

JOHN D. GERNEZ.
Improvement in Sandpaper Holders.
No. 123,888.

Patented Feb. 20, 1872.

Fig. 1.

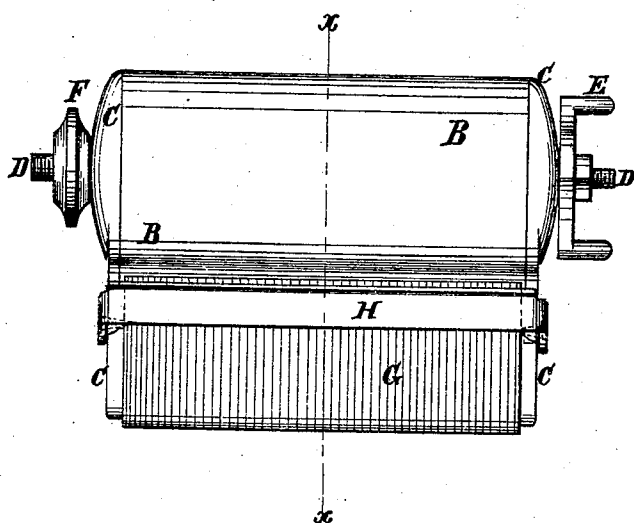


Fig. 2.

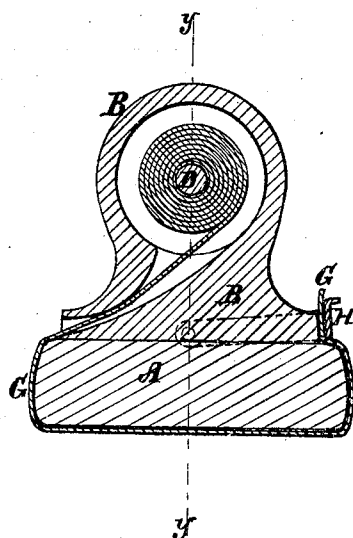


Fig. 3.

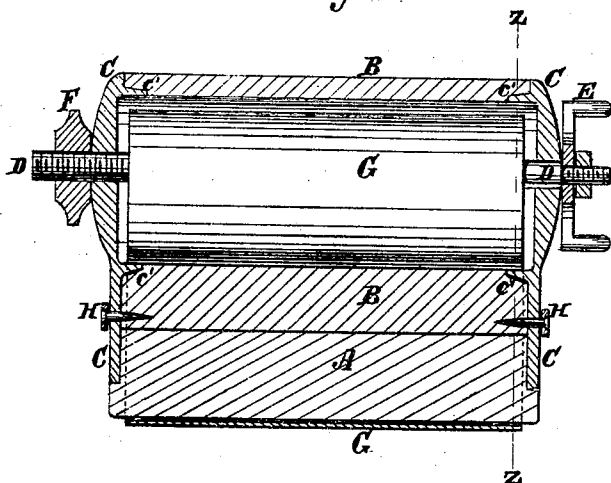
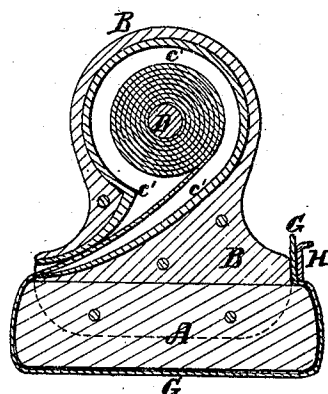


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN D. GERNEZ, OF NEW YORK, N. Y.

IMPROVEMENT IN SAND-PAPER HOLDERS.

Specification forming part of Letters Patent No. 123,888, dated February 20, 1872.

Specification describing a new and useful Improvement in Sand-Paper Holders, invented by JOHN D. GERNEZ, of the city, county, and State of New York.

Figure 1 is a side view of my improved sand-paper holder. Fig. 2 is a detailed vertical cross-section of the same taken through the line *x x*, Fig. 1. Fig. 3 is a detailed vertical longitudinal section of the same taken through the line *y y*, Fig. 2. Fig. 4 is a detailed vertical cross-section of the same taken through the line *z z*, Fig. 3.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved device for holding sand-paper while being used, which shall be so constructed as to hold the sand-paper securely, and at the same time in such a way that it will not injure the fingers of the operator, and may be shifted as it becomes worn, so that all the paper may be used up; and it consists in the construction and combination of the various parts of the holder, as hereinafter more fully described.

A is the cork-block, over which the sand-paper is drawn while being used, and upon the upper side of which is placed the base of the wooden hand-piece B, the upper part of which is made cylindrical in shape, as shown in Figs. 1, 2, and 4. The upper part of the hand-piece B has a cylindrical hole formed through it to receive the roll of sand-paper, from which hole a slot leads out through the side of the base of said hand-piece, just above the cork-block A, for the sand-paper to pass through, as shown in Figs. 2 and 4. C are end plates, which are attached to the ends of the cork-block A and hand-piece B. Upon the inner side of the plates C are formed flanges *c'*, which fit into the ends of the cylindrical hole and of the slot of the hand-piece B, and support said hand-piece at the same time that they form a groove or channel for the side edges of the strip of sand-paper to work in. D is a rod or shaft, which passes through the center of the cylindrical hole in the hand-piece B, and through holes in the end plates C, which thus serve as bearings for the said shaft D. Upon one end of the shaft D is placed a small crank or crank-wheel, E, which is secured in place by a nut

screwed upon the end of the said shaft, as shown in Figs. 1 and 3. Upon the other end of the shaft D is screwed a hand-nut, F, so that by turning up the said nut F the shaft D may be clamped in any position into which it may be turned. G represents a strip of sand-paper, one end of which is securely fastened to the shaft D, or to a strip of leather or other suitable material attached to said shaft, so that by turning the shaft D by means of the crank or crank-wheel E, the strip of sand-paper may be drawn into the cavity of the hand-piece B and wound upon the shaft D, as shown in Figs. 2 and 4. The outer end of the strip of sand-paper G is passed beneath the cork-block A and drawn above the side edge of said cork-block where it is clamped against the side edge of the base of the hand-piece B by the bar H, the ends of which are bent at right angles and are pivoted to the plates C, as shown in Figs. 2 and 3.

By this construction, when the sand-paper upon the face of the block is worn out the clamp H is raised, the nut F is loosened, and the strip of sand-paper G is drawn out sufficiently to furnish a new rubbing-surface. The clamp H is then pushed down, the shaft D turned by the crank E sufficiently to draw the strip of sand-paper firmly over the face of the cork-block A, and the nut F is turned up to lock the said shaft D securely in place. The worn-out part of the strip of sand-paper may then be torn off and the instrument is again ready for use.

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

An improved sand-paper holder, formed by the combination of the cork-block A, recessed and slotted hand-piece B, flanged end plates C *c'*, shaft D, crank or crank-wheel E, hand-locking nut F, and pivoted clamp-bar H, with each other, to adapt them to receive and hold a strip of sand-paper, G, substantially as herein shown and described, and for the purpose set forth.

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