

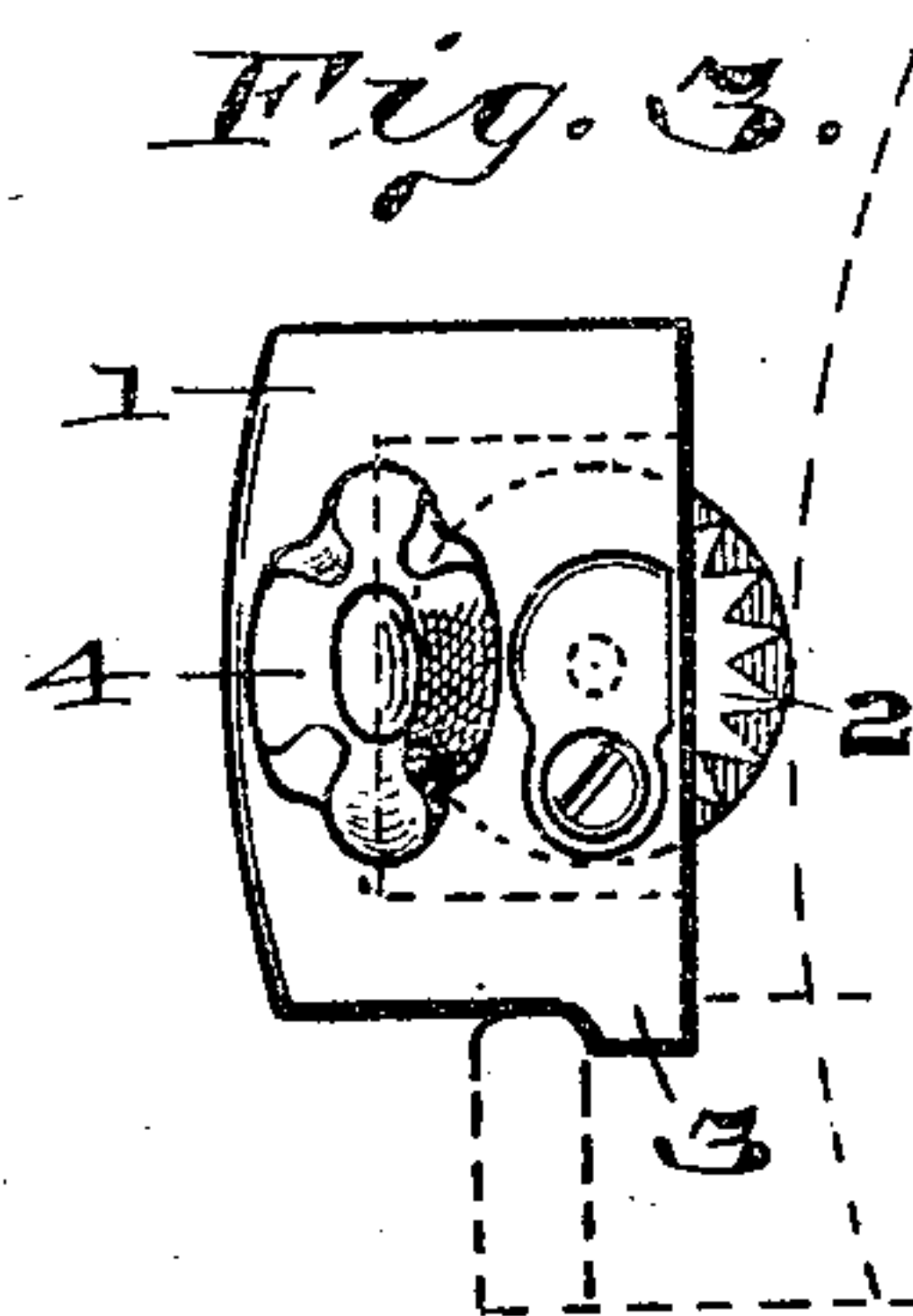
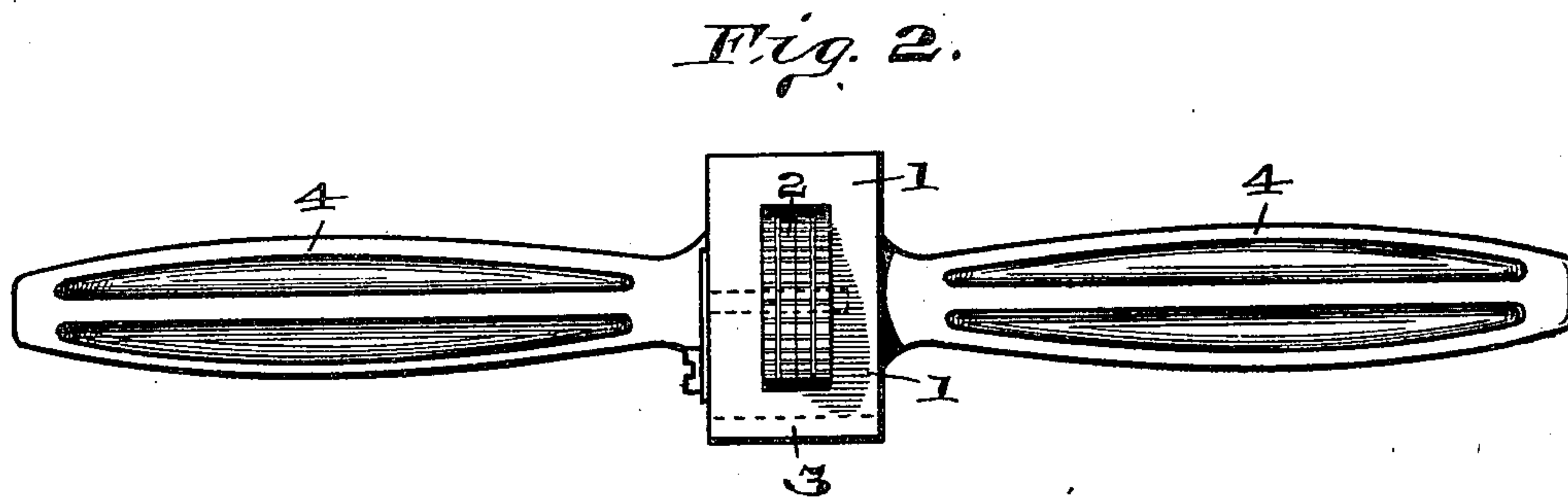
