

C.C. Maurice. Lithographic Press.

116335

PATENTED JUN 27 1871

Fig. 1.

Fig. 2.

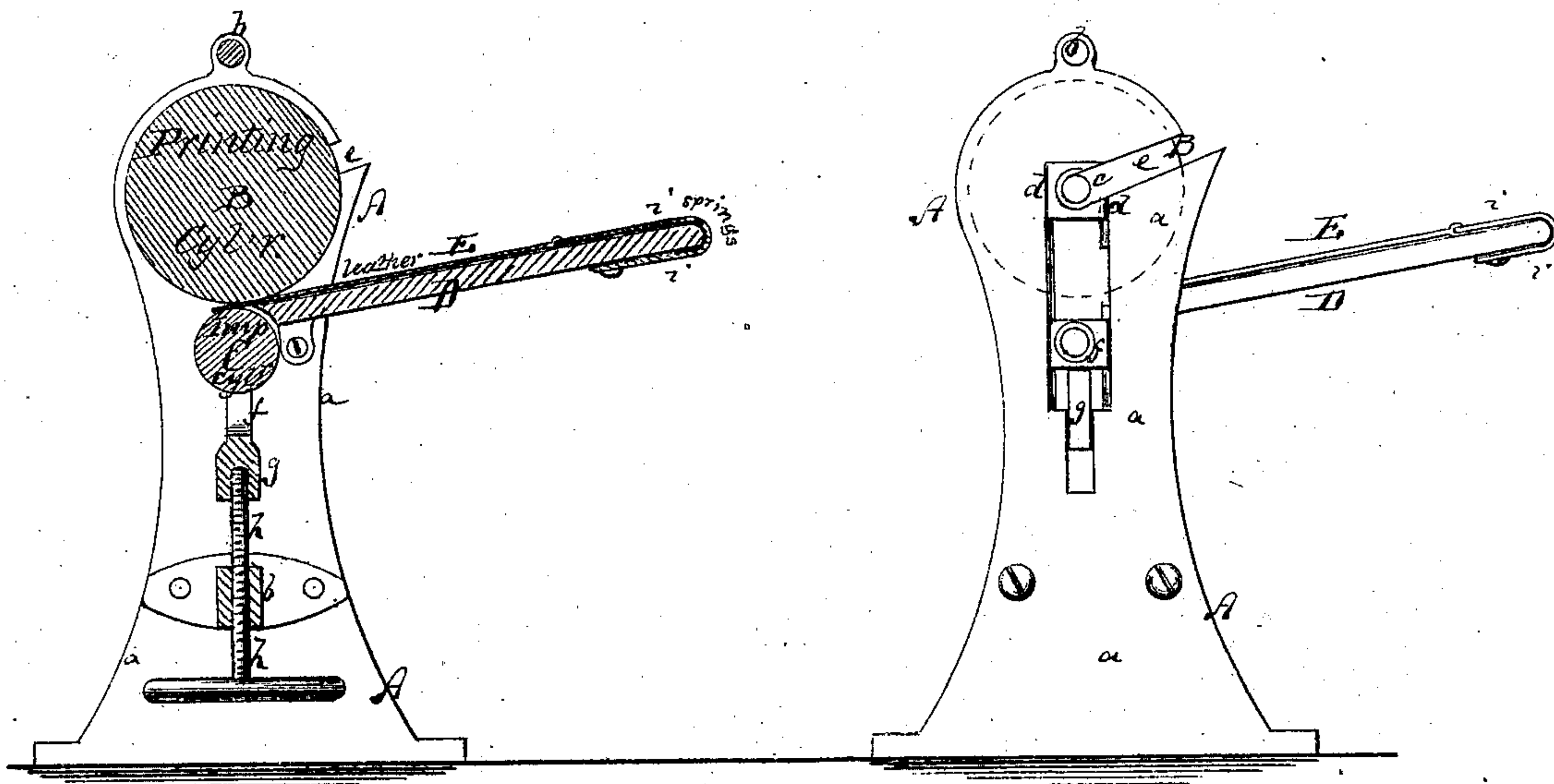
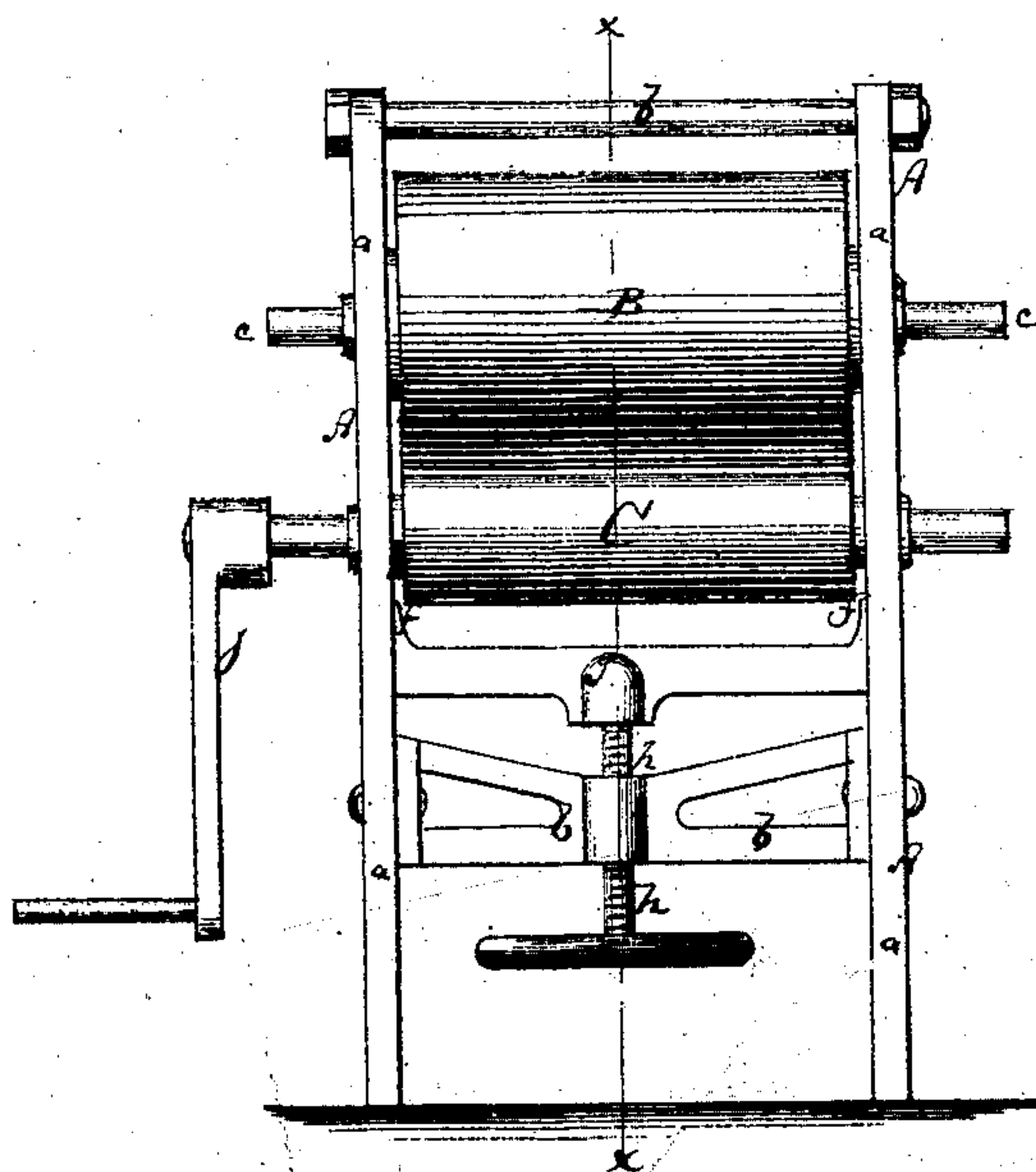


