

(No Model.)

D. K. FERGUSON.
BRUSH.

No. 462,943.

Patented Nov. 10, 1891.

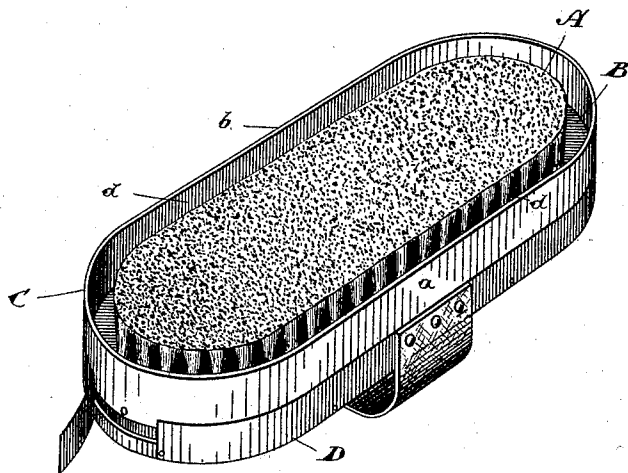


Fig. 1

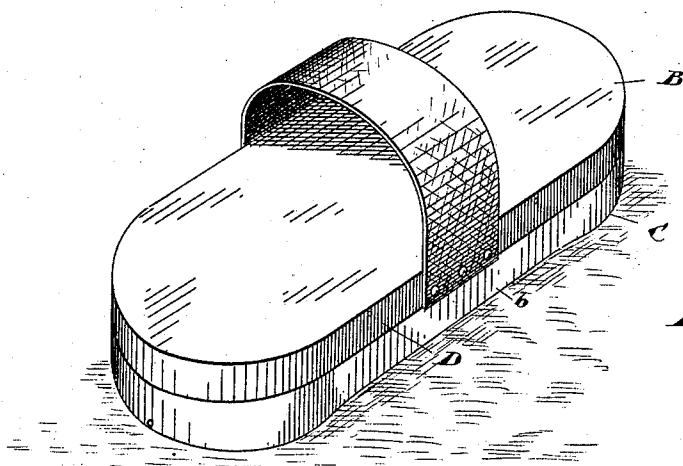


Fig. 2

Witnesses

J. Edw. Maybee
H. G. Mcmillan.

Inventor

Daniel H. Ferguson
by Donald C. Ridout & Co.
Attys.

UNITED STATES PATENT OFFICE.

DANIEL K. FERGUSON, OF SIMCOE, CANADA.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 462,943, dated November 10, 1891.

Application filed May 25, 1891. Serial No. 393,996. (No model.)

To all whom it may concern:

Be it known that I, DANIEL KERR FERGUSON, of the town of Simcoe, in the county of Norfolk, in the Province of Ontario, Canada, have invented a certain new and useful Improvement in Brushes, of which the following is a specification.

The object of the invention is to make a brush which will hold the dust it removes in such a manner as to prevent it flying away in a cloud, but at the same time without clogging the bristles of the brush; and it consists, essentially, of a brush surrounded by a flexible wall, a space being left between the bristles and the said wall, substantially as hereinafter more particularly explained.

Figure 1 is a perspective bottom view of my improved brush, partially broken away to expose the manner of connecting the flexible wall to the body of the brush. Fig. 2 is a perspective view of the brush, showing the shape the wall assumes when the brush is being used.

The letter A represents the bristles of the brush, which are connected to the back or body of the brush B in the usual way.

C is a wall tacked or otherwise connected to the back or body B, so as to surround it. This wall I make of rubber or other flexible material, and is set so that its bottom edge will be substantially flush with the end of the bristles A. It will be noticed that there is a space between the inner edge of the flexible wall C and the outside of the back or body B. This space is left so that the flexible wall C may be moved up on the back or body

B as the bristles A wear away. A strip D, of sheet metal or other suitable material, is tacked around the back or body B, so as to cover the joint between the flexible wall C and the said back or body, thereby forming a finish to hide the said joint.

It will be observed on reference to Fig. 1 that there is a space between the flexible wall C and the bristles A. This space permits the flexible wall C to bend slightly outwardly on one side *a*, while its opposite side *b* is bent inwardly, as indicated in Fig. 2.

In order to brush without raising a dust, the brush is drawn slowly over the surface being acted upon, the brush being raised slowly at the end of each stroke. The dust which is thus scraped off collects in the space *d* between the flexible wall C and the bristles A, and the said dust may be shaken out quickly without being scattered in the air.

My brush is specially invented for a horse-brush; but of course it may be used for all classes of work that it may be found applicable to.

What I claim as my invention is—

A brush having a flexible wall fixed to and extending from its back or body, so as to surround the bristles, a space being left between the flexible wall and the said bristles, substantially as and for the purpose specified.

May 20, 1891.

DANIEL K. FERGUSON.

In presence of—

W. E. TISDALE,
FRANK REID.