

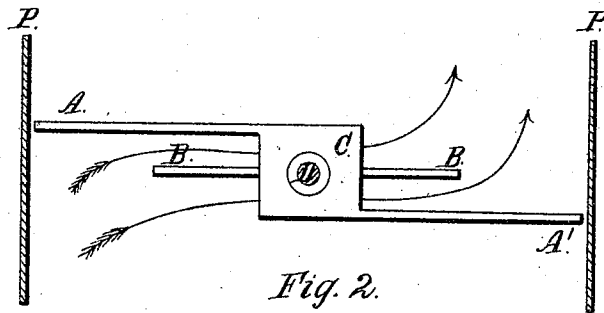
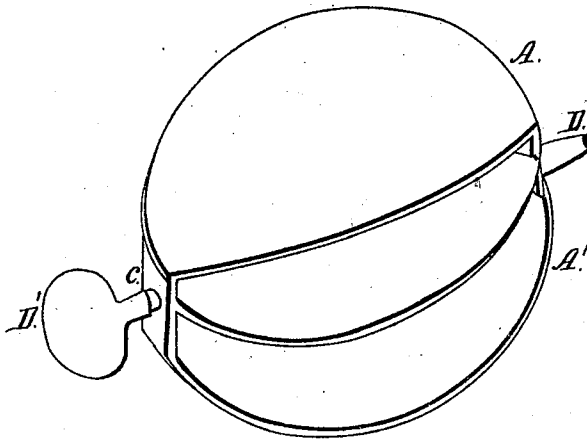
HOLLINGER & FRY.

Stovepipe Damper.

No. 102,266.

Patented April 26, 1870.

*Fig. 1.*



*Fig. 2.*

*Witnesses.*

*Francis W. Bliss*  
*A. H. Cerdanbach*

*Inventors.*

*George Hollinger*  
*Samuel H. Fry*

# United States Patent Office.

GEORGE HOLLINGER AND SAMUEL H. FRY, OF ROTHSVILLE, PENNSYLVANIA.

Letters Patent No. 102,266, dated April 26, 1870.

## STOVE-PIPE DAMPER.

The Schedule referred to in these Letters Patent and making part of the same.

We, GEORGE HOLLINGER and SAMUEL H. FRY, of Rothsville, in the county of Lancaster and State of Pennsylvania, have invented a certain Improvement on Stove-pipe Dampers, of which the following is a specification.

The nature of our invention consists in interposing an oval disk centrally between segmental disks of a circle, both for the purpose of a spark-arrester and the formation of two flues, the whole being a single piece of casting combined in one piece or design.

The drawings illustrate this damper.

Figure 1 is a perspective view of the damper.

Figure 2, a horizontal section.

A brief explanation will enable any one skilled in the business to make and use our invention.

The upper segmental disk, marked A, figs. 1, 2, projects from its slightly rounded central face or diameter to the one side, forming a little more than a semi-circle, while the lower segmental disk A', similar in its radius and circumference, projects on the opposite side.

These disks A and A' are united on each side by end pieces, C, to which the gudgeons D D' are cast.

Connected with these end pieces, and centrally between the disks A A', there is also an oval disk, B, projecting equally beyond the end pieces, centrally, as shown.

The arrows indicate the passage of the products of

combustion when the damper is in a horizontal position within the pipe P.

The heat is arrested by the upper and lower disks closing the pipe around its entire circumference, but admitting the escape of smoke to pass through the two flues thus formed, increasing the open space and giving it a two-fold action, at the same time that the central oval disk B forms a spark-catcher, by it constituting one of the most simple and useful dampers.

Aware that the patent No. 38,776, of June 2, 1863, (in which one of the parties hereto is interested,) consists of two overlapping segmental disks, whose planes are a little apart and connected at their sides by plates or end pieces with gudgeons, in which two segmental disks are claimed, we, therefore, do not claim a damper of two such disks, with a single flue or space between them.

What we claim as our invention, and desire to secure by Letters Patent, is—

The intermediate oval disk B, or spark-arrester, and double flues or spaces produced by the arrangement, in combination with the segmental disks A A', in the manner shown, for the purpose specified.

GEORGE HOLLINGER.  
SAMUEL H. FRY.

Witnesses:

FRANCIS W. CHRIST,  
A. B. REIDENBACH.