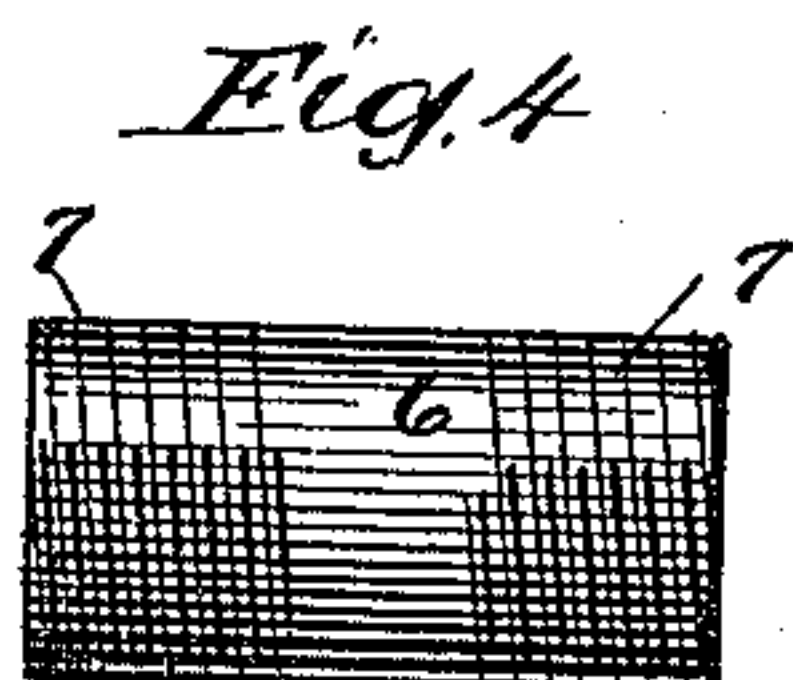
