

T. D. COTTMAN.

TREE-GUARD.

No. 173,446.

Patented Feb. 15, 1876.

Fig. 1.

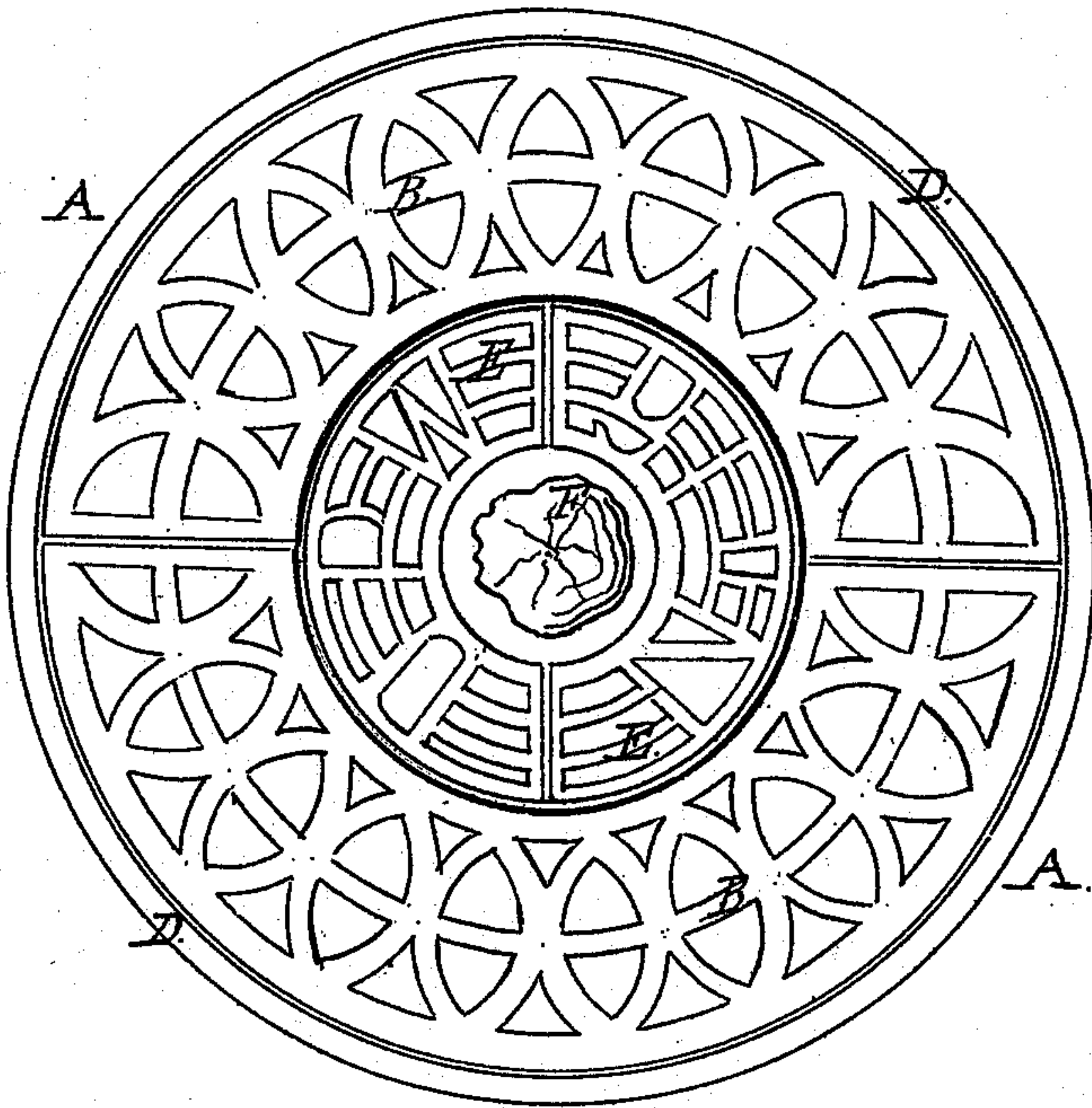
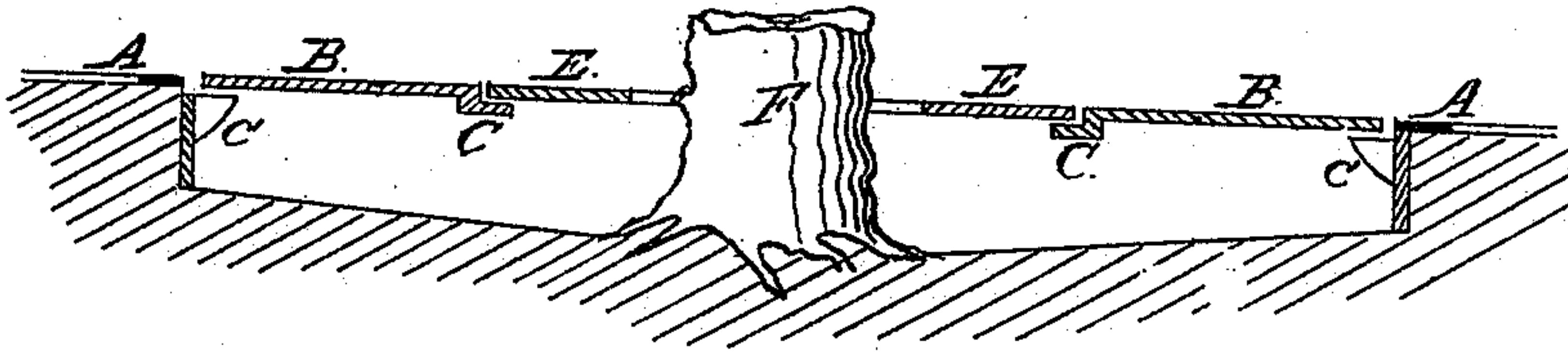


Fig. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

THOMAS D. COTTMAN, OF NEW YORK, N. Y.

## IMPROVEMENT IN TREE-GUARDS.

Specification forming part of Letters Patent No. **173,446**, dated February 15, 1876; application filed December 11, 1874.

*To all whom it may concern:*

Be it known that I, THOMAS D. COTTMAN, of the city of New York and State of New York, in the United States of America, have invented a certain Tree-Guard, of which the following is a specification:

The object of my invention is to protect from injury and preserve the health of the roots of trees growing in a highway or elsewhere by keeping the asphalt or pavement at a distance of three feet, more or less, from the trunks, and permitting the access of light, air, and moisture thereto, and the escape of gases from the surrounding earth by keeping such earth loose, and preventing packing, which renders it impervious to moisture and escaping gases, and to obviate the spreading of the soil left otherwise exposed over the roadway. At a distance of three feet or thereabout from the center of the trunk of the tree is securely bedded the curb D, cast or wrought, in sections, with a flange or lugs to support the two semi-circular gratings or reticulated covers, B B.

At several points on the inner side of these gratings are cast or set the lugs C C, by means of which the exterior gratings are bound together, and which support the interior gratings E E. These gratings or reticulated covers, as well as the curb, may be made of form and style adapted to circumstances. The lugs may be cast with a supporting-foot. As the tree grows the gratings E E may be changed for larger ones, or may be taken out altogether. A A is the asphalt or pavement. F is the tree.

I claim as my invention—

The reticulated sectional covers B and E set flush with the pavement, in combination with the curb or wall D, for protecting the roots of trees and keeping the earth loose, as specified.

THOS. D. COTTMAN.

Witnesses:

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