

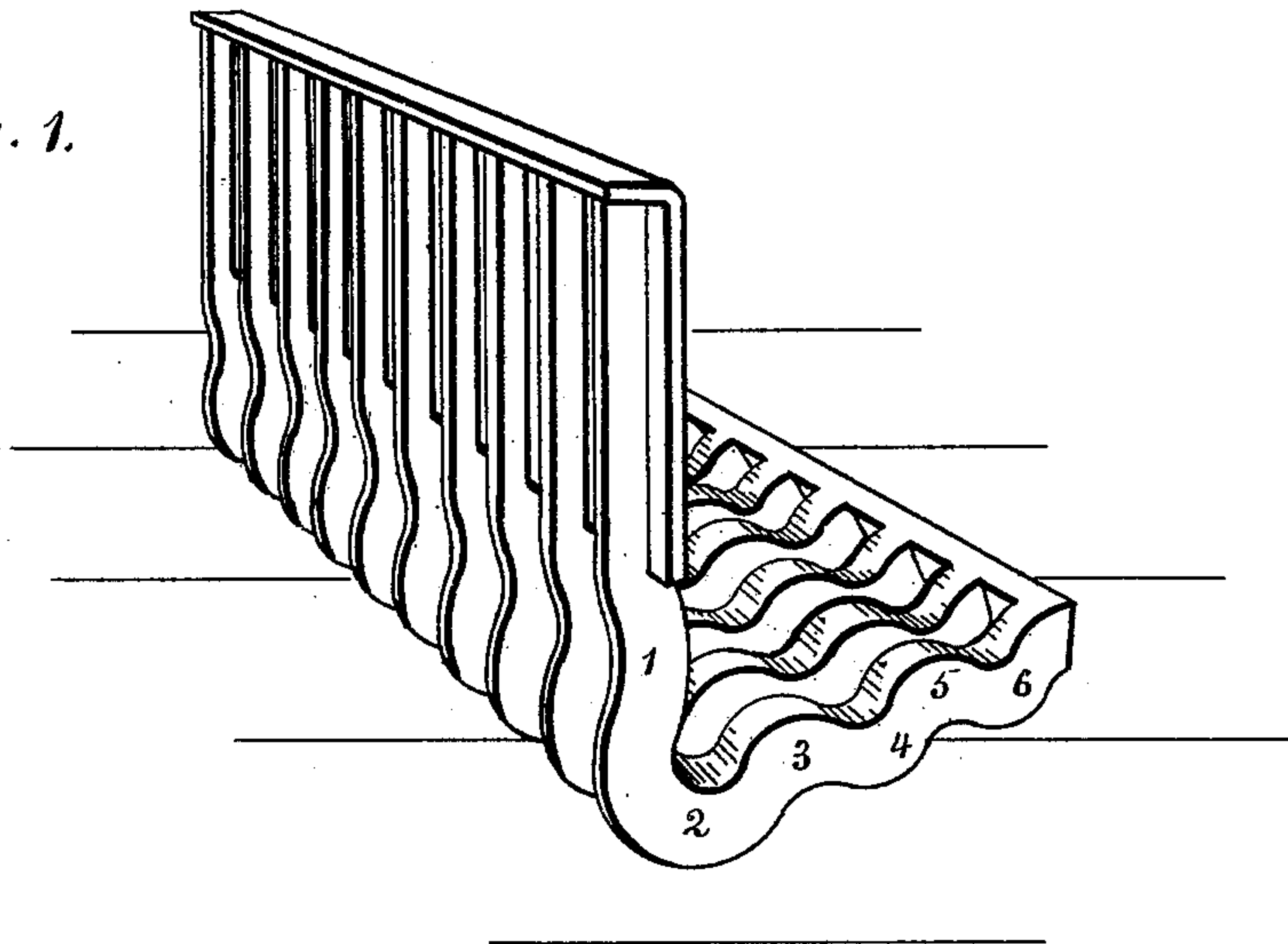
W. S. STEVENSON.

GRATE.

