

J. HAYMAN.

Brushes.

No. 134,278.

Patented Dec. 24, 1872.

FIG. 1.

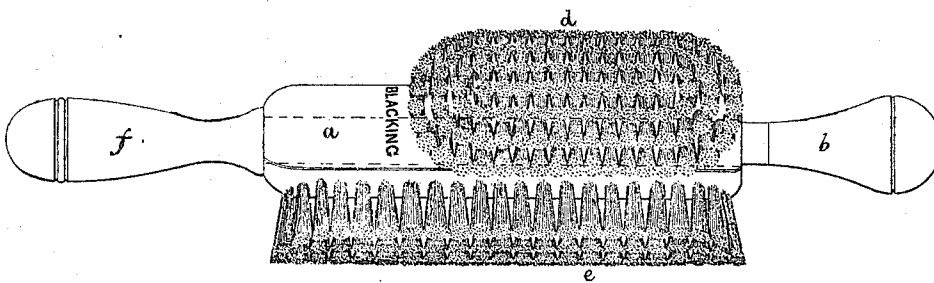


FIG. 2.

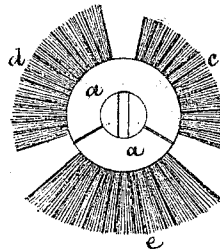
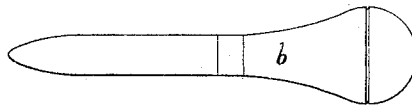


FIG. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN HAYMAN, OF POOLE, ENGLAND.

IMPROVEMENT IN BRUSHES.

Specification forming part of Letters Patent No. 134,278, dated December 24, 1872.

To all whom it may concern:

Be it known that I, JOHN HAYMAN, of Poole, England, brush-manufacturer, have invented certain Improvements in Brushes, and in apparatus connected therewith, of which the following is a specification:

I will describe the invention with reference to boot and shoe cleaning brushes.

Figure 1 of the accompanying drawing is a side elevation, and Fig. 2 is an end elevation, of such an arrangement, but with the knife or scraper removed.

The body *a*, or part to which the brushes *c*, *d*, and *e* are secured, is made of a cylindrical shape, or nearly so, the cylindrical being the cheapest to make; but other shapes may be used if found more advantageous. The brushes are arranged on and around the same, as shown, and fastened either by setting or drawing. A handle, *f*, forms a continuation of the body at one end, and at the other end is a deep hole for a scraper-knife, *b*, forming its sheath in the stock of the brush, and this scraper may be used as a second handle, if desired. This knife is intended for scraping off the mud or dirt, and is shown separately at Fig. 3. As here shown the body is made hollow and of two parts, mounted on the continuation of the handle, thus affording facility for inserting and fastening the brush-tufts. If these are fastened according to the new or machine process, the handle may be turned out of one solid piece with the body, the tuft-

brushes being inserted and fastened from one side, in that case.

Two of the brushes, viz., the blacking-brush and the dirt-brush, are, by preference, made shorter than the third or polishing-brush, in order to compensate for the unequal wear these three brushes are exposed to, and in order to afford a better hold for the fingers when taking hold by the handle, besides giving a space for a label or other mark. In order to easily distinguish one brush from another, I place labels or a stamp on the handle or stock, to denote the name or class of the brush opposite or above it. For example, opposite the cleaning-brush I place the word "Hard;" opposite the blacking-brush I place the word "Blacking;" and opposite the polishing-brush I place the word "Polishing," or such other equivalent words as may be desired, or I place distinguishing words or marks below, say, two of them.

I claim—

The stock or body *a*, with brushes *c d e* around it, a handle, *f*, at one end, and a hole at the other end, forming a sheath, in combination with the movable knife *b*, as and for the purposes set forth.

JOHN HAYMAN.

Witnesses:

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His Clerk.