

(No Model.)

S. C. DYKE.

APPARATUS FOR ROUNDING PLASTIC CLAY SLUGS.

No. 432,127.

Patented July 15, 1890.

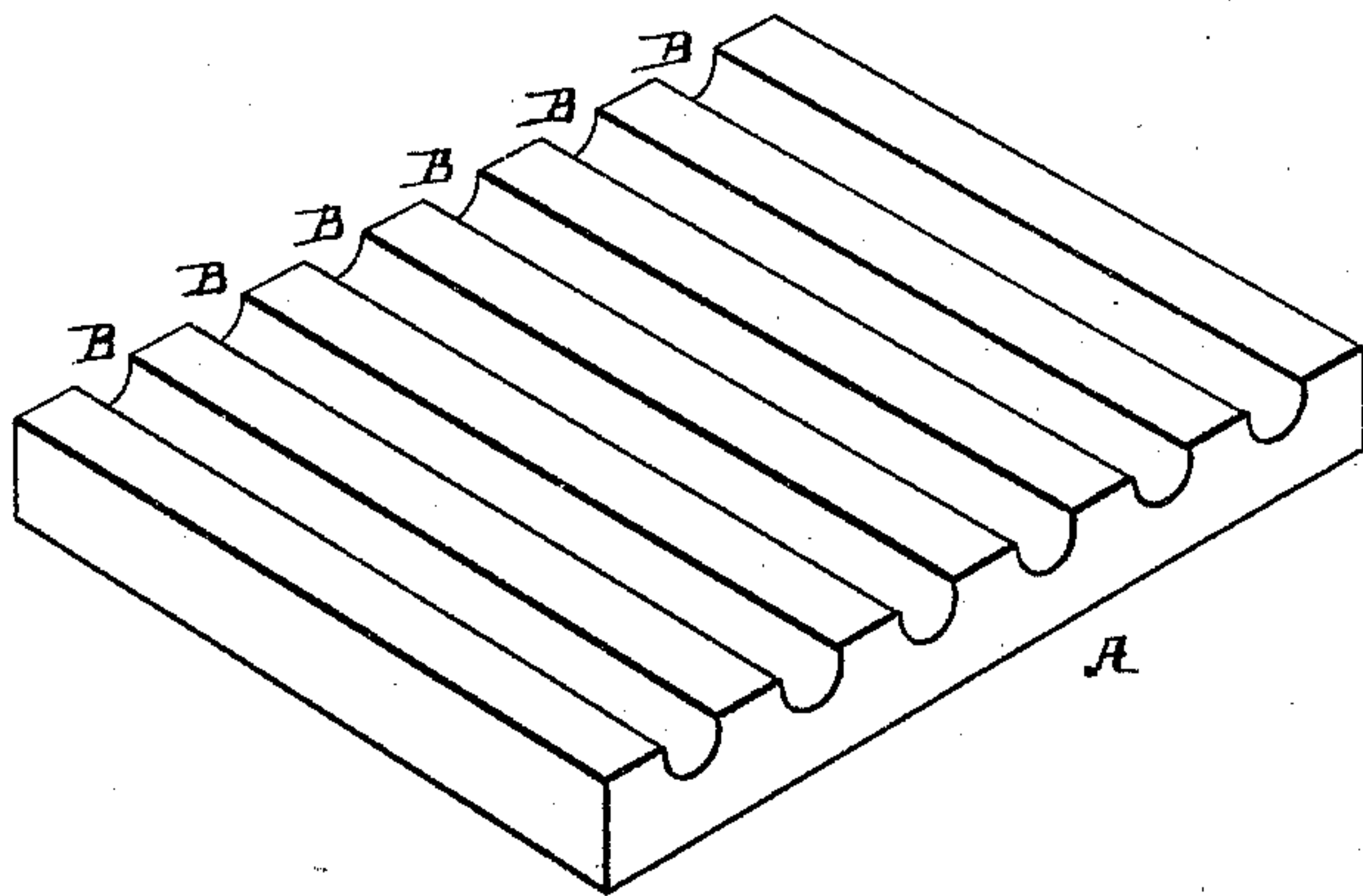


Fig. 1.

