

(No Model.)

H. BINTZ.
POLISHING WHEEL.

No. 299,948.

Patented June 10, 1884.

Fig: 1.

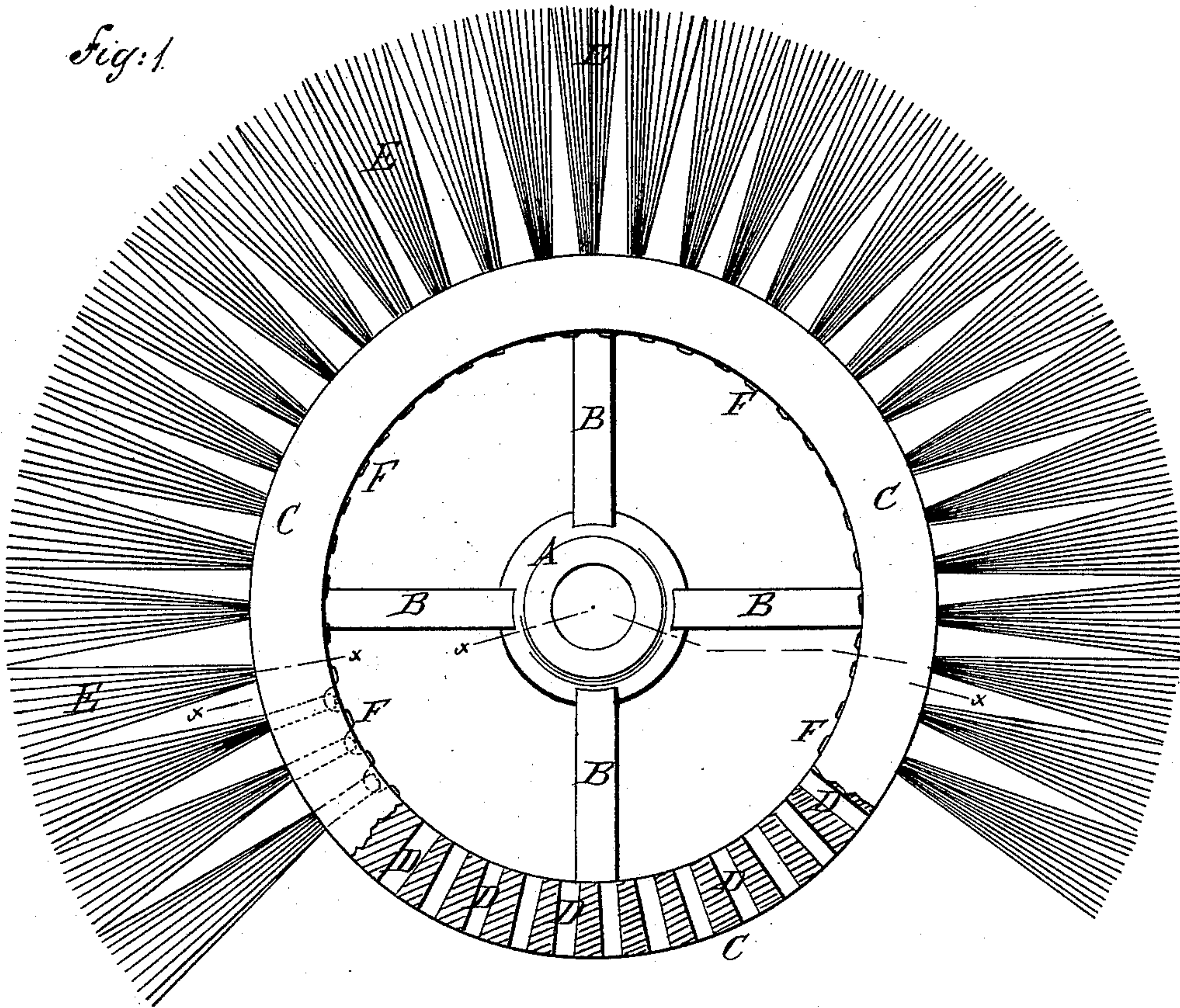
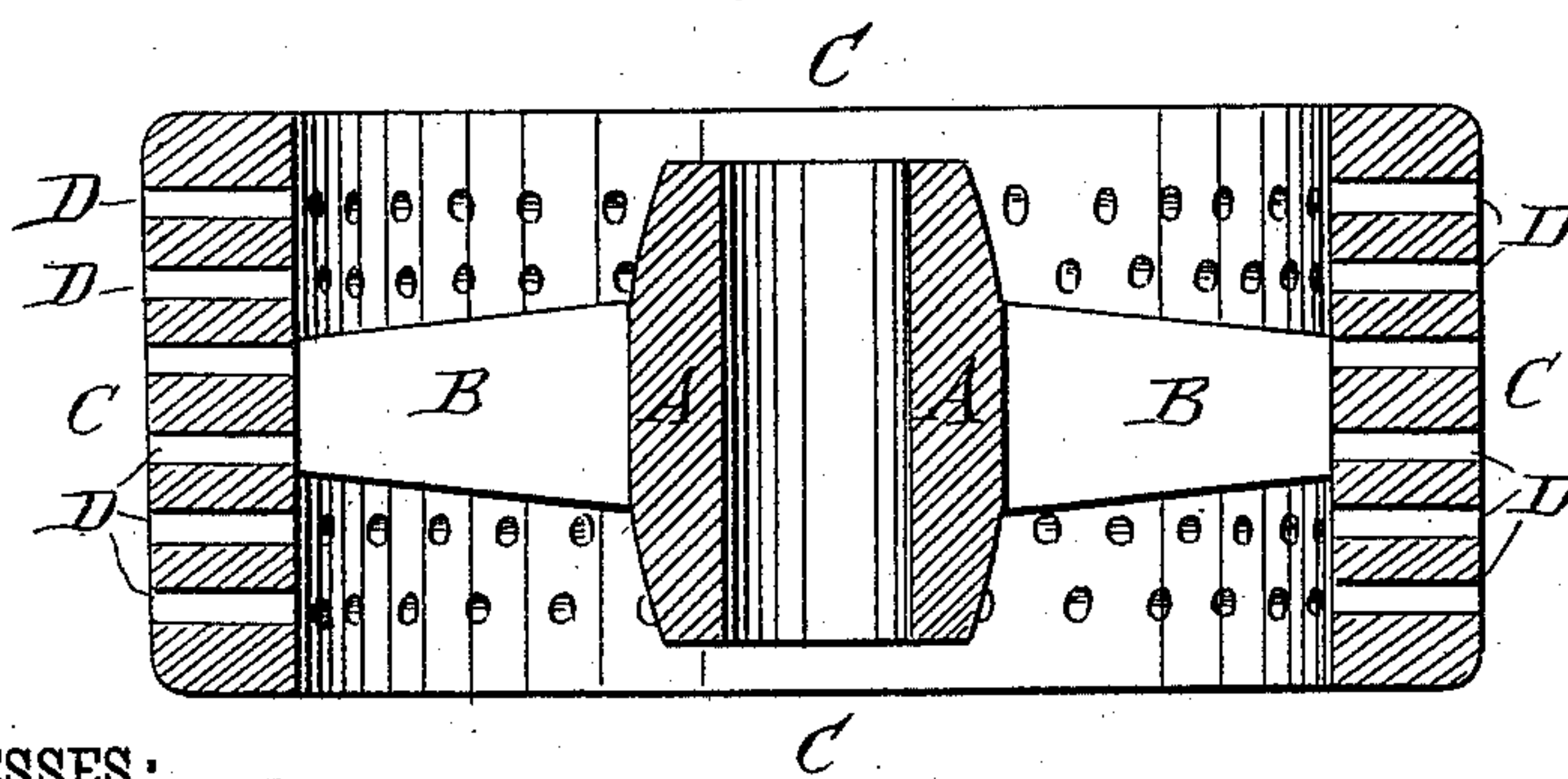