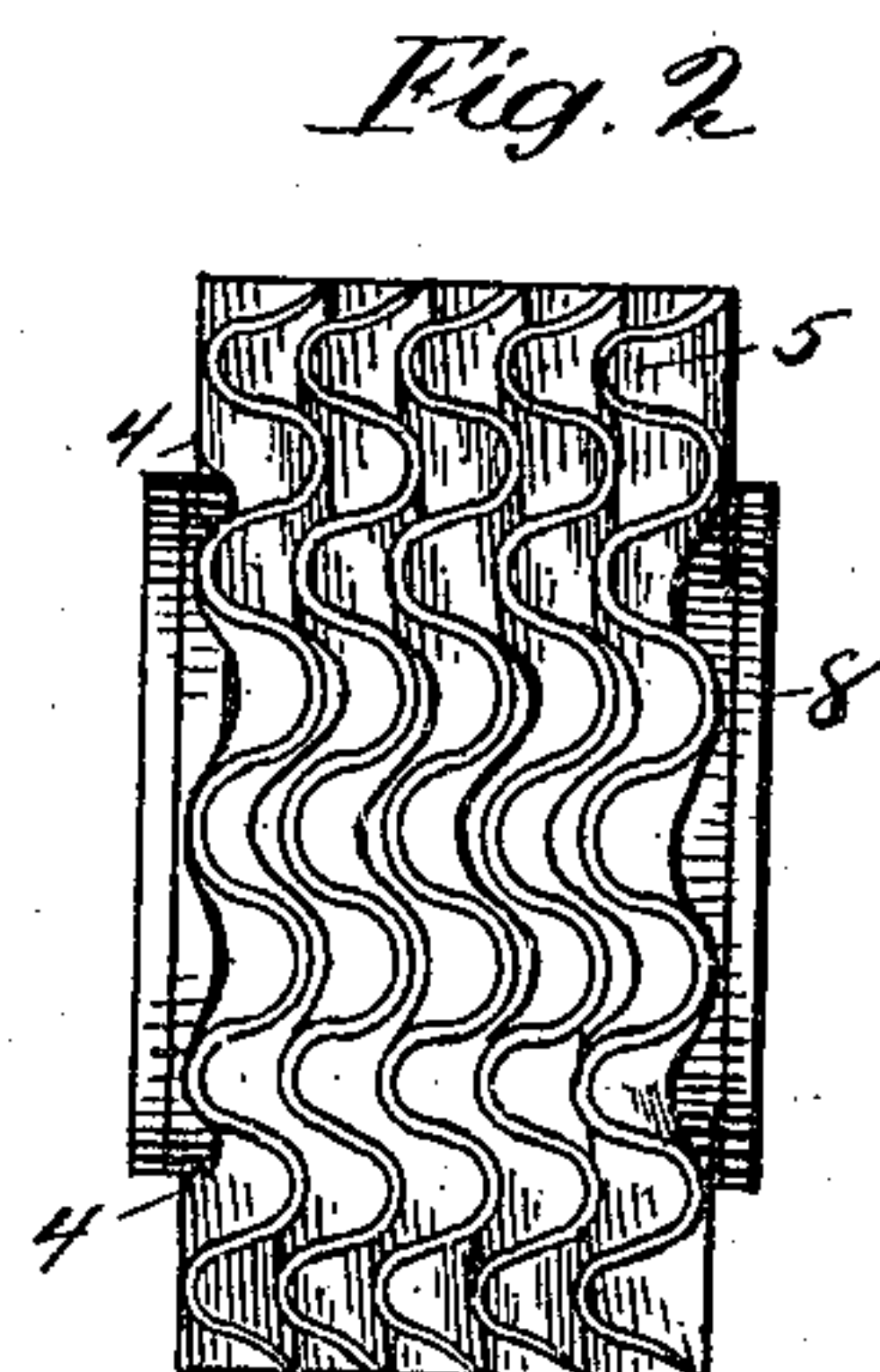
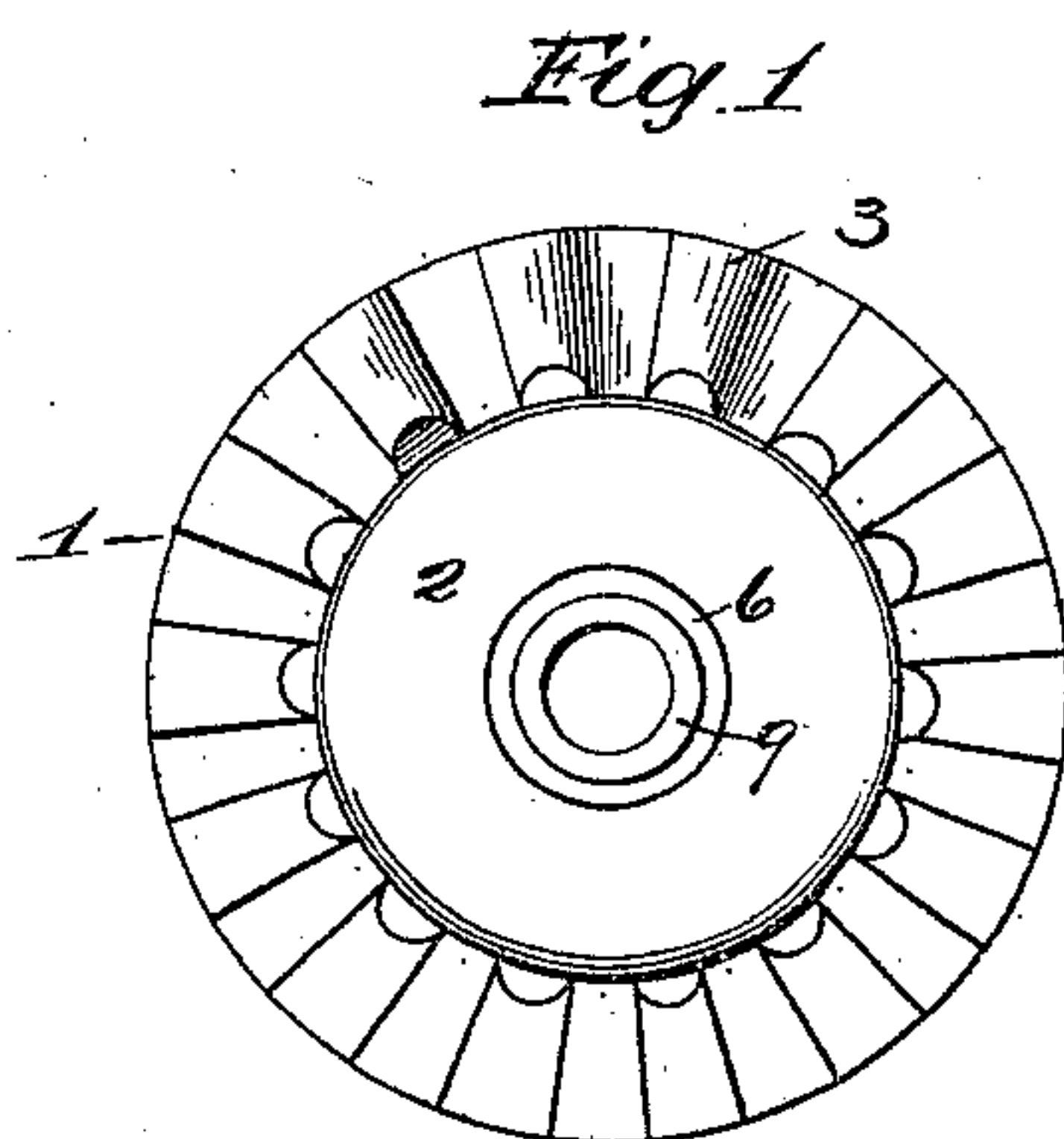
