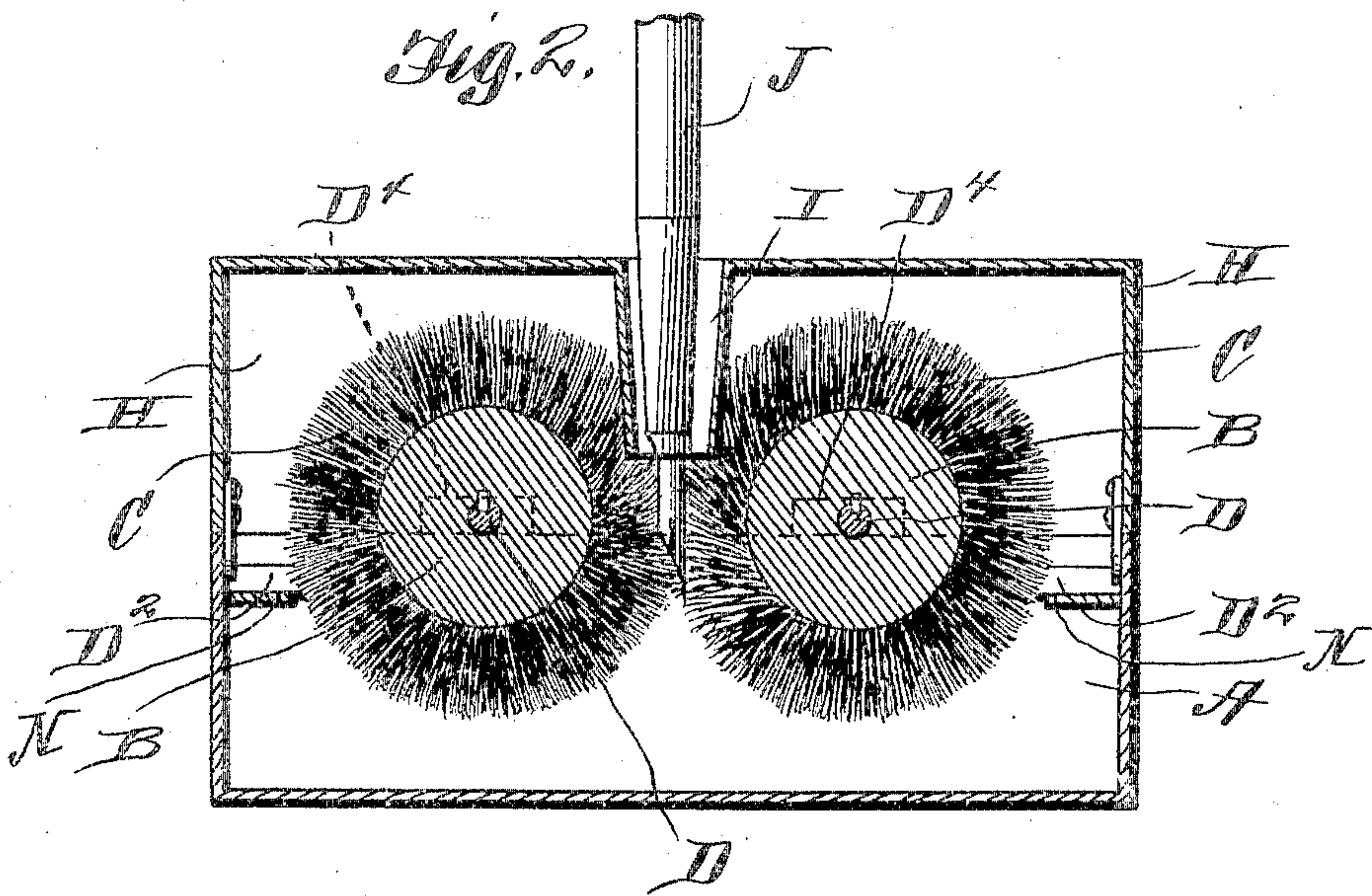
