

No. 631,642.

Patented Aug. 22, 1899.

D. A. KELLEY & G. J. NICOLAI.
WALL PAPER PASTING MACHINE.

(Application filed May 22, 1896.)

(No Model.)

2 Sheets—Sheet 1.

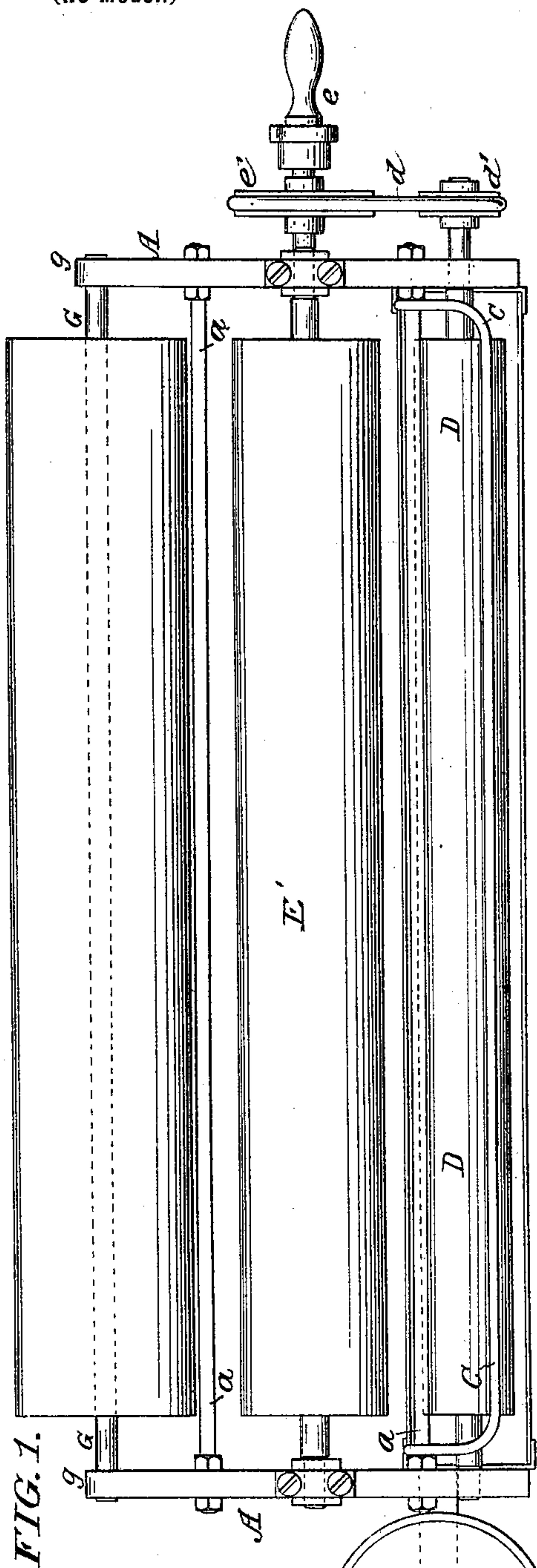
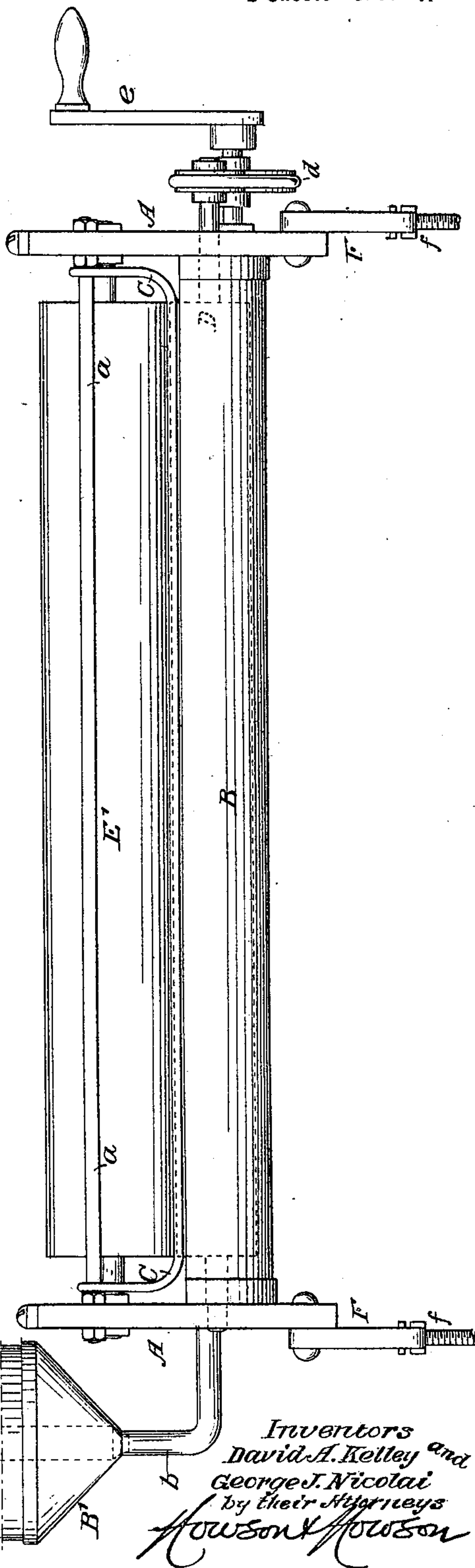


FIG. 1.

