

(No Model.)

C. E. BALDWIN.

COPYING ROLLER.

No. 274,549.

Patented Mar. 27, 1883.

FIG. 1.

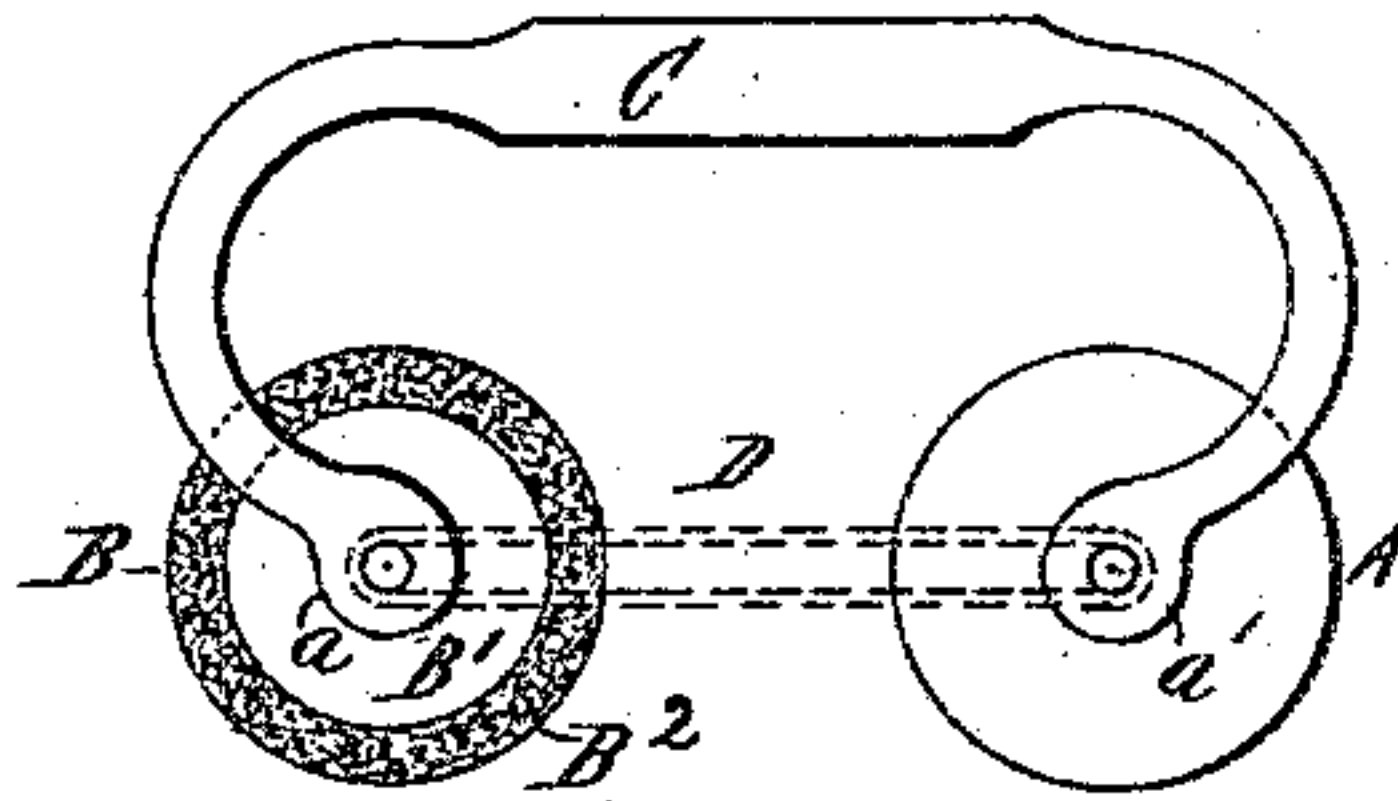


FIG. 2.

