

J.J. Alvord,
Making Tile Molds.
No 39,621, Patented Aug. 25, 1863.

Fig. 1.

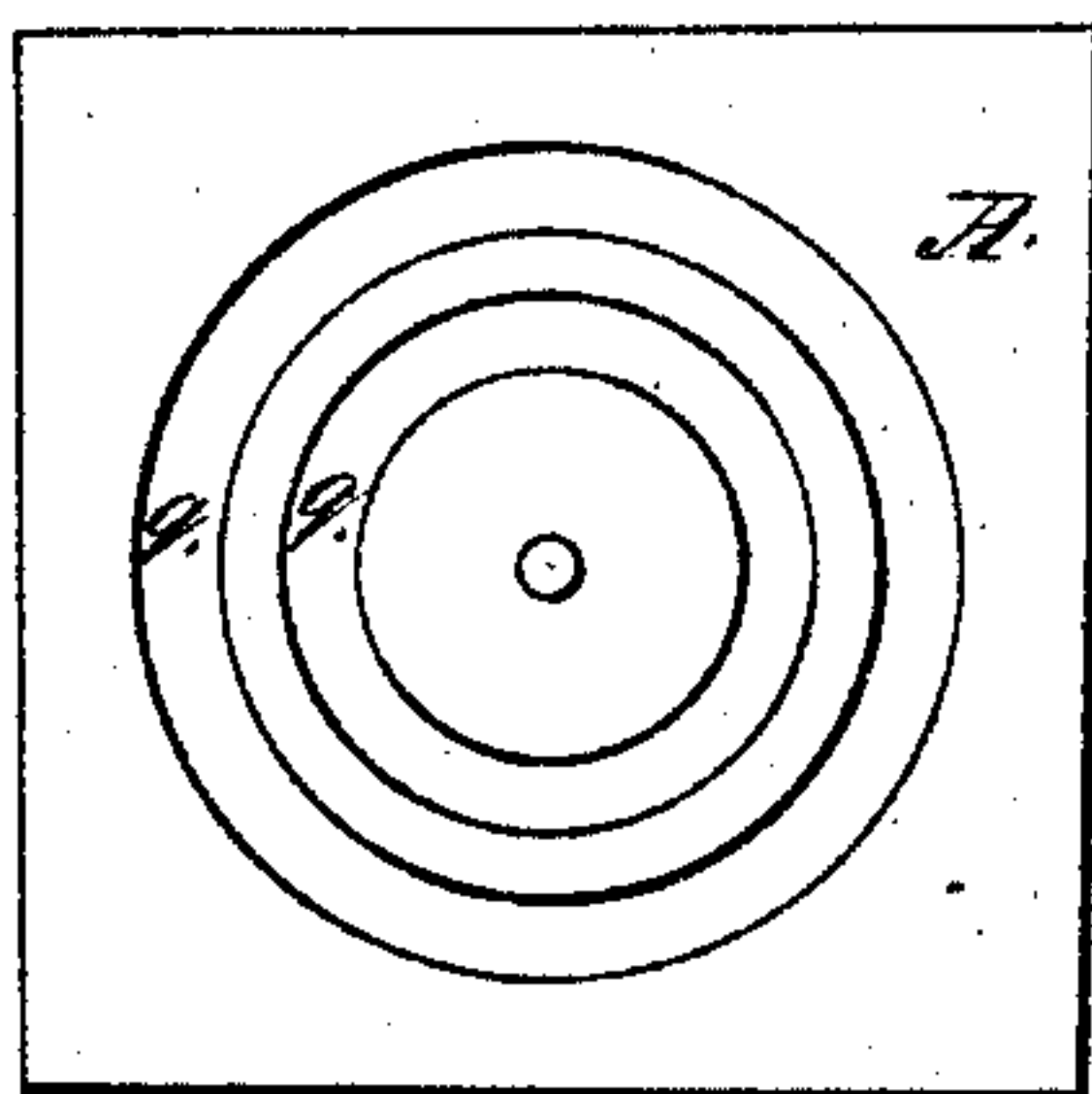


Fig. 2.