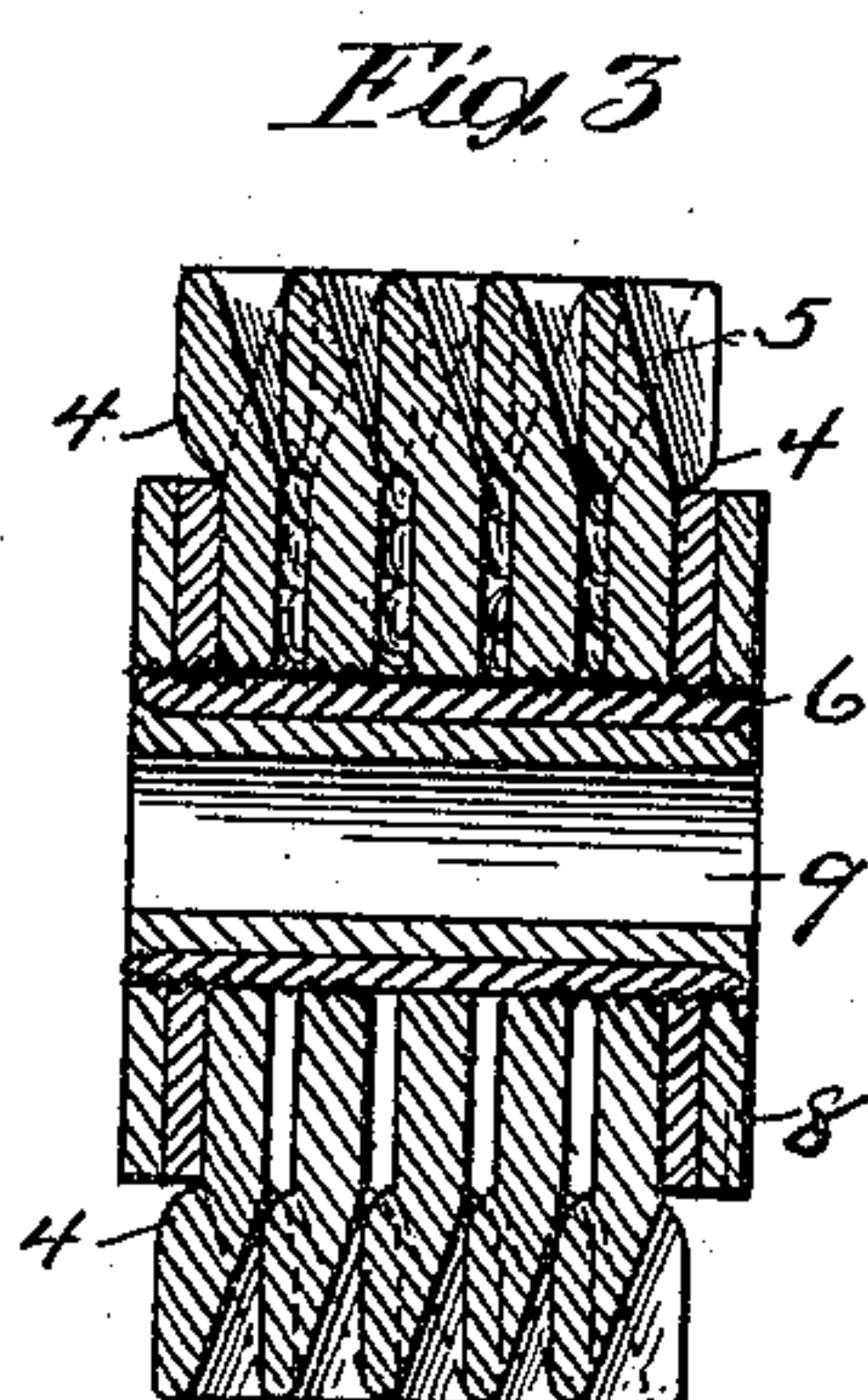