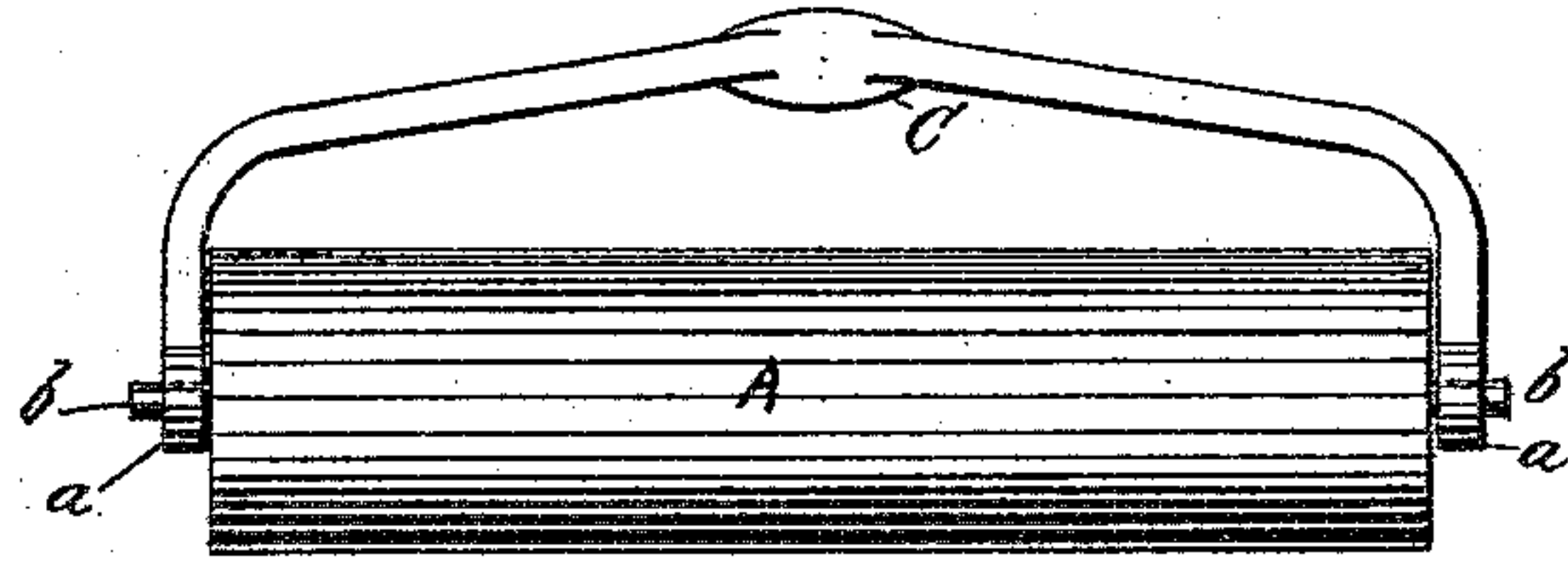
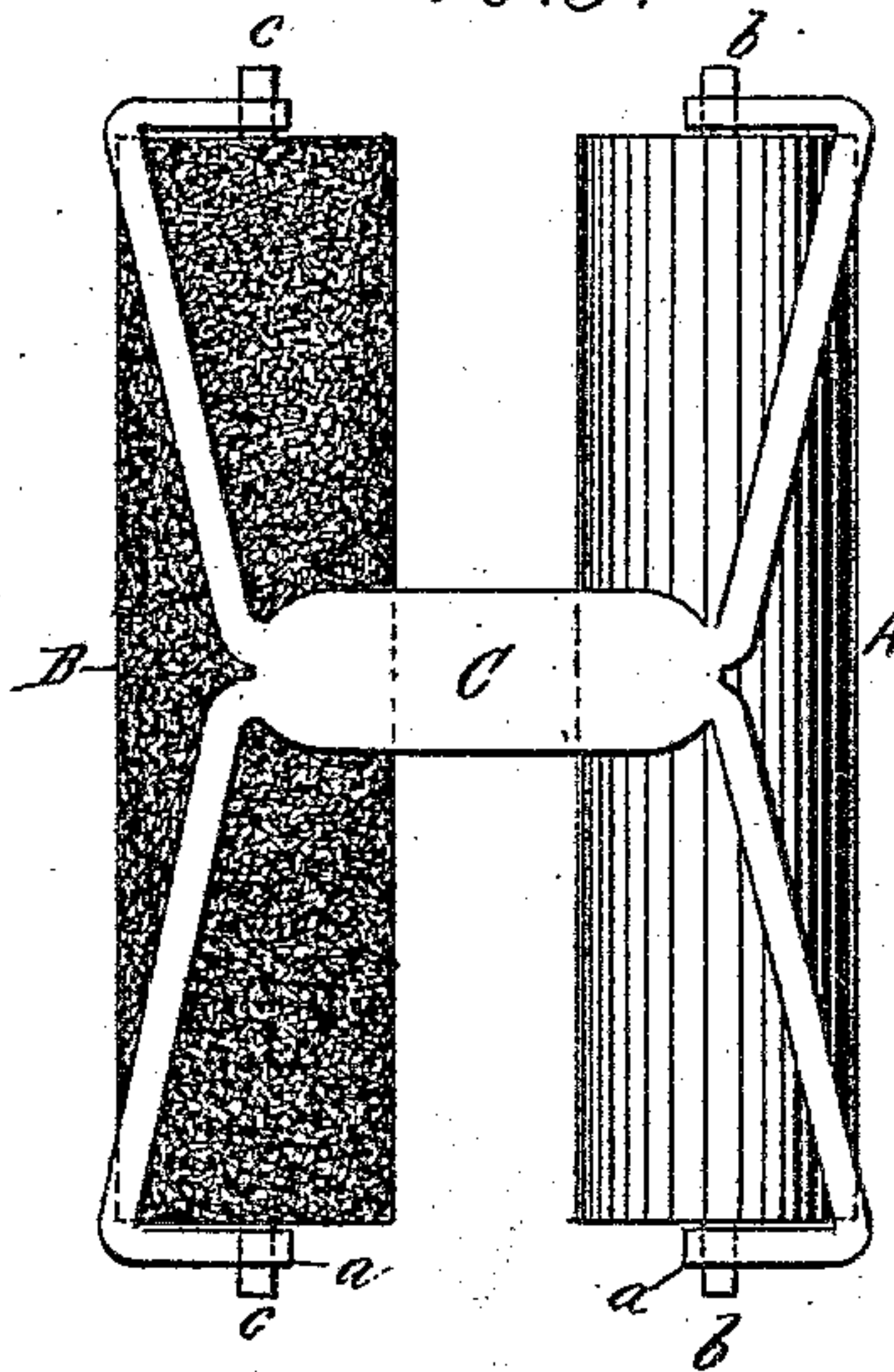