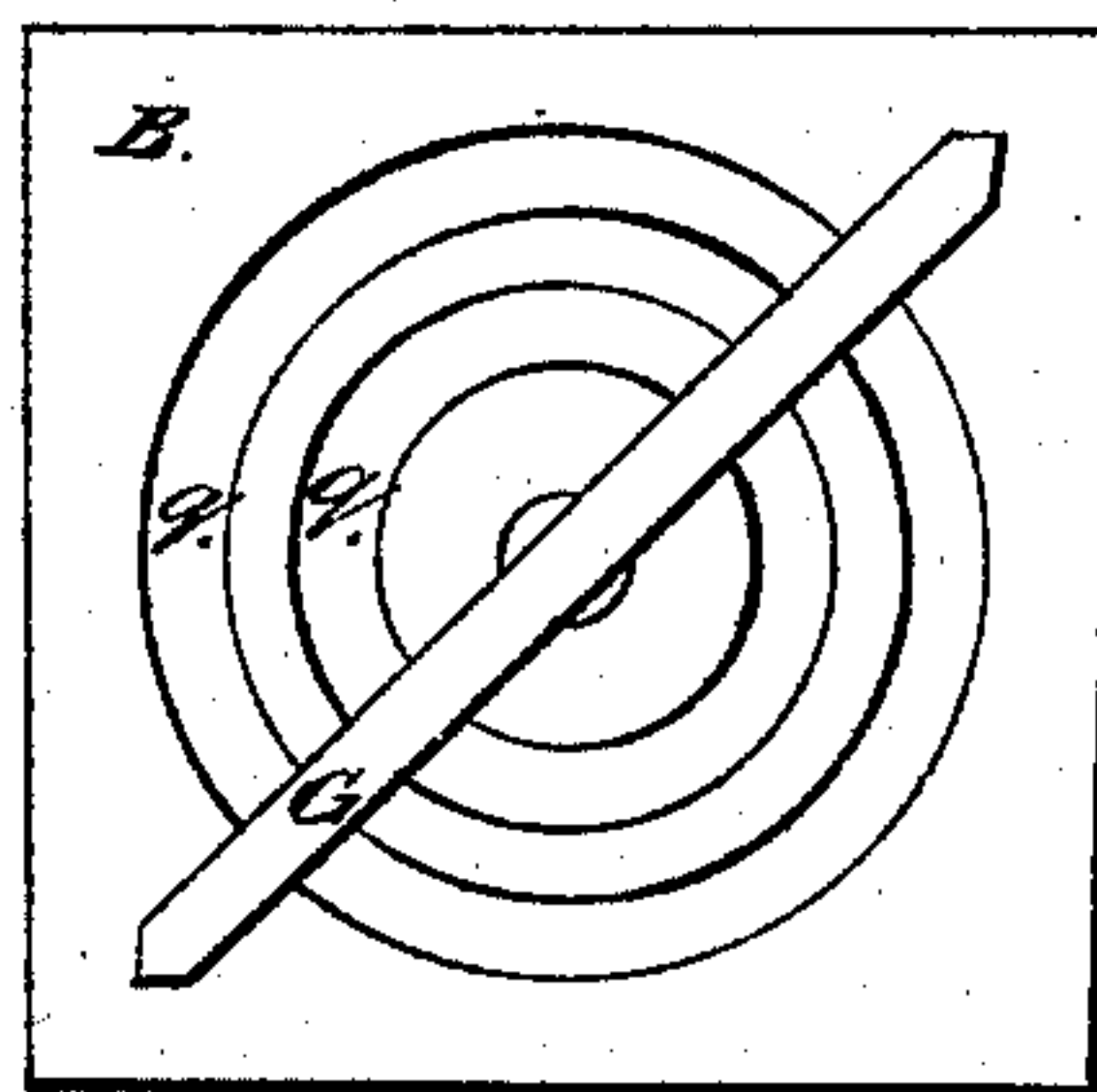


Fig. 4.

