

JAMES A. BELL.

Improvement in Brushes.

No. 129,205.  
Patented July 16, 1872.

Fig. 1.

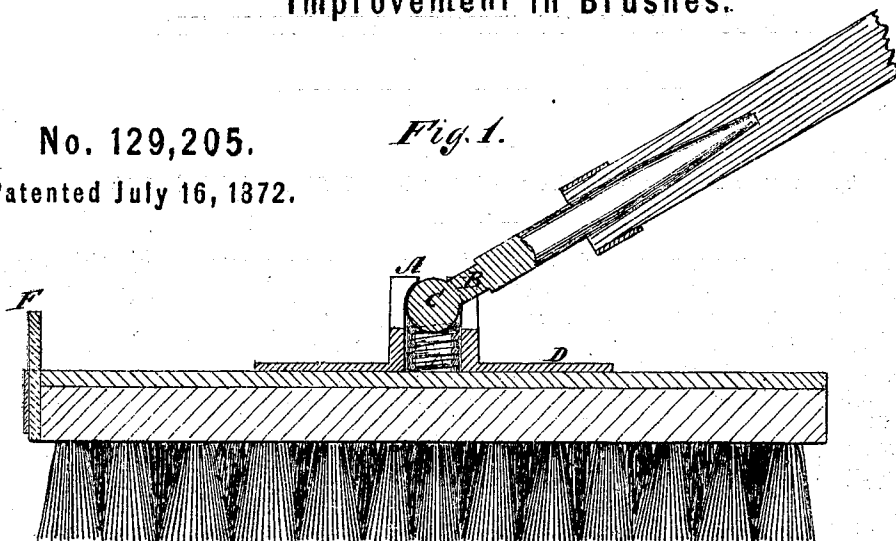
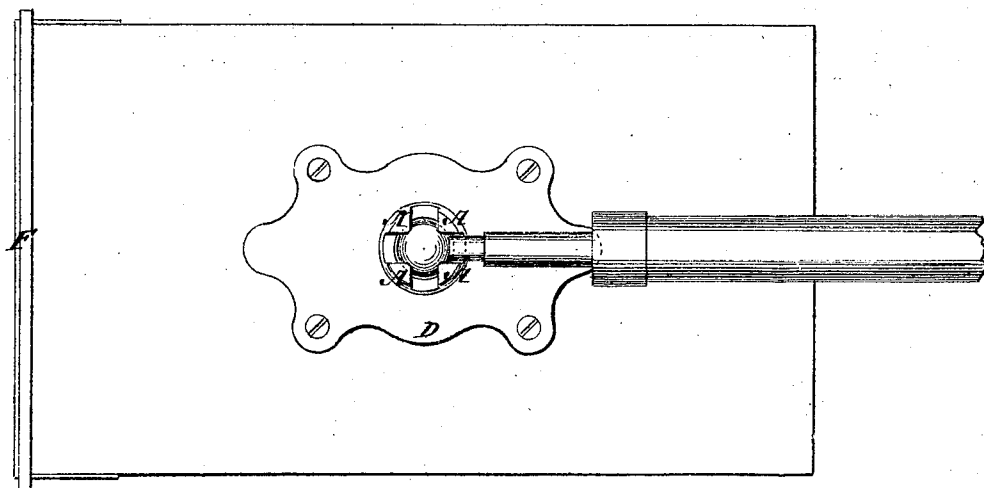


Fig. 2.



Witnesses:

*E. Woff.*  
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*J. A. Bell*

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# UNITED STATES PATENT OFFICE.

JAMES A. BELL, OF TYRONE, PENNSYLVANIA.

## IMPROVEMENT IN BRUSHES.

Specification forming part of Letters Patent No. 129,205, dated July 16, 1872.

Specification describing a new and useful Improvement in Brushes, invented by JAMES A. BELL, of Tyrone, in the county of Blair and State of Pennsylvania.

The invention will first be fully described and then clearly pointed out in claim.

Figure 1 is a longitudinal sectional elevation of a brush and handle jointed together according to my improvement, and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

In this example I have represented a universal joint of the kind known as the ball-and-socket joint, with the addition of the four studs or spurs A rising up from the shell of the socket high enough for the shank B of the ball C to be confined between them when the handle is held in the hands of the operator for working the brush, so that the latter will be prevented from turning on the handle; but I propose to use any kind of a universal joint with any equivalent of the studs A—for instance, studs rising up from the base-plate D will do. E is a spring placed on the ball

below the socket to take up the slack and prevent rattling. Said spring may be used or not, as preferred.

To shift the handle or brush the handle is raised to a vertical position and dropped down into any one of the spaces between the studs, as required. The rubber F may be attached to the side of the brush with a swiveled handle, as well as to the end.

Brushes with the handles thus connected can be worn evenly on all sides, and thus be made more desirable than others.

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

The combination of a brush having four studs, A, curved inwardly at the upper end, handle having shank B, provided with ball C at the end, and spring E placed between studs A, as and for the purpose described.

JAMES A. BELL.

Witnesses:

J. M. CALDERWOOD,  
FRANK GUYER.