No. 729,431. PATENTED MAY 26, 1903.

J. SHERRY.

TILE FORMING APPARATUS.

APPLICATION FILED JULY 24, 1901.

NO MODEL.

Fig. 1.

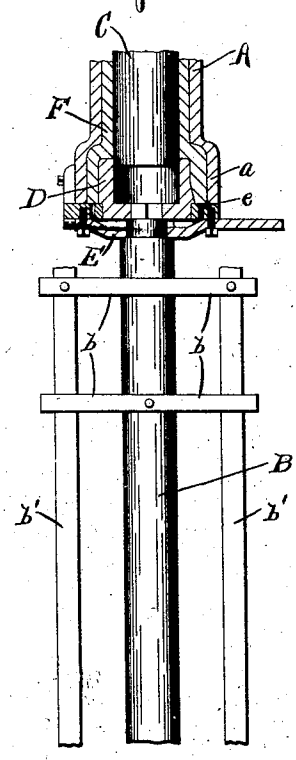


Fig. 2.

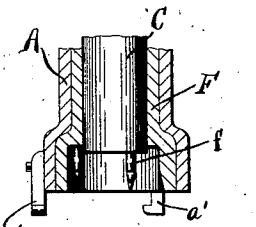


Fig. 3.

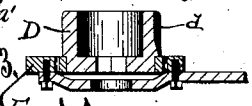


Fig. 4.



Fig. 6.



Fig. 5.

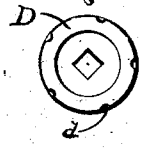
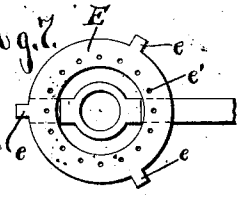


Fig. 7.



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No. 729,431. Patented May 26, 1903

UNITED STATES PATENT OFFICE.

JOHN SHERRY, OF ROCHESTER, NEW YORK.

TILE-FORMING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 729,431, dated May 26, 1903.

Application filed July 24, 1901. Serial No. 69,530. (No model.)

To all whom it may concern:

Be it known that I, JOHN SHERRY, of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Tile-Forming Apparatus, of which the following is a specification.

My invention has for its object the production of a particularly simple and practical tile-forming apparatus; and it consists in the combination, construction, and arrangement of the component parts of a tile-forming apparatus, as hereinafter fully described, and pointed out in the claims.

d and a reduced end *d'*. Said recesses generally extend lengthwise of the core D and gradually taper or decrease in depth and width toward their extremities adjacent to the reduced end *d'* and are utilized to form inwardly-extending projections *f* on the inner faces of the enlargements of the tile F, produced by my apparatus, which projections decrease in thickness and width toward the end edges of the enlargements of the tile. The head E is here illustrated as provided with means *e*, movable into and out of engagement with the means *d'* on

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

1. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a core within the main portion of the cylinder, a second core within the enlargement, and means movable relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose described.

2. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a core within the main portion of the cylinder, a second core within the enlargement, means for preventing revolution of the second core within the enlargement, and means movable on an axis relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose described.

3. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a non-revoluble plunger movable endwise toward and away from the cylinder, a core within the main portion of the cylinder, a second core within the enlargement, said second core being movable endwise with the plunger from within the enlargement and being non-revoluble when within the enlargement, and a head movable on an axis relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose specified.

4. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a non-revoluble plunger movable endwise toward and away from the cylinder, a core within the main portion of the cylinder, a second core within the enlargement, said second core being fixed to the plunger, and a head journaled on the plunger and movable relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose specified.

5. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a non-revoluble plunger movable endwise toward and away from the cylinder, a core within the main portion of the cylinder, a second core within the enlargement, said second core being fixed to the plunger, and a head having its lower portion journaled on the plunger and its upper portion journaled on the second core, said head being movable relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose set forth.

6. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a core within the main portion of the cylinder, a second core within the enlargement having its periphery provided with recesses for forming projections on the inner face of the enlargement of the tile, and means movable relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose described.

7. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a core within the main portion of the cylinder, a second core within the enlargement having its periphery provided with recesses for forming projections on the inner face of the enlargement of the tile, means for preventing revolution of the second core within the enlargement, and means movable on an axis relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose described.

8. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement, a non-revoluble plunger movable endwise toward and away from the cylinder, a core within the main portion of the cylinder, a second core within the enlargement having its periphery provided with recesses for forming projections on the inner face of the enlargement of the tile, said second core being movable endwise with the plunger from within the enlargement and being non-revoluble when within the enlargement, and a head movable on an axis relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose specified.

9. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement and with engaging means, a core within the main portion of the cylinder, a second core within the enlargement, and a head provided with means movable into and out of engagement with said engaging means, said head being movable relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose set forth.

10. A tile-forming apparatus comprising a cylinder having one end formed with an annular enlargement and with engaging means, a non-revoluble plunger movable endwise toward and away from the cylinder, a core within the main portion of the cylinder, a second core within the enlargement, said second core being fixed to the plunger, and a head provided with means movable into and out of engagement with said engaging means and formed with openings alined with the space between the contiguous surfaces of the annular enlargement and the second core, said head being movable relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose specified.

11. A tile-forming apparatus comprising a

cylinder having one end formed with an annular enlargement and with engaging means, a non-revoluble plunger movable endwise toward and away from the cylinder, a core within the main portion of the cylinder, a second core within the enlargement having its periphery provided with recesses for forming projections on the inner face of the enlargement of the tile, said second core being fixed to the plunger, and a head provided with means movable into and out of engagement with said engaging means and formed with openings alined with the space between the contiguous surfaces of the annular enlargement and the second core, said head being movable relatively to the second core for cutting off projections extending from the contiguous end of the tile, substantially as and for the purpose set forth.

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 18th day of July, 1901.

JOHN SHERRY.

Witnesses:
D. LAVINE,
S. DAVIS.