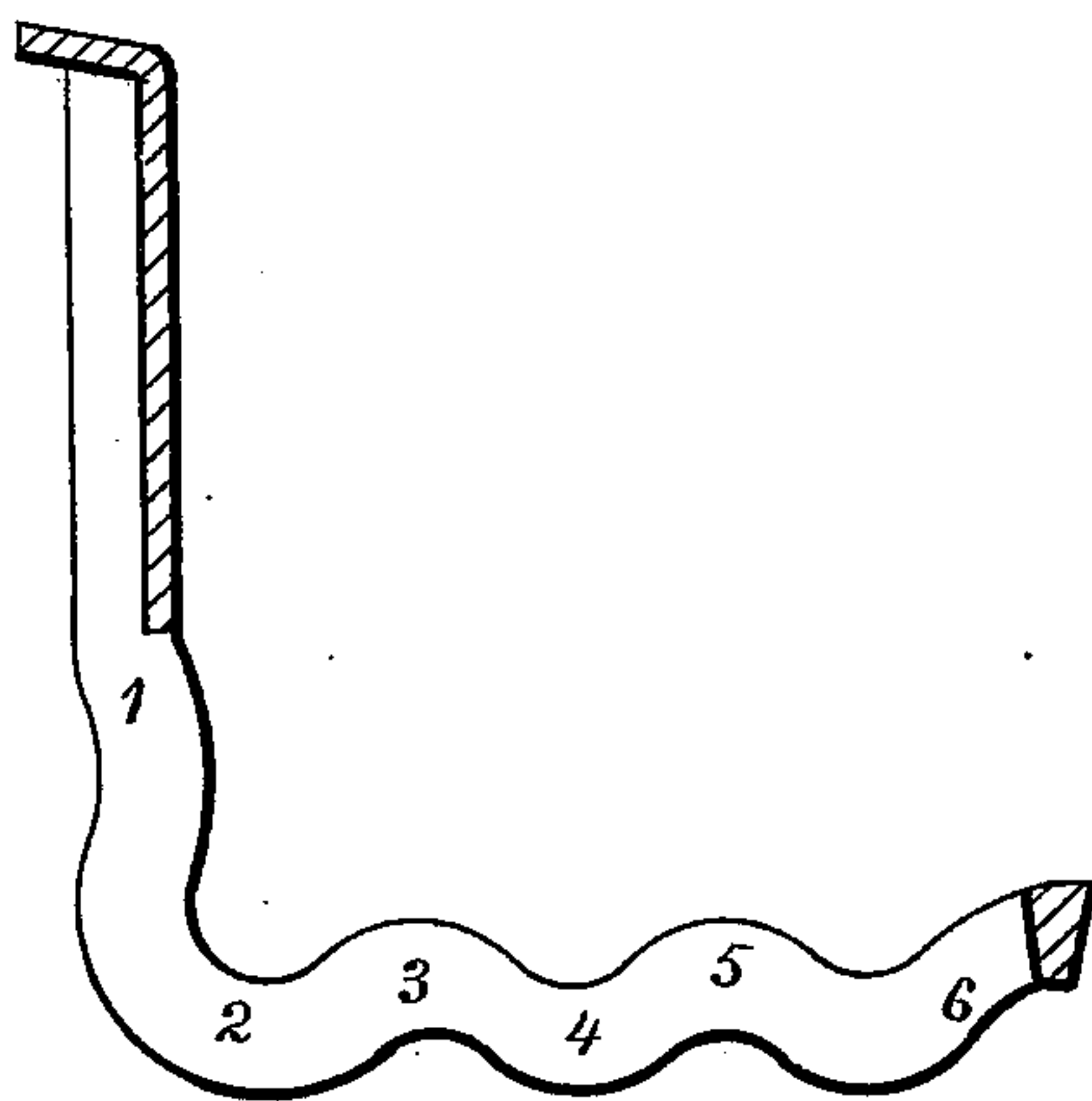
No. 176,560.

Patented April 25, 1876.

*Fig. 1.*



*Fig. 2.*



Witnesses:  
*Benj Morison*  
*W. H. Morison*

Inventor:  
*Walter S. Stevenson*

# UNITED STATES PATENT OFFICE

WALTER S. STEVENSON, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN GRATES.

Specification forming part of Letters Patent No. **176,560**, dated April 25, 1876; application filed February 18, 1876.

*To all whom it may concern:*

Be it known that I, WALTER S. STEVENSON, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Basket-Grates for Stoves, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the said improved grate, and Fig. 2, a vertical transverse section of the same.

The object of my improvement in basket-grates is to better prevent the ashes from becoming packed between the bars of the grate, and thus obstructing the requisitely free draft of air through the fuel, and also to afford a more free and easy discharge of the said ashes while the poker is being used in raking the grate, as such grates cannot be easily tilted; and my invention consists of a basket-grate having its bars corrugated from end to end, as will be described and shown.

The drawings represent the general form of what is known to the trade as the "basket-

grate for cooking stoves and ranges," the upper portion of the front of which is undivided or imperforate, and the lower portion, together with the horizontal bottom, divided into bars, and the whole cast, of iron, in one piece; and the difference between the said grates and my improved one consists in this—that the bars in the former are each without corrugations of any kind, while in mine each bar is corrugated transversely from end to end, as shown in the drawings, 1 2 3 4 5 6 being the corrugations in each bar of the grate.

I claim as my invention—

The basket-grate described herein, the same consisting of the series of grate-bars each corrugated transversely from end to end, as shown at 1 2 3 4 5 6, and their ends connected to the front plate and the rear tie-bar, respectively, by casting the whole grate in one piece, as shown and described.

WALTER S. STEVENSON.

Witnesses:

BENJ. MORISON,  
WM. H. MORISON.