

DANIEL MYERS.

Improvement in Machine for Pitching Barrels.

No. 122,128.

Patented Dec. 26, 1871.

Fig. 1.

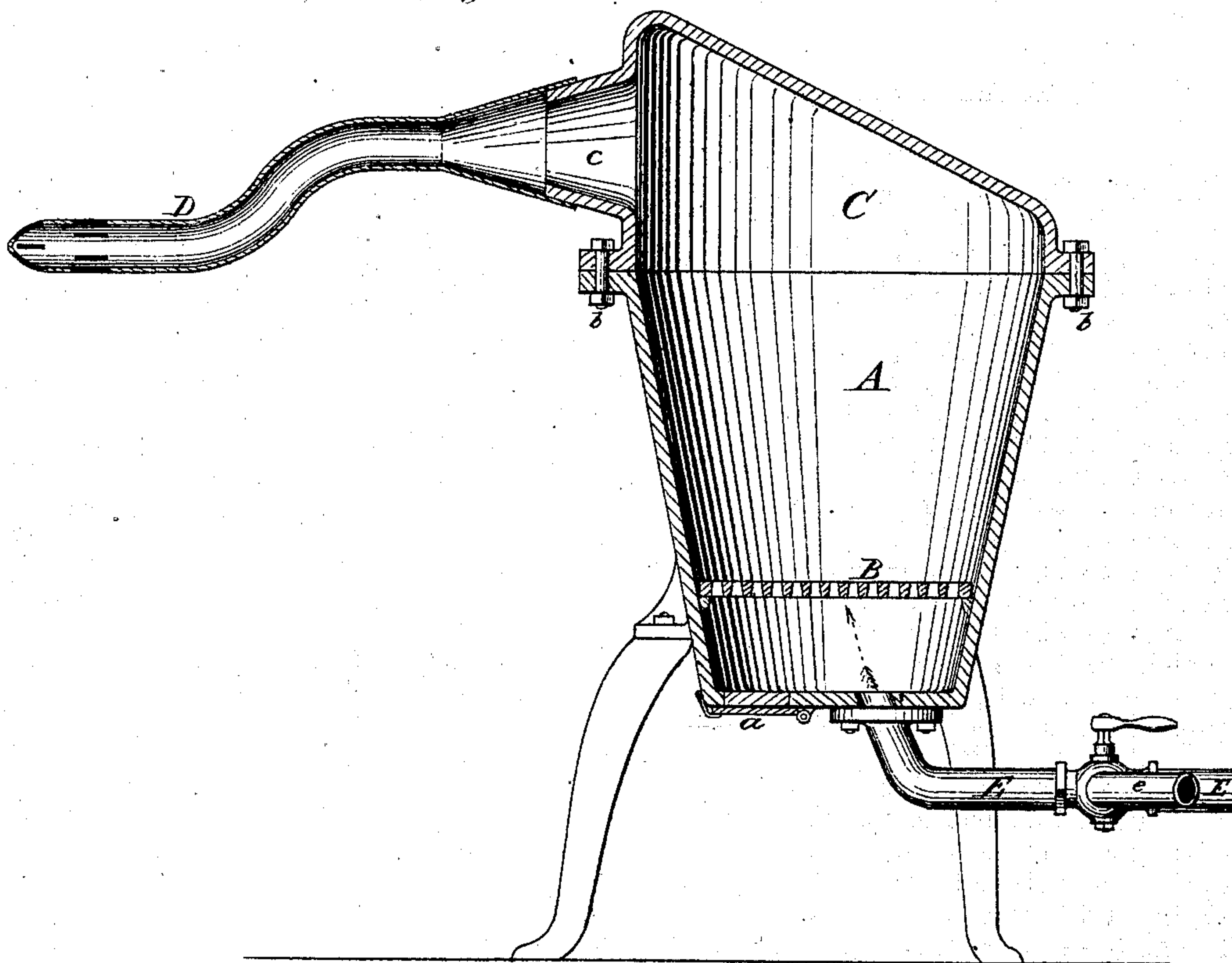
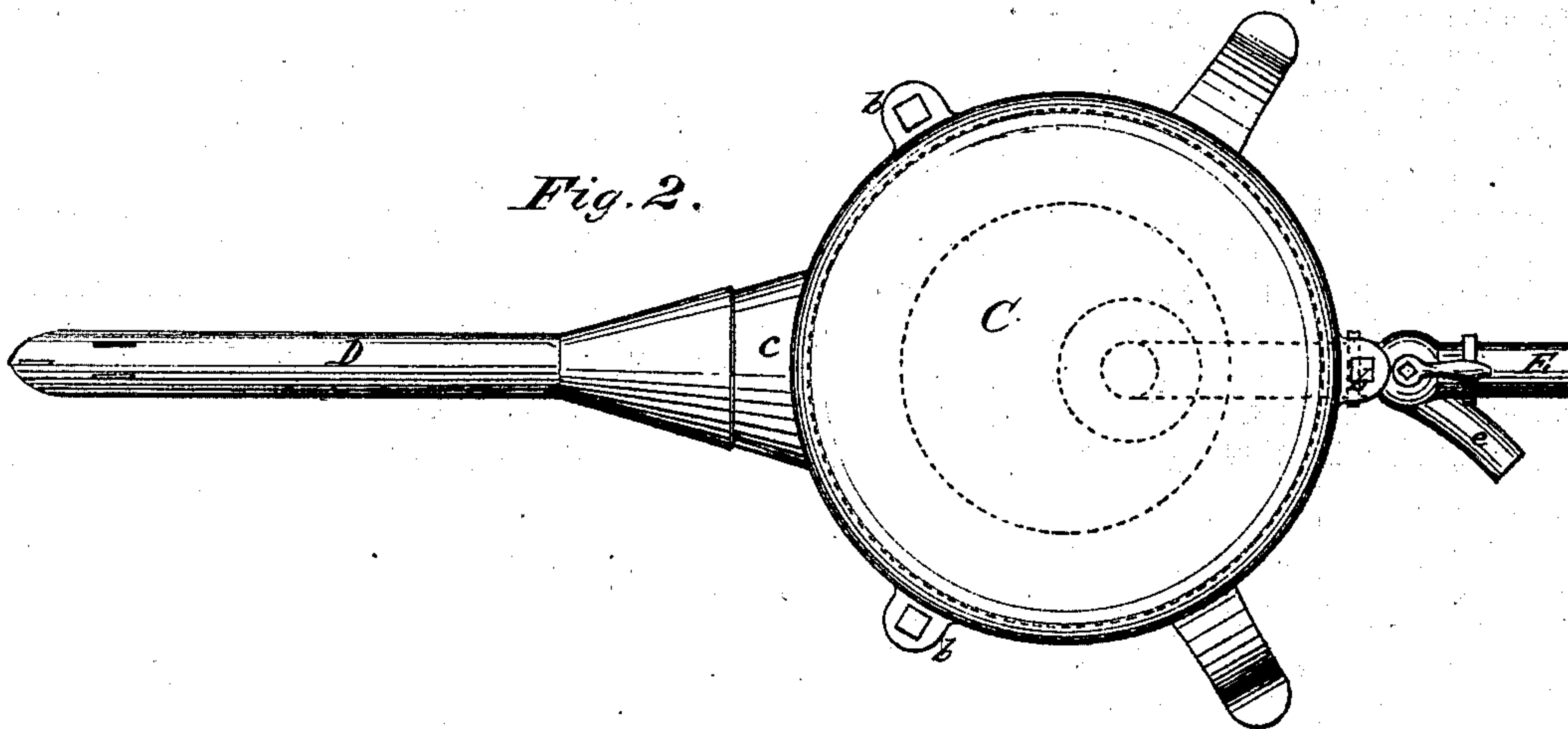


