

J. H. Reilly,

Matting Mfrs.

No. 111,086.

Patented Jan. 17, 1871.

Fig. 1

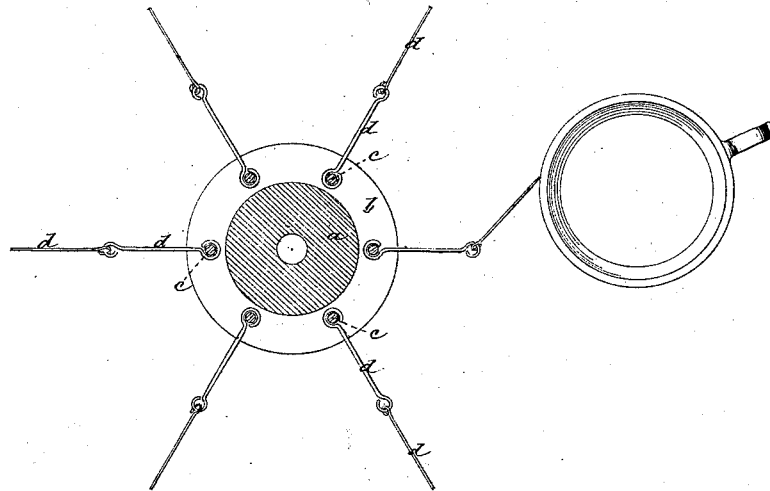
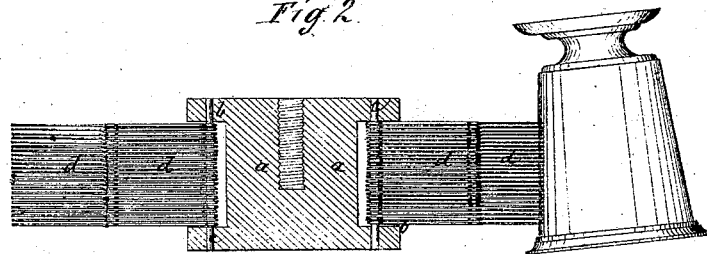


Fig. 2



Witnesses:

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Inventor:

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PER

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United States Patent Office.

JAMES H. REILLY, OF BROOKLYN, NEW YORK, ASSIGNOR TO HENRY G. REED, OF TAUNTON, MASSACHUSETTS.

Letters Patent No. 111,086, dated January 17, 1871.

IMPROVEMENT IN MATTING APPARATUS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES H. REILLY, of Brooklyn, in the county of Kings and State of New York, have invented a new and improved Matting-Machine; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a sectional elevation, and

Figure 2, a horizontal section.

This invention has for its object to produce in metal ware of any sort an ornamental indented or "matted" surface; and this object is accomplished by the use of jointed needles, formed of any suitable metal, and articulated at one end to the periphery of a chuck, which is made to receive so rapid a revolution as to cause the needles to stand out radially from the chuck, so that, when the article of ware is held by hand near enough to the revolving needles to receive blows from their points, its surface is thereby suitably matted.

Referring to the drawing—

a is a chuck, which is intended to be screwed upon the spindle of a lathe so as to receive rotation therefrom in the same manner as a common buff.

b is a circumferential groove in the chuck.

c are bars, placed crosswise of the groove, lengthwise of and parallel with the periphery of the chuck.

d are needles articulated in rows upon the bars *c*,

and all of equal or nearly equal length, said needles being constructed in two or more parts, which are jointed together, each needle being, in this instance, constructed in two parts, whereof the inner or those next the chuck are iron, and the outer parts of brass.

The needles may be made of more parts than two, and the material may be all iron or all brass, or any other material that will answer the purpose.

When the chuck is made to revolve with sufficient rapidity, the jointed needles stand out straight. If, then, the goblet or other article to be matted be held in such position that the points of the flying-needles will strike it, each needle produces an indentation in its surface, and the joints of the needles enable them to bend sufficiently to pass the goblet after having struck it. A sufficient number of needles being employed, the whole surface of the goblet is, in this manner, covered with minute indentations, which give it the requisite appearance.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of jointed needles with a chuck, drum, or its equivalent, in the manner and for the purpose specified.

JAMES H. REILLY.

Witnesses:

THEODORE EVANS,
CALVIN P. HARRIS.