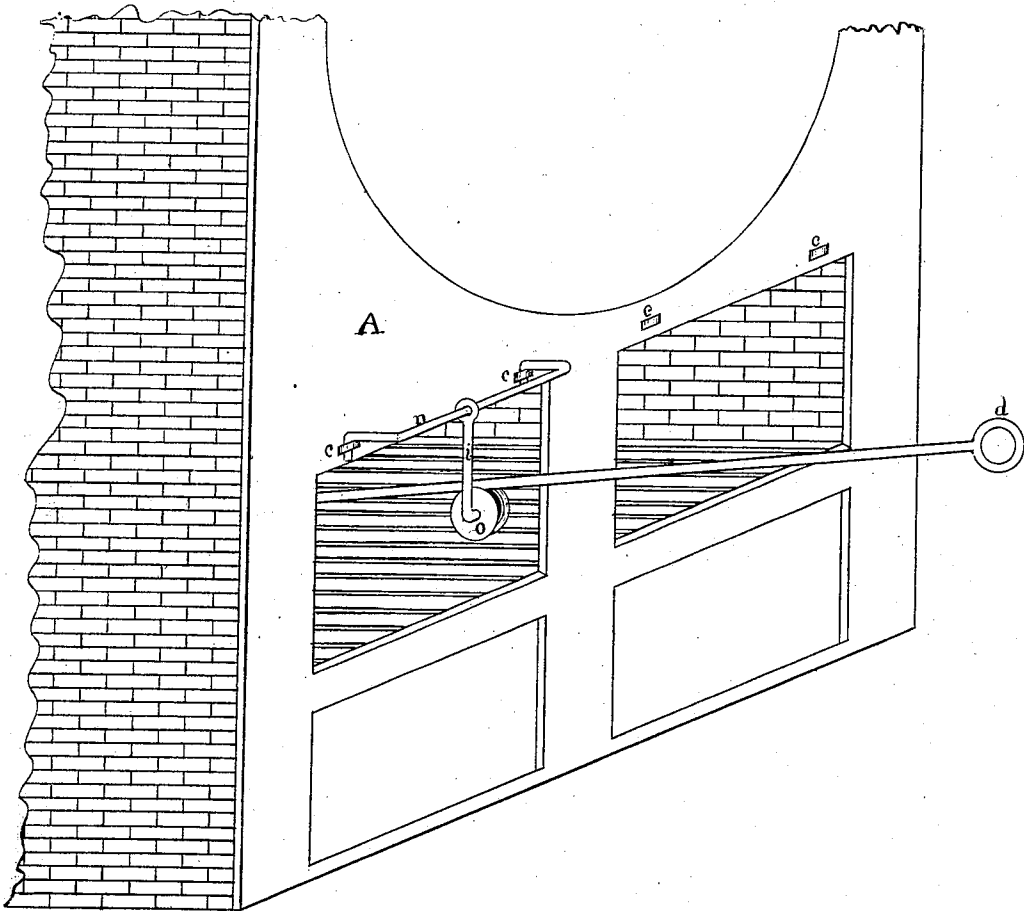


# JOHN RICE'

Attachment for raking Furnaces

105249

PATENTED JUL 12 1870



Witnesses.

*C. J. Collins*  
*A. M. Fox*

*John Rice*

# United States Patent Office.

JOHN RICE, OF OWEGO, NEW YORK.

Letters Patent No. 105,249, dated July 12, 1870.

## RAKING ATTACHMENT FOR FURNACES.

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

I, JOHN RICE, of Owego, in the county of Tioga and State of New York, have invented an Attachment to the Fronts of Furnaces to facilitate stirring fires in or raking out the same; and the following is a specification thereof.

My invention consists in providing a support for long pokers, scrapers, and implements for stirring fires in furnaces, such support to be attached to the fronts of furnaces at the doors, and over which irons may be carried to fires in the back side of deep furnaces, and also prevents the necessity of going close to the fire for this purpose.

In the accompanying drawings—

A is the front plate of a boiler-furnace.

c c are eyes or staples attached to the front plate above each door.

n is a bar of round iron placed horizontally above a furnace-door, and a little in front of the plate A, the ends of the bar n being turned at right angles back to the front plate, and then down through the eyes c c, which hold the bars in place.

On the bar n is suspended a short rod, i, the lower end of which is bent at right angles, to receive the sheave or hollow-faced pulley o. This sheave, being directly before the door, is used as a support or fulcrum for long pokers or irons used in stirring fires.

Where furnaces have two or more doors, each door has eyes or staples above it, and the bar n, with the sheave o, is taken out and hooked in the eyes above the door where the fire requires regulating.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The employment of a fulcrum or support for pokers and irons used in stirring furnace-fires, as set forth.
2. The arrangement of the sheave o, rod i, bar n, and eyes c c, when arranged in the manner and for the purpose herein set forth and described.

JOHN RICE.

Witnesses:

C. J. COLLINS,  
A. W. FOX.