Fig. 2.



Witnesses:

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DANIEL MYERS, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN MACHINES FOR PITCHING BARRELS.

Specification forming part of Letters Patent No. 122,128, dated December 26, 1871.

I, DANIEL MYERS, of the city and county of Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Pitching-Machines, for pitching barrels of all sizes and kinds for breweries, distilleries, &c.; and it consists in an improved construction and arrangement of parts, all of which will be more specifically described in the following specification, reference being had to the accompanying drawing making a part thereof.

In the drawing, Figure 1 is a vertical section of my machine. Fig. 2 is a top view of the same.

In the drawing, A represents an oven of the form of an inverted frustum of a cone, in the lower part of which is arranged the grate B, upon which the fire is made. The top C of the oven is secured to it by suitable lugs and bolts *b b*, in preference to the bayonet joints heretofore used, as by said bolts it may be better secured. The roof of the cover C is slanted toward one side, and has a conical mouth-piece, *c*, to which the fire-pipe D is attached, which is provided at the other end with holes or apertures of the usual kind, through which the flame passes. This pipe D has an ogee bend in it to fit it to barrels of different sizes and heights. A door, *a*, is arranged in the bottom of the oven A, through which the ashes and cinders may be taken out. The air or blast-pipe E enters the bottom of the oven in an oblique manner, so that it strikes the center of the grate. In the blast-pipe I place a two-way cock, connecting with the blower by one pipe, and having a branch pipe, *e*, which connects with the air. By turning the cock one way or the other it connects and opens the passage either to the blower or the open air. The cold air, when admitted, assists in cooling off the oven. A fan or

blower of the usual kind connects with the blast-pipe, by which the fire is blown into the barrels through the pipe D. The advantages of the conical form of the oven are, that the gases generated by the fire are more readily consumed. By securing the top with lugs and bolts said top is not so apt to be jarred loose as it was when held by the bayonet joints, when the top was apt to work itself loose by the jarring motion. By the two-way cock the cold air may be admitted to the oven and assist in cooling it. The conical mouth or end of the fire-pipe may be easily revolved on the conical mouth-piece of the oven, thereby greatly facilitating the attachment or entrance of the fire-pipe into barrels of different sizes and heights.

Having thus described my invention, what I claim is—

1. The oven of the form of an inverted cone, substantially as shown, and for the purpose set forth.
2. The cover, having a slanting roof and conical mouth-piece, substantially as and for the purpose set forth.
3. The oven with lugs, in combination with the cover, having corresponding lugs, so as to be attached by means of bolts, substantially as set forth.
4. The fire-pipe, having conical end, in combination with the mouth-piece of the oven, as set forth.
5. The blast-pipe, provided with two-way cock, as and for the purpose set forth.

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Witnesses:

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