

J. Salter,

Screw Propeller.

No. 109673.

Patented Nov. 29. 1870.

Fig. 1.

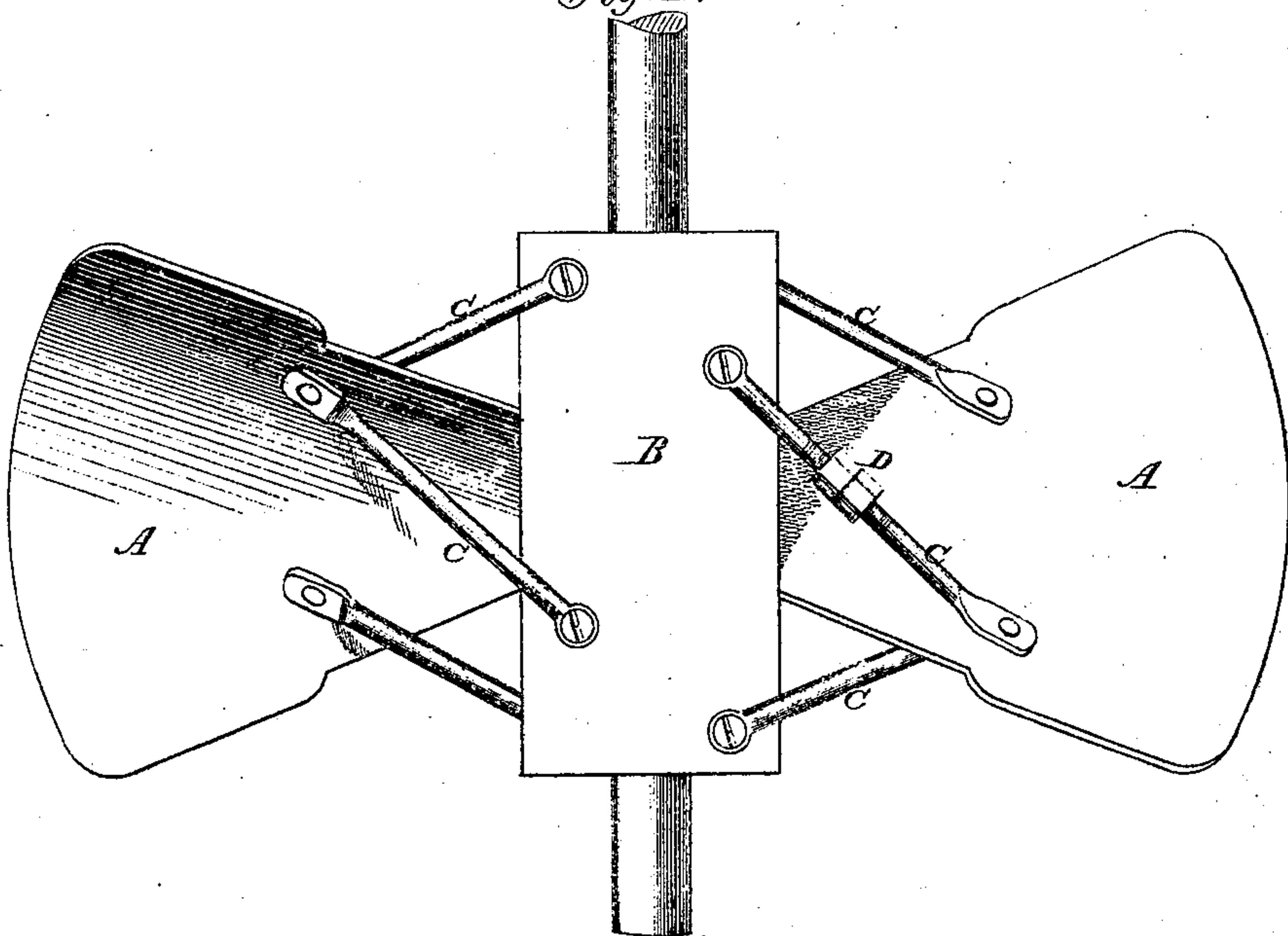
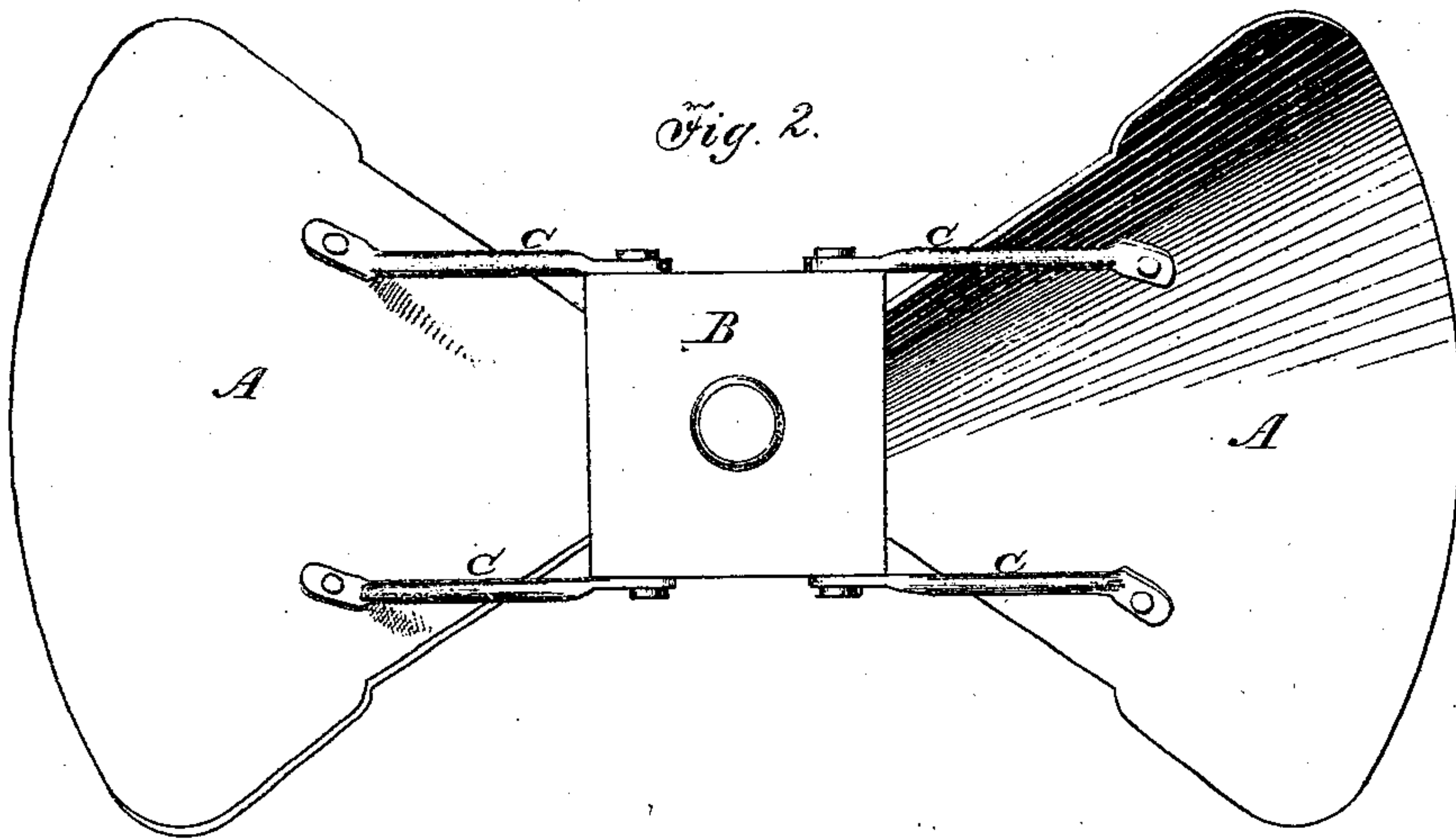