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY BINTZ, OF NEW YORK, N. Y.

POLISHING-WHEEL.

SPECIFICATION forming part of Letters Patent No. 299,948, dated June 10, 1884.

Application filed October 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY BINTZ, of the city, county, and State of New York, have invented a new and useful Improvement in Polishing-Wheels, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a side elevation, partly in section, of one of my improved wheels. Fig. 2 is a sectional elevation of the wheel-block, taken through the line *x x x x*, Fig. 1.

The object of this invention is to facilitate the manufacture and repairing of polishing-wheels.

The invention consists in a polishing-wheel made with a block cast with hub, spokes, and rim in one piece, and with holes cast in its rim and provided with wire-drawn knots, as will be hereinafter fully described.

A represents the hub, B the spokes, and C the rim, of a polishing-wheel block. The wheel-block A B C is cast in one piece and has holes D cast in its rim, to receive the knots of bristles E, which are drawn into the said holes with wire F in the ordinary manner of drawing brushes.

With this construction the polishing-wheels can be more cheaply and easily made than when made with a solid wheel-block in the ordinary manner, and will be much more durable than ordinary polishing-wheels, as it is less liable to break in pieces when in use. With this construction also when the bristles E are worn the wire F can be cut and the knots drawn out and new bristles drawn in, so that the brushes can be renewed at small expense, as it will not be necessary to buy an entire new wheel every time the bristles wear out.

I have described the knots as being formed of bristles, but do not limit myself to that material, as grass can be used, or any other of the materials used for the knots of polishing-wheels.

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

A polishing-wheel formed of the hub A, spokes B, rim C, having radial holes D, and bristle bunches or “knots” E, arranged continuously about said rim, all of said parts being cast in one piece, as and for the purpose specified.

HENRY BINTZ.

Witnesses:

JAMES T. GRAHAM,
EDGAR TATE.