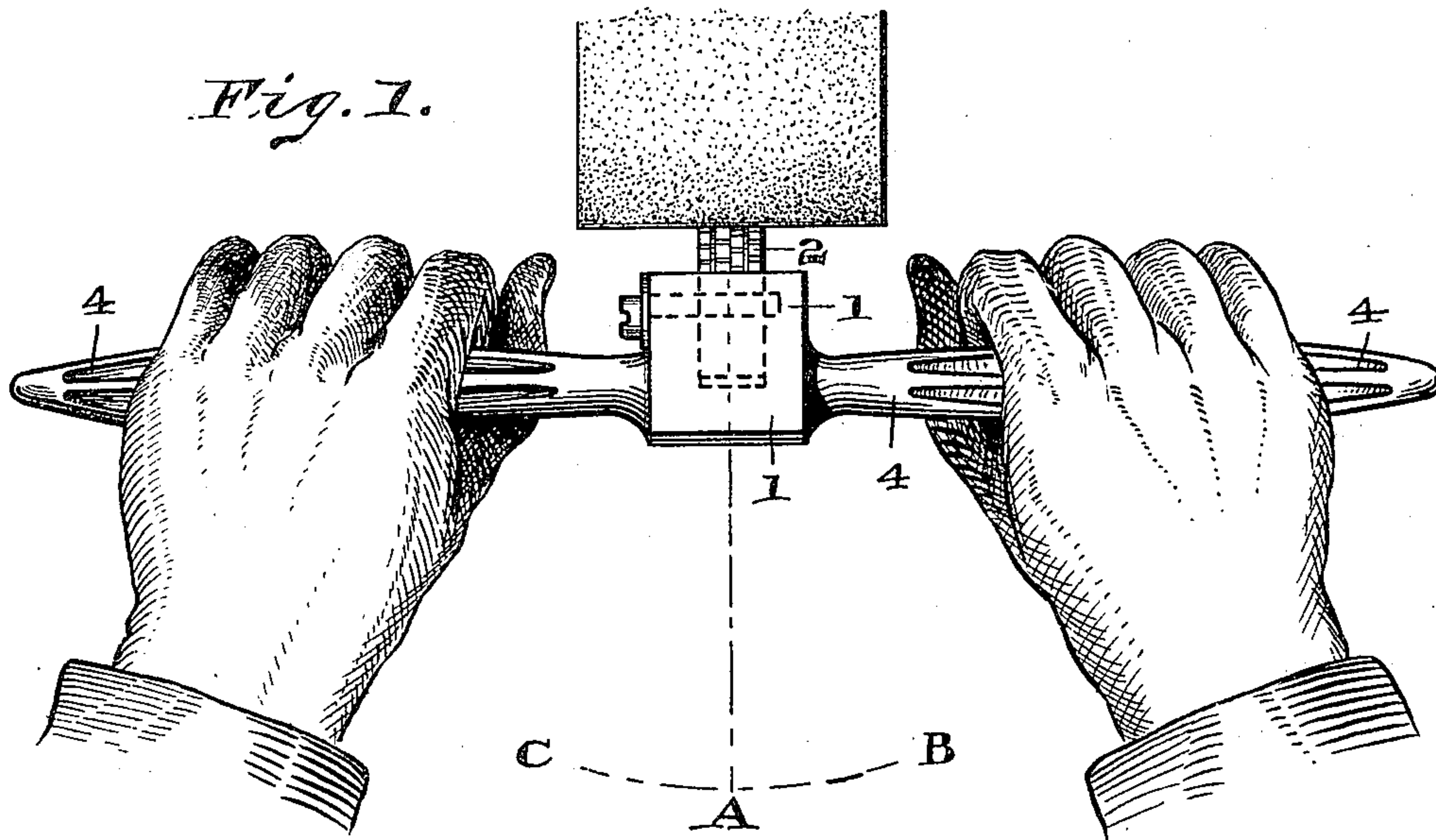
No. 670,112.