Witnesses
C. D. Goodwin
Wm. A. Barr.

FIG. 2.



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David A. Kelley and
George J. Nicolai
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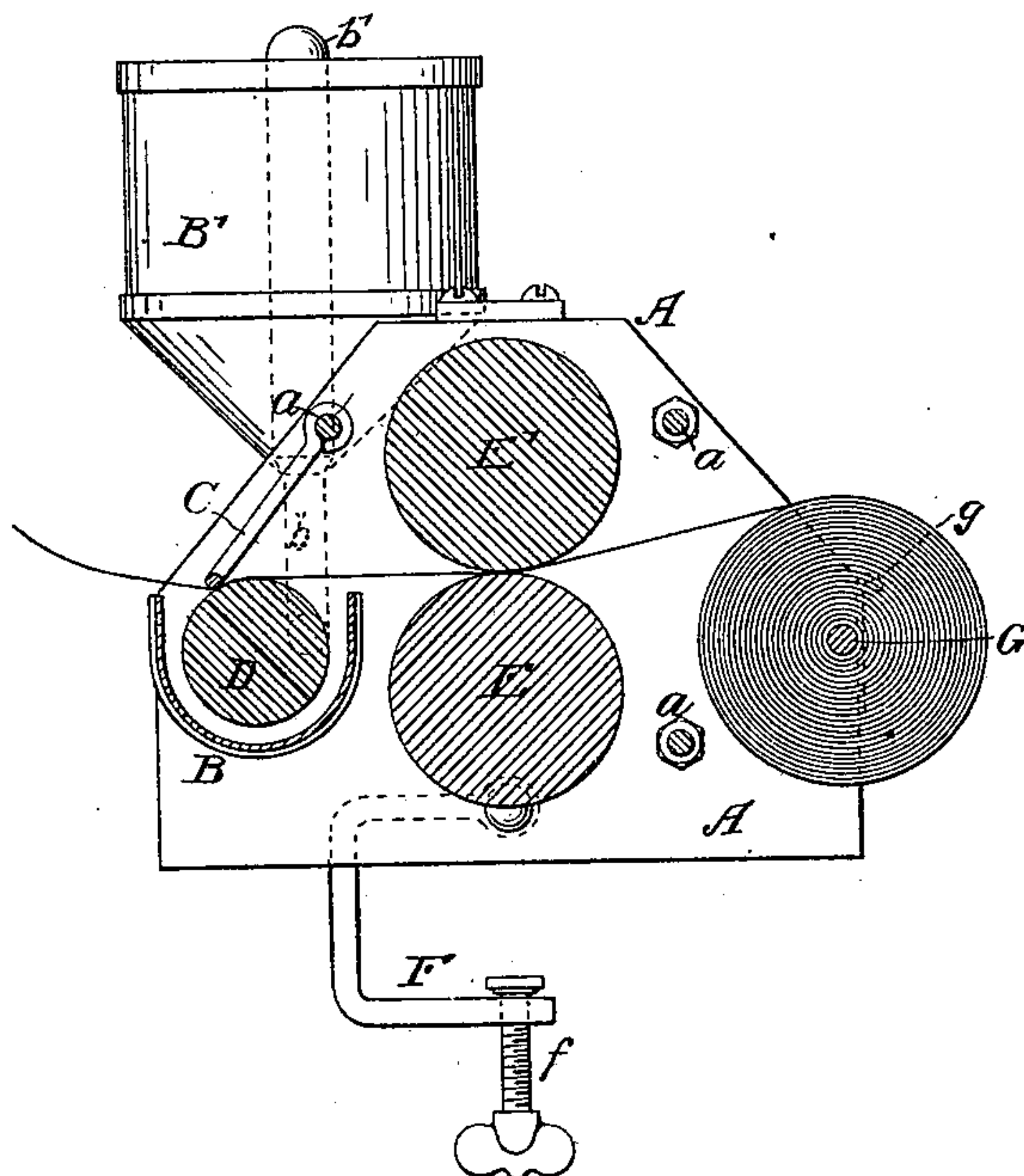
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FIG. 3.



Witnesses:
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Will. A. Barr.

