(No Model.)

W. E. RYAN.

BELLOWS ATTACHMENT.

No. 368,733. Patented Aug. 23, 1887.

Fig. 1.

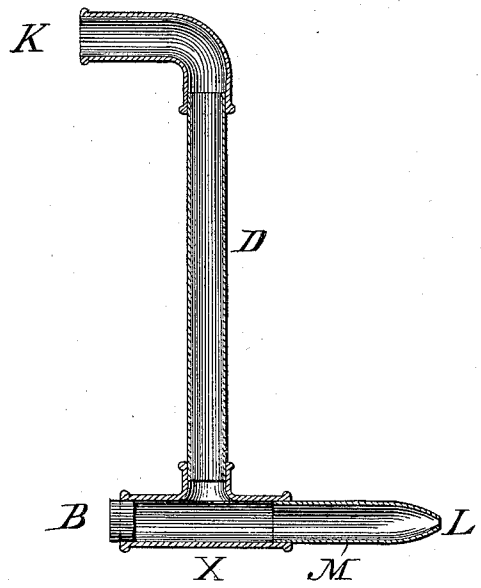
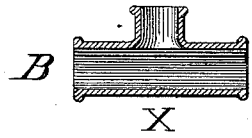


Fig. 2.



Witnesses:
Samuel Ryan
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Inventor:
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UNITED STATES PATENT OFFICE.

WILLIAM E. RYAN, OF FRENCH LICK, INDIANA.

BELLOWS ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 368,733, dated August 23, 1887.

Application filed December 13, 1886. Serial No. 221,460. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. RYAN, of French Lick, Orange county, in the State of Indiana, have invented a Bellows Attachment, of which the following is a specification.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

Figure 1 of the drawings is a sectional elevation of my attachment, and Fig. 2 a detail view in section of the T-pipe.

In the drawings, K represents a right-angled pipe, which connects with the bellows; D, a straight pipe, and X a T-pipe.

M is a pipe with a tapering end, L, made fast to the tuyere under the blacksmith's fire.

B is a plug in one end of the T-pipe, and made detachable for the removal of cinders.

The pipe-joints are made tight and of any suitable dimensions.

What I claim as new, and desire to protect by Letters Patent, is—

A bellows attachment consisting of the angle-pipe K, straight pipe D, T-pipe X, having removable plug at one end, and pipe M L, for connection with the tuyere at the other end, substantially as shown and described.

October 15, 1886.

WILLIAM E. RYAN.

Witnesses:

SAMUEL RYAN,

W. B. CLARKE.