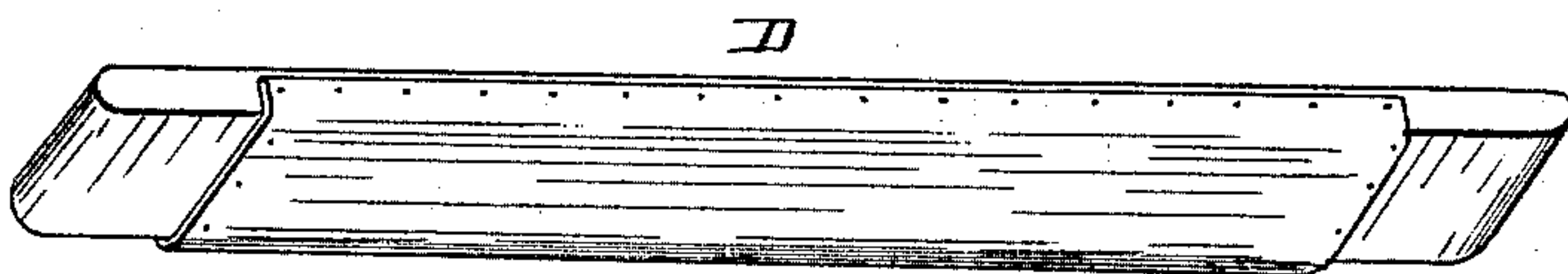


Fig. 2.

Witnesses.

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UNITED STATES PATENT OFFICE.

SAMUEL C. DYKE, OF AKRON, OHIO.

APPARATUS FOR ROUNDING PLASTIC-CLAY SLUGS.

SPECIFICATION forming part of Letters Patent No. 432,127, dated July 15, 1890.

Application filed February 6, 1890. Serial No. 339,389. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL C. DYKE, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Apparatus for Rounding Plastic-Clay Slugs, of which the following is a specification.

My invention has relation to improvements in devices for performing one step in the process of manufacturing playing-marbles from plastic clay. In this process the ground and tempered clay is formed into long round strips or rolls, which are afterward cut into slugs or billets of a determined length, that are then rendered spherical.

The object of my invention is to provide devices for accurately rounding or rendering these slugs or billets spherical.

To this end it consists of the peculiar and novel devices hereinafter described, and then specifically pointed out in the claim, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of the table, and Fig. 2 the same of the strip.

In the accompanying drawings, A is a slab or table of any desired material, but preferably of plaster-of-paris, having in and extending across one face a series of straight parallel grooves B B slightly exceeding a semicircle in cross-section.

D is a strip of material, as wood, padded on

one side with elastic material, as hair or wool, and covered with flexible fabric. This strip should slightly exceed in length the width of the table A, transverse to the grooves B B, and should be rounded at each end to afford a convenient grasp for the hands.

In operation a single slug or billet of plastic clay is placed in each of the grooves B B. The operator then grasps the ends of the strip D with both hands, turns the padded face upon the slugs in the grooves B B, and rolls them backward and forward along the grooves, at the same time moving the strip with a slight reciprocating longitudinal movement. By this operation the slugs or billets are rounded in the grooves and partially revolved transverse to the length of the grooves. This operation is repeated until the billets or slugs are made spherical.

I claim as my invention—

An apparatus for rendering slugs or billets of clay cylindrical, consisting of a slab or table having in one face a series of parallel grooves slightly exceeding a semicircle in cross-section, in combination with a padded strip provided at each end with grips for the hand, substantially as shown and described.

In testimony that I claim the above I hereunto set my hand.

SAMUEL C. DYKE.

In presence of—

C. P. HUMPHREY,
C. E. HUMPHREY.

It is hereby certified that in Letters Patent No. 432,127, granted July 15, 1890, upon the application of Samuel C. Dyke, of Akron, Ohio, for an improvement in "Apparatus for Rounding Plastic Clay Slugs," an error appears in the printed specification requiring correction, as follows: In line 56 the word "cylindrical" should read *spherical*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 2d day of September, A. D. 1890.

[SEAL.]

GEO. CHANDLER,
First Assistant Secretary of the Interior.

Countersigned:

ROBERT J. FISHER,
Acting Commissioner of Patents.