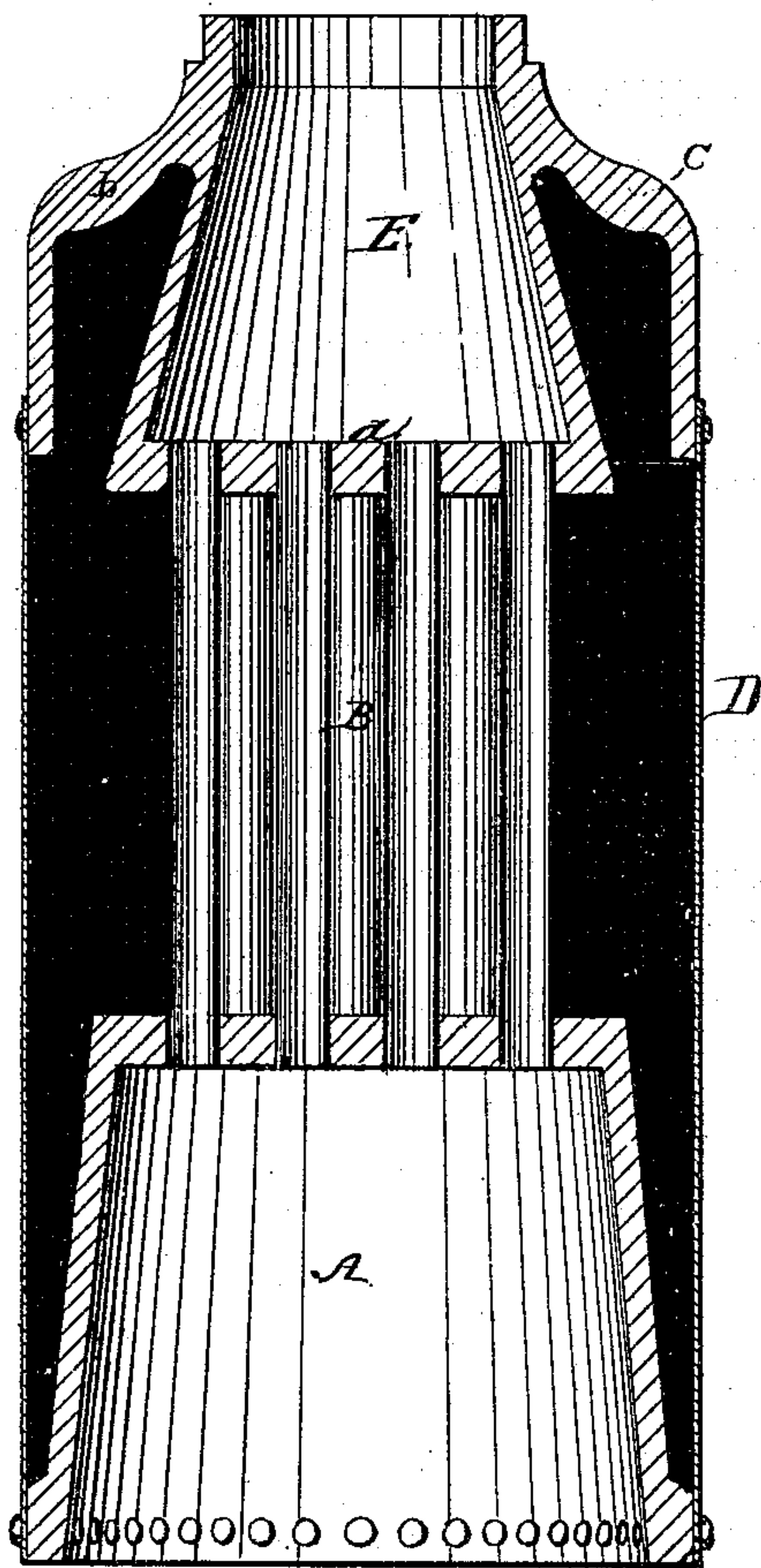


R. M. BECK.  
STEAM BOILER.

No. 181,900.

Patented Sept. 5, 1876.



WITNESSES:

*J. K. Kemon*  
*Chas. A. Pettit*

INVENTOR:

*Robt. M. Beck*  
BY *Henry T. C.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ROBERT M. BECK, OF WESTMINSTER, MARYLAND, ASSIGNOR TO THE TAYLOR MANUFACTURING COMPANY, OF SAME PLACE.

## IMPROVEMENT IN STEAM-BOILERS.

Specification forming part of Letters Patent No. **181,900**, dated September 5, 1876; application filed June 23, 1876.

*To all whom it may concern :*

Be it known that I, ROBERT M. BECK, of Westminster, in the county of Carroll and State of Maryland, have invented a new and Improved Steam-Boiler; and I do hereby declare that the following is a full, clear, and exact description of the same.

The invention is an improvement in the class of vertical tubular boilers, and relates to the construction of the upper portion of the same, as hereinafter described.

The accompanying drawing represents a vertical section of my improved boiler.

A indicates the fire-box; B, the flues, and D the cylindrical casing of the boiler. The sides of the dome C are vertical; the top *b* of the same inclined or tapered, while the smoke-box E has a truncated form.

The dome C, smoke-box E, and flue-head *a*

are cast in one piece, in place of being formed of separate wrought-iron plates, riveted together. By this construction, the said parts C E *a* may be cheaply produced, of any thickness required to withstand any desired pressure of steam. Another, and perhaps the chief, advantage is that all forms of joints or seams being dispensed with, the liability of leakage which attends their use, and is so fruitful a source of annoyance, danger, and expense, is entirely avoided.

What I claim is—

The dome C, smoke-box E, and flue-head *a*, formed in one piece or casting, and having the configuration shown and described.

ROBT. M. BECK.

Witnesses:

G. A. TAYLOR,  
S. C. KEMON.