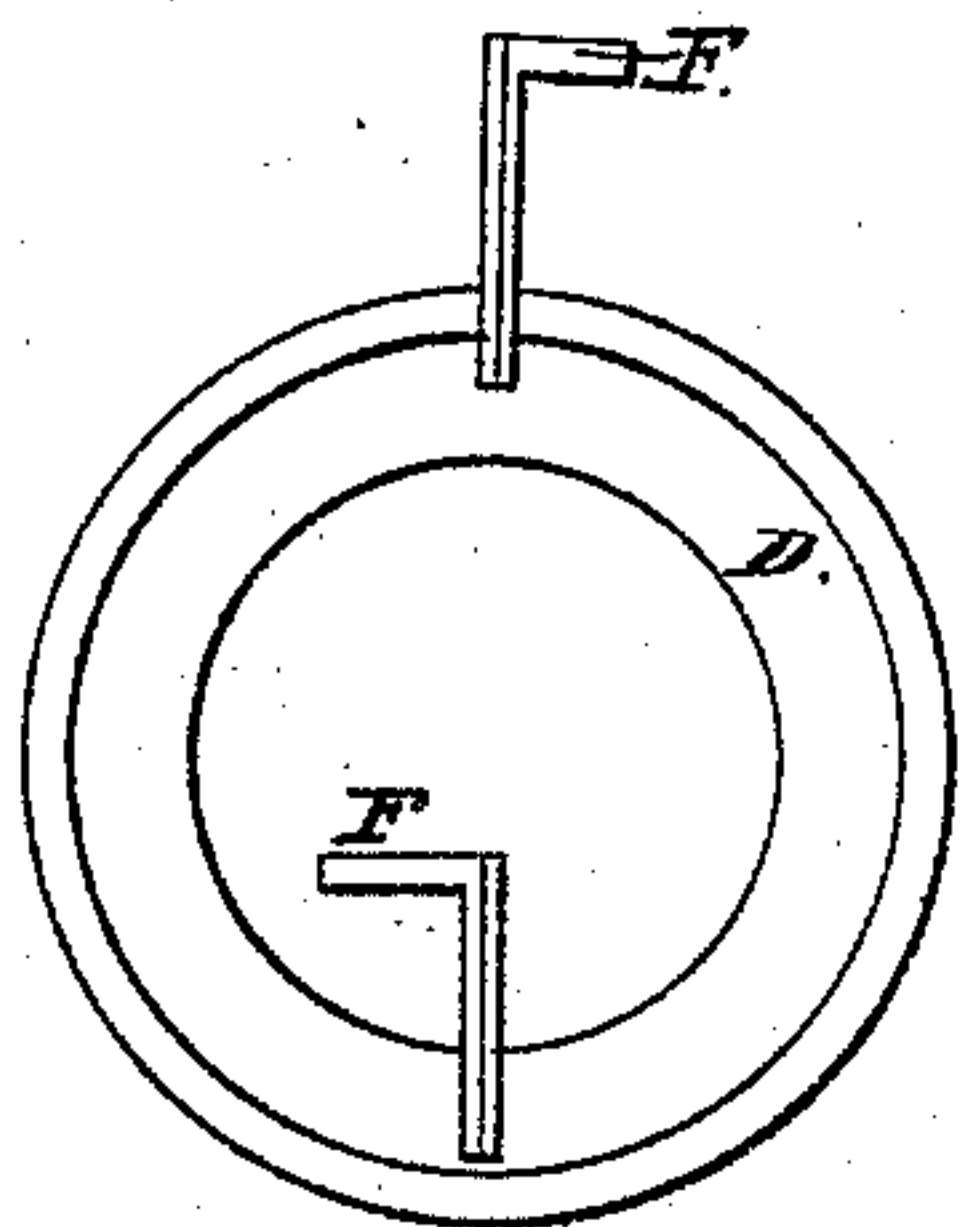


Fig. 3.