Fig. 3.



Witnesses:

John Becker.
Wm. H. C. Smith.

Inventor:

C. C. Maurice.

PER

Munroe
Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES C. MAURICE, OF NEW YORK, N. Y.

IMPROVEMENT IN LITHOGRAPHIC PRESSES.

Specification forming part of Letters Patent No. 116,335, dated June 27, 1871.

To all whom it may concern:

Be it known that I, CHARLES C. MAURICE, of New York city, in the county and State of New York, have invented a new and Improved Lithographic Printing-Press; 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.

Figure 1 represents a vertical transverse section of my improved lithographic press taken on the plane of the line *xx*, Fig. 3. Fig. 2 is an end elevation of the same. Fig. 3 is a side elevation of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new lithographic press of the kind using cylindrical printing-stones. The present invention consists, chiefly, in making the printing-cylinder removable, so that it can be inked and wetted outside of the press.

A in the drawing represents the frame of my improved press. It is made of suitable size, and consists of upright side plates *a a*, connected by suitable braces *b b*. B is the cylindrical printing-stone. It is provided with a metallic axle, *c*, whose bearings *d d* are in the side plates *a* of the frame. Inclined slots *e e* are cut into the sides of the frame and lead to the bearings *d*. The cylinder B can, through these slots, be easily removed and reinserted. For wetting and inking purposes it is taken out to be rolled over flat wetting and inking-slabs, and is then replaced

on its bearings for printing. C is a pressure-cylinder, hung so as to be vertically adjustable in the lower part of the frame A, beneath the printing-cylinder B. Its bearings *ff* are formed at the ends of a cross-bar, *g*, which can be set higher or lower by means of an upright screw, *h*, working in the lower cross-brace *b* of the frame. From the frame projects a platform, D, whose upper surface terminates on the frame about in line with the lower part of the cylinder B. Upon this platform is placed a leather plate, E, which has its outer end connected by a rubber or other spring, *i*, with the platform. The other end of the leather plate is between the two rollers B C.

When a paper to be printed has been placed upon the leather the lower roller C is revolved by means of a crank, *j*, or other device. The leather is then, with the paper on it, drawn through the press, the surface of the paper receiving the desired impression. The paper is then taken off and the cylinder B taken out to be rewetted and inked, the spring *i* drawing the leather back to its original position.

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

1. The lithographic press, provided with the removable printing-cylinder B, substantially as herein shown and described.

2. The platform D, leather plate E, and spring *i*, combined with the rollers B C of the press, as set forth.

Witnesses: CHARLES C. MAURICE.

A. V. BRIESEN,

T. B. MOSHER.