Fig. 2.



Witnesses:
Gustave Dietrich
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JAMES SALTER, OF WILLIAMSBURG, NEW YORK.

Letters Patent No. 109,673, dated November 29, 1870.

IMPROVEMENT IN PROPELLERS.

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

To all whom it may concern:

Be it known that I, JAMES SALTER, of Williamsburg, in the county of Kings and State of New York, have invented a new and improved Propeller; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The present invention relates to an improved propeller, whose fans are made flat and their base countersunk in the hub, to which they are held secure by means of suitable braces, provided with nuts and screws to adjust the pitch.

Figure 1 represents a plan of my propeller.

Figure 2 is an end view of the same.

Similar letters of reference indicate corresponding parts.

In this case the letters A represent the fans, which are made flat.

The bases of the said fans are set in grooves prepared for them in the hub B, where they are held se-

cure by the braces C, which are bolted to the hub and fans, as shown in the accompanying drawing.

Each alternate brace is provided with a swivel-nut, so as to enable the pitch to be altered if found necessary.

The object in thus securing the fans to the hub is to enable a fan to be replaced should an accident happen at sea.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A flat fan, A, set in the hub B, and secured thereto by means of braces C, the said braces being provided with adjusting-swivels D, constructed, arranged, and operating in the manner and for the purpose substantially as herein set forth, shown, and described.

The above specification of my invention signed by me this 1st day of October, 1870.

JAMES SALTER.

Witnesses:

GEO. W. MABEE,
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