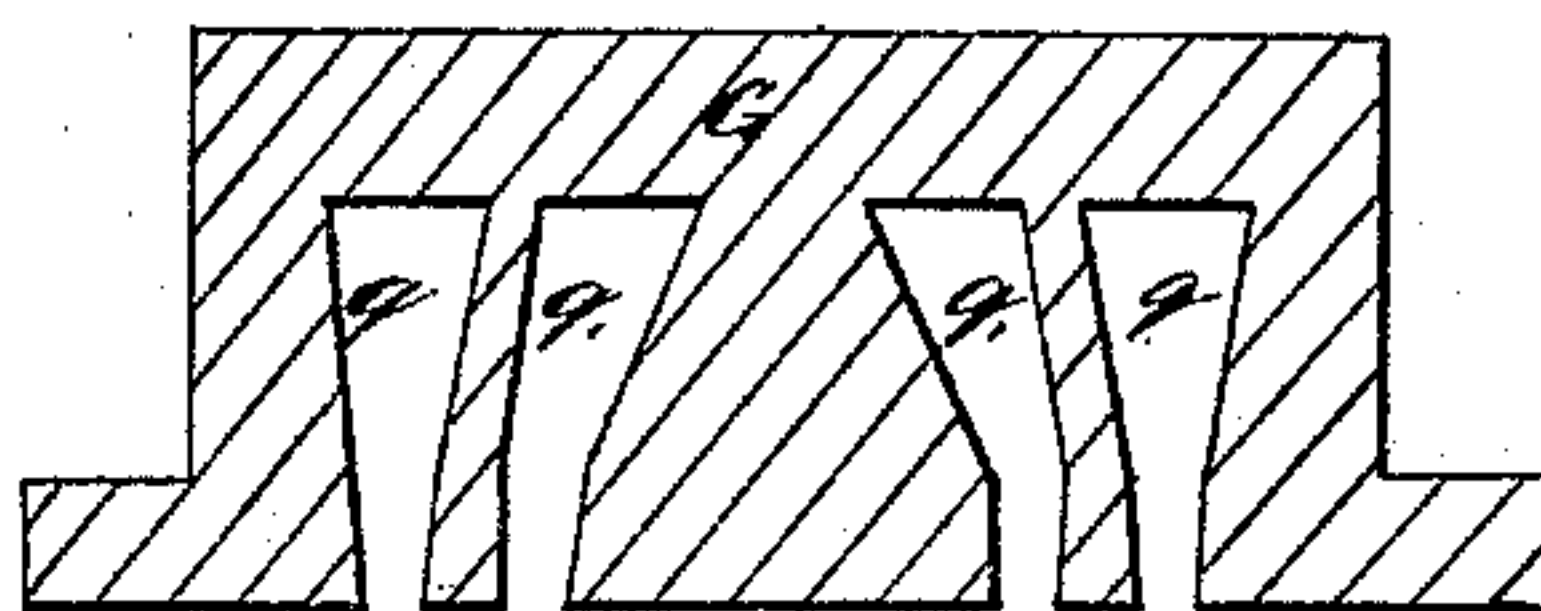


Fig. 5.

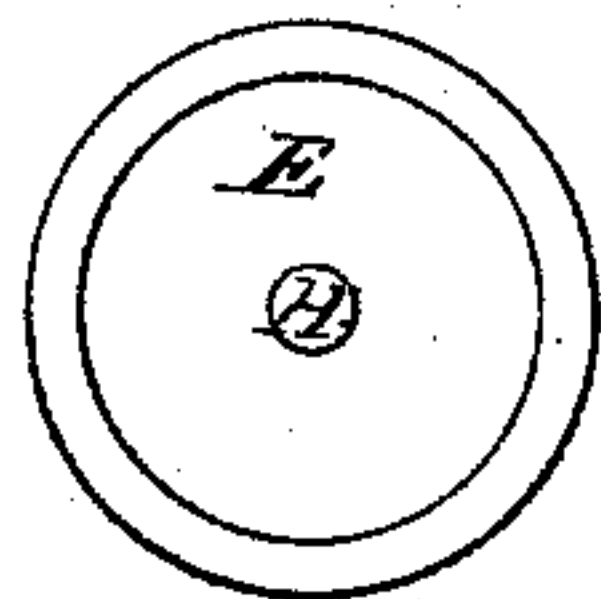


Fig. 6.



Witnesses:
A. Hood
E. B. Wood

Inventor:
John J. Alvord

UNITED STATES PATENT OFFICE.

JOHN J. ALVORD, OF TECUMSEH, MICHIGAN.

IMPROVED DRAIN-TILE MOLD.

Specification forming part of Letters Patent No. **39,621**, dated August 25, 1863.

To all whom it may concern :

Be it known that I, JOHN J. ALVORD, of the town of Tecumseh, in the county of Lenawee and State of Michigan, have invented a new and useful Improvement in a Machine for Manufacturing Sewer and Drain Tile; and I do declare hereby that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of the specification, and to the letters of reference marked thereon.

The nature of my invention consists in the peculiar arrangement of certain parts of mechanism whereby a machine is produced for making sewer and drain tile of any desired form from clay, reference being had to the accompanying drawings, and letters of reference marked thereon, of which—

No. 1 is front view. No. 2 is back view. No. 3 is the edge view, showing the divisions between the different sizes of tile. Fig. 9 shows the tile. Nos. 4 and 5 show the stops. No. 4 shows the hook on the stop.

F F is the hook. H H is the bolt for bolting on the stop E E, No. 5. G G is the cross-bar on Nos. 2 and 3. No. 6 is the bolt.

After having thus described my machine, what I claim, and desire to secure by Letters Patent, is—

The sewer and tile head, for the purposes set forth and described.

JOHN J. ALVORD.

Witnesses:

S. T. UNDERHILL,
A. HOOD.