush in alinement with the comb when the parts are in unfolded position, substantially as described.

20 4. The combination with a curry comb

having a pair of spaced strap members on the back thereof, said strap members extending to one end of the comb and terminating in forwardly inclined extensions, a
brush having a strip on the back thereof, the 25 opposite ends of which extend beyond one end of the brush and are pivoted to the forward extensions of the straps, the extremities of the projecting portions of said strip being intumed and recessed to receive the 30 sides of said straps when the brush is moved to a position in alinement with the comb, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

SIDNEY M. ROWE.

Witnesses:

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BENNETT S. JONES.