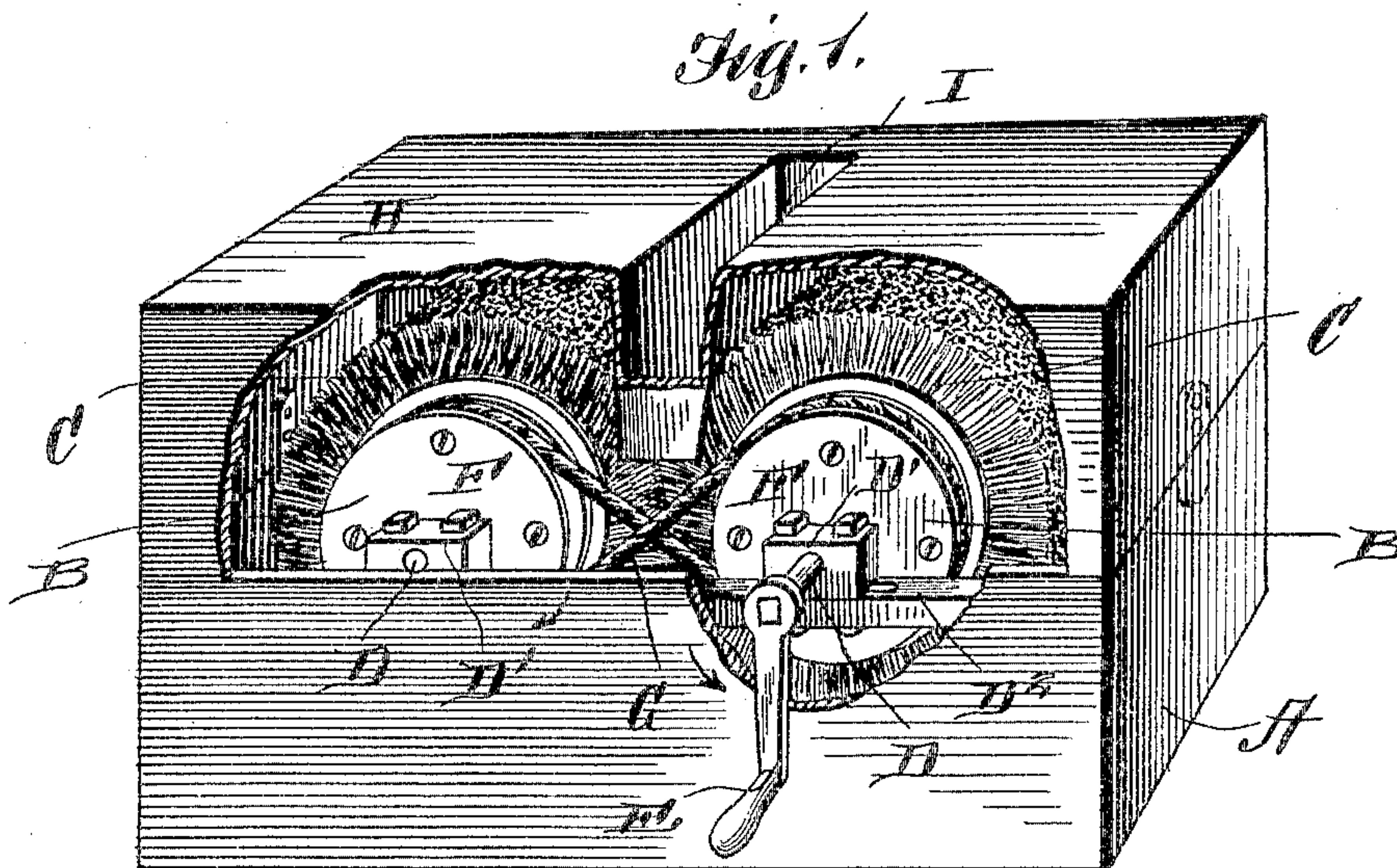