Inventors:
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UNITED STATES PATENT OFFICE.

DAVID A. KELLEY AND GEORGE J. NICOLAI, OF PHILADELPHIA,
PENNSYLVANIA.

WALL-PAPER-PASTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 631,642, dated August 22, 1899.

Application filed May 22, 1896. Serial No. 592,635. (No model.)

To all whom it may concern:

Be it known that we, DAVID A. KELLEY and GEORGE J. NICOLAI, citizens of the United States, and residents of Philadelphia, Pennsylvania, have invented certain Improvements in Wall-Paper-Pasting Machines, of which the following is a specification.

The object of our invention is to construct a machine for pasting wall-paper.

10 The main object of our invention is to make the machine comparatively simple and portable, so that the paper-hanger can carry the machine from place to place with very little trouble.

15 In the accompanying drawings, Figure 1 is a plan view of our improved pasting-machine. Fig. 2 is a side view. Fig. 3 is a transverse sectional view.

20 The end frames A A are connected together by the tie-bolts *a a*, which are provided with suitable nuts, so as to hold the frames rigidly.

Extending from one side frame to the other is a paste-trough B, which in the present instance is held in place by friction, the tie-bolts being tightened to such a degree that 25 the trough will be held rigidly in the set position, and by simply slacking the nuts the trough can be removed and cleansed.

30 D is the paste-roller, journaled in the side frames A A and adapted to the trough. By this roller the paste in the trough is conveyed to the paper.

35 E E' are the feed-rollers, both of which are journaled in the side frames A. The roller E is driven by hand, being provided with a suitable crank-handle *e*, while the roller E' is a pressure-roller mounted directly above the roller E.

40 The paste-roller D is driven from the roller E by a belt *d*, which passes around a wheel *e'* on the journal of the roller E and around a wheel *d'* on the spindle of the paste-roller D.

45 We prefer to so arrange the parts that the paste-roller D is driven at a higher rate of speed than the feed-rollers, so as to distribute the paste more evenly upon the paper.

50 Hung to one of the stay-rods *a*—in the present instance above the pasting-roller—is a swinging bar C, which rests upon the paper above the paste-roller and tends to keep the

paper always in contact with the said roller. This bar is of such a weight that it will keep the paper in contact with the roller without marring or cutting the paper.

The paste is fed to the trough B from a reservoir B' at one side of the machine, connected 55 to the trough through the side frame by a pipe *b*, and in this reservoir is a plug-valve *b'*, which can be elevated by the paper-hanger to allow a certain amount of paste to flow from 60 the reservoir to the trough.

The apparatus is secured to a table in the present instance by clamps F, hung to each side frame A, and these clamps are provided 65 with suitable screws *f* of the ordinary form.

The roll of paper to be pasted is hung on a rod G, adapted to bearings in the side frames, and this rod is held in position by spring-plates *g*. The paper is passed between the rollers E E' under the bar and in contact with 70 the paste-roller, and when motion is imparted to the roll E and the paste-roller the paper is fed and the paste distributed evenly over the back thereof. The operator can then turn the paper over the roll E', so that the pasted 75 side will be up.

The paper can be cut the proper length when pasted and hung immediately.

When necessary, the paper may be cut in lengths in the first instance and fed by the 80 feed-rolls without rolling it upon the bars G.

We claim as our invention—

1. The combination in a wall-paper-pasting machine, of the side frames, bolts connecting said frames together and having adjustable 85 nuts on the ends of the same, a roller for the paper adapted to suitable bearings in said side frames, feed-rolls located at the rear of the paper-roll, a paste-trough mounted between the side frames and held therein by 90 friction, a paste-roller journaled in the side frames and located within said trough over which the paper is guided by the feed-rollers, a presser-bar for holding the paper to the paste-roller as it passes over the same, all of 95 said elements being arranged and confined between the side frames of the machine, a handle connected to the lower feed-roll and serving to drive the same, and a driving connection between the feed-roll and the paste- 100

roll whereby the latter will be positively rotated as the paper is fed to the same, substantially as described.

2. The combination in a machine for pasting wall-paper, of the side frames, the tie-rods adjustably connecting said frames, the paste-trough extending from one side frame to the other and held therein by frictional contact with said side frames, a paste-roller within the trough journaled in the side frames, bearings for supporting the roll of paper to be pasted, feed-rollers for the paper in advance of the paste-roller and also journaled in the side frames, bearings for supporting the roll of paper to be pasted, a presser-bar carried by the side frames and adapted to

rest on the paper as it passes over the paste-roller, all of said elements being arranged and confined between the side frames of the machine, and a reservoir for the paste carried by one of the side frames on the outside of the same, and communicating with the paste-trough, substantially as described. 20

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses. 25

DAVID A. KELLEY.
GEORGE J. NICOLAI.

Witnesses:

WILL. A. BARR,
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