Patented Mar. 19, 1901.

R. O. RUPERT.
DRESSER FOR EMERY WHEELS.

(Application filed July 5, 1900.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

ROBERT O. RUPERT, OF INDIANAPOLIS, INDIANA.

DRESSER FOR EMERY-WHEELS.

SPECIFICATION forming part of Letters Patent No. 670,112, dated March 19, 1901.

Application filed July 5, 1900. Serial No. 22,599. (No model.)

To all whom it may concern:

Be it known that I, ROBERT O. RUPERT, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Dressers for Emery-Wheels, of which the following is a specification.

The object of my invention consists in the addition to a dresser for emery-wheels, in which the facility for handling said dresser is not only improved, but by which work can be more expeditiously and thoroughly accomplished in a stated period, thereby saving time, labor, and expense.

The objects in redressing an emery-wheel consist, first, in removing the irregularities which appear from time to time on the wheel's surface and which are brought about by the continual usage thereof, the redressing resulting also in the "squaring" and "truing" of the wheel, and, secondly, while the wheel is going through the redressing process it is cleaned of all impurities, such as the different grinding-dusts from the different metals which are ground on the wheel and of which a certain percentage is driven into the pores of the emery which constitutes the wheel's construction and all of which must be removed before the wheel can be classed as being in fit condition for future use.

The object of my invention, as before stated, consists, specifically speaking, in taking such a tool and adding thereto a construction whereby the said tool can be easily handled and one in which the movements thereof during the dressing period are under complete control of the operator.

The operation of this device, together with the differences compared with other dressers, will be hereinafter more particularly described and then pointed out in the claim.

Referring to the accompanying drawings, which are made a part hereof, and on which similar numerals of reference indicate similar parts, Figure 1 is a top plan view of an emery-wheel dresser and shows my improvements thereon. This figure also shows the manner in which the dresser is held during operation. Fig. 2 is a front elevation of the dresser, and Fig. 3 is an end view thereof.

In the drawings, 1 is the central housing of the dresser, in which the disks 2 are secured. The disks are of different construction, in which a portion have a smooth and the others a toothed edge. This construction, however, is old, and no other reference will be made thereto except incidentally with other features. As before stated, while the disks 2 and the housing 1 are old, the manner of positioning the handles so as to use the tool more effectually is the main object of my invention. In similar tools of previous constructions the handle has always been in a longitudinal line with the disks 2. (See dotted line to A in Fig. 1.) This tool was never more than a partial success as a proper manipulation of the tool, its relative bearing with the wheel could never be controlled or regulated, the handle swinging more or less out of the longitudinal line to A in Fig. 1, as indicated by the line drawn from B to C in said figure. Experimenting, however, has shown that by placing a handle 4 on each side of the housing 1, lateral with the disks 2, a more equalizing pressure, and consequently a perfect contact and alinement, is secured. On the lower edge of the housing 1 I have formed an integral downward-projecting lip 3, which hooks over the guard-rail that stands in front of the wheel and in close proximity therewith. This guard is common to all wheels, as it forms a rest to steady whatever material the workmen have to grind.

Having thus fully described my said invention, what I desire to secure by Letters Patent is—

In a dresser for emery-wheels, in combination with the central housing having a series of disks removably secured therein, handles integrally formed on said housing which extend horizontally from the housing and in a lateral manner with the disks, all substantially as shown and for the purposes set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 16th day of June, A. D. 1900.

ROBERT O. RUPERT. [L. s.]

Witnesses:

F. W. WOERNER,
L. A. McDONALD.