No. 789,616.

PATENTED MAY 9, 1905.

J. T. LEONARD.  
DEVICE FOR CLEANING PENS.  
APPLICATION FILED SEPT. 28, 1904.



Witnesses

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# UNITED STATES PATENT OFFICE.

JOSEPH THOMPSON LEONARD, OF ROLLING PRAIRIE, INDIANA.

## DEVICE FOR CLEANING PENS.

**SPECIFICATION** forming part of Letters Patent No. 789,616, dated May 9, 1905.

Application filed September 28, 1904. Serial No. 226,391.

*To all whom it may concern:*

Be it known that I, JOSEPH THOMPSON LEONARD, a citizen of the United States, residing at Rolling Prairie, in the county of Laporte and State of Indiana, have invented a certain new and useful Improvement in Devices for Cleaning Pens; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in devices for use in cleaning writing-pens; and it has for its object the provision of a simple and efficient device of this character consisting of a box or receptacle within which is inclosed two brushes which are adapted by the turning of an operating-handle to be rotated in opposite directions, the faces of the brushes coming in contact with each other, and in the provision of a suitable cover for the receptacle containing the brushes, said cover being provided with a suitable recess or chamber located directly above the meeting faces of the roller, said opening or chamber being adapted to receive the pen to be cleaned by the action of the brushes, as will hereinafter appear.

To these ends and to such others as the invention may pertain the same consists in the peculiar construction and novel combination, arrangement, and adaptation of parts, all as will be hereinafter fully described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of a pen-cleaning device constructed in accordance with my invention, parts being broken away in order to better illustrate the construction; and Fig. 2 is a central longitudinal vertical section of the same with a pen shown as in position for cleaning.

Reference now being had to the details of

the drawings by letter, A represents a box which may be constructed of wood, metal, or other material adapted to the purpose.

B B are rotary spools or brushes provided with bristles C. These brushes are keyed to shafts D D, which shafts are provided with suitable journal-bearings D', carried by the transverse bars D<sup>2</sup>, extending longitudinally along the opposite side edges of the box, and said brushes are so positioned relatively that their meeting surfaces will contact throughout their entire length. In order that the degree of pressure between the two meeting faces of the rollers may be regulated, the journal-boxes upon the bars D<sup>2</sup> are made adjustable in the direction of the length of the bars upon which they are carried, as shown, and suitable slots D<sup>4</sup> are provided in the casing to provide for the movement of the axles of the rollers, as shown. When it is desired to regulate the distance between the axles of the rollers, it will simply be necessary to loosen the boxes or bearings, and when the proper adjustment is secured the journals are secured in their adjusted positions by the tightening of the nuts upon the bolts holding the journals to the bars D<sup>2</sup> to which they are secured.

A suitable operating-crank E is secured to the extended end of one of the axles D. Upon one end of each of the rotary spools or brushes is provided a pulley or drum F, and around said drums is passed a suitable cross band or cord G, so that the brushes when thus connected will be caused to rotate toward one another and in opposite directions, as will be readily seen.

H is the upper cover or compartment, which is designed to be fitted over the box A and when in place forms the upper portion of the receptacle containing the brushes. This upper portion or cover H may, if desired, be hinged to the box in which the brushes are journaled, or they may have any suitable spring connection—such, for instance, as that illustrated in the drawings. Said cover portion H is provided at its longitudinal center and directly over the meeting faces of the rotary brushes with a transverse vertical chamber I, open at both of its ends and preferably of somewhat greater width at its upper than



at its lower end and the side walls tapering gradually downward, this chamber I being designed to receive the pen J, to be cleaned.

In order to clean the brushes, I provide  
5 shelves N, which project from the ends of the receptacle and against which the brushes rotate, as will be clearly seen in Fig. 2 of the drawings.

From the foregoing description, in connection with the drawings, the operation of the  
10 device will be readily understood. It is designed to have the device conveniently located either upon or adjacent to an office desk or table, and when it is designed to clean a pen  
15 it will be simply necessary to insert the point of the pen downward through the chamber I, so that the pen will be forced between the two meeting faces of the rotary brushes. By turning the handle E the brushes will be ro-  
20 tated and the ink or other foreign substance contained upon the pen will be at once removed downwardly by the brushes.

If desired, any form of clamping device adapted to the purpose may be employed for  
25 holding the pen during the process of clean-

ing; but ordinarily such clamping device would not be required. It will be noted that the brushes, rotating downwardly and toward each other, will effectually act upon the pen in the direction of its point, thus effectually  
30 removing ink or other material upon both faces of the pen simultaneously.

Having thus fully described my invention, what I claim as new, and desire to secure by  
Letters Patent, is--

A pen-cleaning apparatus comprising a box  
35 made up of two sections, a portion of the top of the upper section being depressed and opening into the box to receive a pen to be cleaned, brushes journaled in suitable bearings in said  
40 box, and means for rotating said brushes against the sides of said depressed portion, as set forth.

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

JOSEPH THOMPSON LEONARD.

Witnesses:

WILLIAM STULTZ,  
HARRY BREWER.