No. 685,709.

Patented Oct. 29, 1901.

E. J. BRISBEN.
EMERY WHEEL DRESSER.
(Application filed Dec. 31, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

EFFIE J. BRISBEN, OF CLEVELAND, OHIO.

EMERY-WHEEL DRESSER.

SPECIFICATION forming part of Letters Patent No. 685,709, dated October 29, 1901.

Application filed December 31, 1900. Serial No. 41,750. (No model.)

To all whom it may concern:

Be it known that I, EFFIE J. BRISBEN, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Emery-Wheel Dressers, of which I hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

My invention relates to improvements in emery-wheel dressers; and the object of the invention is to provide a dresser which will be simple in form and construction, compact
15 in shape, and efficient in operation.

My invention consists in the device hereinafter described, shown in the accompanying drawings, and specifically pointed out in the claims.

20 In the accompanying drawings, Figure 1 is a side elevation, Fig. 2 is a face view, Fig. 3 is a longitudinal section, and Fig. 4 is a side elevation, of the central tube about which the sections of the grinder are secured.

25 In the figures, 11 are the sections, which comprise thin disk-like central portions 2 and crimped or fluted peripheries 3, the crimped portions projecting on either side of the disk-like central portions. A well-defined shoulder
30 4 is produced at the point of juncture of each on one side of the disk, and an oblique line 5 connects the other edge of the disk, with the outer edge of the flute on the other side. The projections and obliquely-recessed lines alter-
35 nate as the flutes come to one side or the other of the disk. These disks are sleeved upon a short metal tube 6, preferably formed of wrought-iron or steel, and the outer extremities of the tube are threaded at 7. Nuts or
40 threaded washers 8 are then tightly screwed upon the extremities of the tubes, two being employed at each end, the outer ones serving as lock-nuts to clamp the parts securely together. Within the tube 6 is forced the brass bush-
45 ing 9, which is sleeved over the axis of the grinder. In finishing the device the outer washers and tube extremities are faced down and the extremities of the tube recessed and the inner bushing B upset to hold it securely
50 in place. It will be observed that the projecting flutes upon one side of one disk engage the recessed sides of the flutes of the

next adjacent disk, in this manner locking all the disks together and bringing the cutting edges nearer together, thus forming a closer
55 cutting-surface than has been heretofore obtained where the disks have had thicker centers and have been loosely mounted upon their axes.

Having described my invention, what I 60 claim as new, and desire to secure by Letters Patent, is—

1. In a composite emery-dresser the combination with a central tube and threaded wash-
65 ers, of a series of disks provided with flutes upon their peripheries, the said flutes projecting upon alternate sides of the disks, and the flutes upon adjacent disks interlocking with each other, substantially as and in the man-
70 ner described.

2. In an emery-dresser, the combination with a central threaded tube and inner bush-
ing therefor, of sectional grinders comprising disks, sleeved over the tube, and fluted upon
75 their peripheries, the said flutes projecting alternately beyond the sides of the disk, and having their recessed faces obliquely ar-
ranged to the edge of the disk, whereby each flute interlocks with the corresponding flute
80 of the next adjacent disk when they are pressed together, and locking-washers, upon the threaded tube on either extremity, sub-
stantially as described.

3. In an emery-grinder, sections, comprising disks, provided with smooth centers cen-
85 trally perforated and exterior-crimped portions, the crimped portions projecting on either side of the central smooth portions and ending in well-defined shoulders, the said
90 shoulders alternating with obliquely-sloping recesses, in combination with means for holding the sections into engagement with one another, whereby the projection on one disk enters the recess in the other disk and the
95 crimped portions of one disk overlap those of the adjacent disks, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EFFIE J. BRISBEN.

Witnesses:

WM. M. MONROE,
GEO. O. WILLET.