FIG. 3.



Witnesses.
John Buckler,
Sam J. Smith

Inventor.
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UNITED STATES PATENT OFFICE.

CHARLES E. BALDWIN, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO CORNELIUS BEARD.

COPYING-ROLLER.

SPECIFICATION forming part of Letters Patent No. 274,549, dated March 27, 1883.

Application filed November 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. BALDWIN, a citizen of the United States of North America, and a resident of the city, county, and State of New York, have invented a new and useful Improvement in Copying-Rollers, of which the following is a specification.

The object of this invention is to provide a cheap, simple, and convenient device for use in copying letters, manuscripts, &c.—a device that may be successfully substituted for the well-known letter-copying press now in general use.

The invention consists of two rollers held in position apart and parallel to each other by a suitable handle, one of said rollers being composed essentially of a hard inelastic non-absorbent material and the other of an elastic absorbent material.

Reference is to be had to the accompanying drawings, composing part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the device. Fig. 2 is a rear elevation of the same. Fig. 3 is a plan of the same.

In the drawings, A represents a smooth cylindrical roller, of wood, iron, or other inelastic substance, and B a cylindrical roller consisting preferably of an inelastic portion, B', enveloped by an elastic and absorbent cover, B², which may be composed of felt, woven fabric, sponge, or the like, but may consist entirely of elastic and absorbent substance.

C represents a doubly forked or branched handle in whose eyes or bearings *a a'* are engaged the axles *b c*, respectively, of the said cylinders A B, so that the latter are held in the same plane, apart and parallel with each other, as shown, and so that they may revolve independently of each other.

A link, D, may, if desired, be engaged over the ends of the respective rollers A B, or, rather,

over the axles thereof, as shown in Fig. 1, to strengthen the device and hold the parts in constant relative positions.

When it is desired to take a copy of a letter the absorbent roller B is properly moistened by dipping it in water or rolling it over a wet surface, and then is applied (rolled) by the operator, who grasps the handle C, over the sheet on which the copy is to be taken, whereby said sheet is suitably moistened. The letter is then laid face downward on the moistened sheet, and the inelastic roller A is, with suitable pressure, passed over the back of the letter. Thus a copy may be obtained with much less labor, with greater ease, and as much certainty as with the ordinary expensive and cumbersome letter-copying press.

A thick piece of felt removably secured in the bottom of a suitable vessel, and kept moistened, is best adapted to supply the proper amount of moisture to the roller B, the latter being rolled over the said moistened felt before being applied for use. When either one of the said rollers is applied in use the device is tilted by the operator, so that the other roller shall not come in use.

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

As a new article of manufacture, a copying-roller constructed substantially as herein shown and described, consisting of an elastic and absorbent roller and an inelastic non-absorbent roller, held in position apart from and parallel with each other by a suitable handle, as set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 21st day of November, 1882.

CHARLES E. BALDWIN.

Witnesses:

JACOB J. STORER,
A. BEARD.