

(No Model.)

A. FAULKNER.
SEWING MACHINE.

No. 322,533.

Patented July 21, 1885.

Fig. 1.

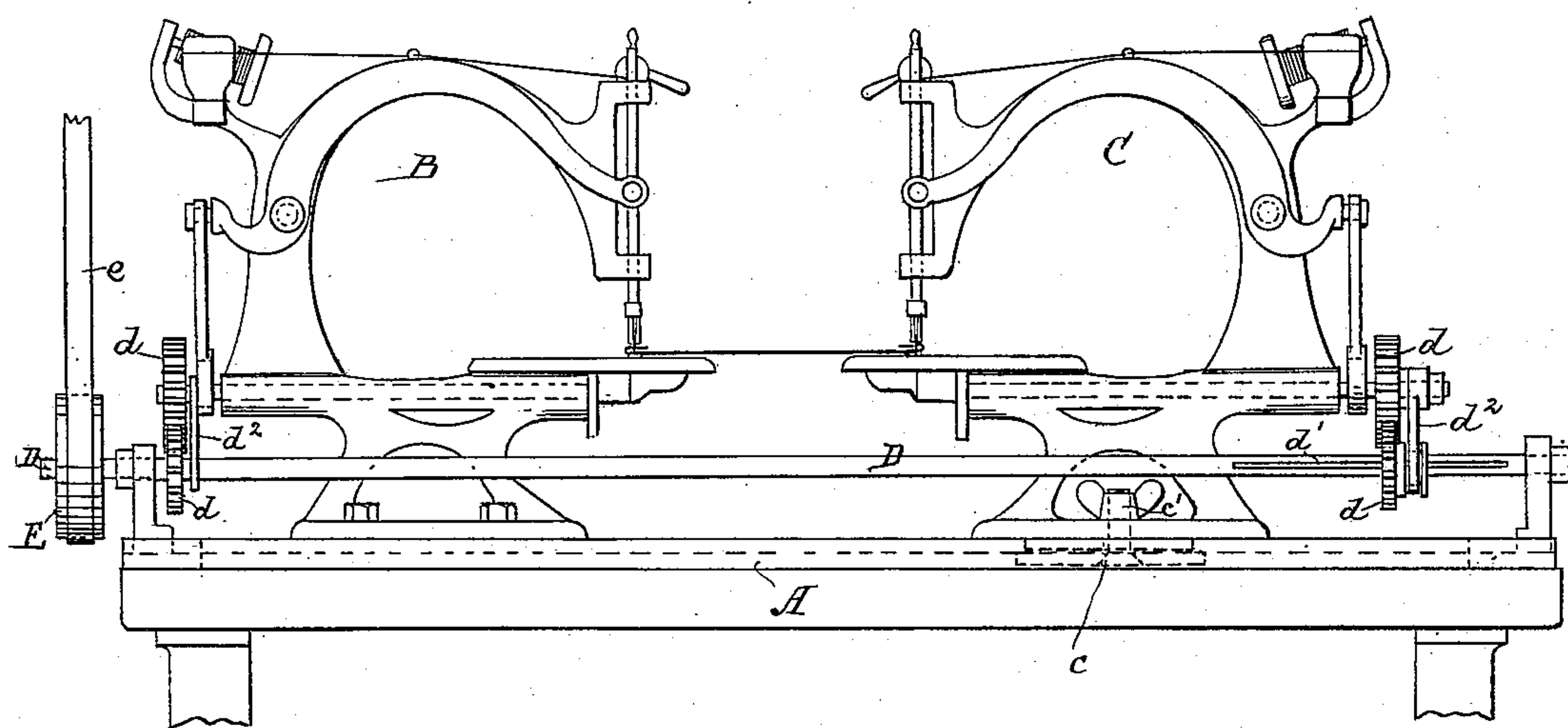
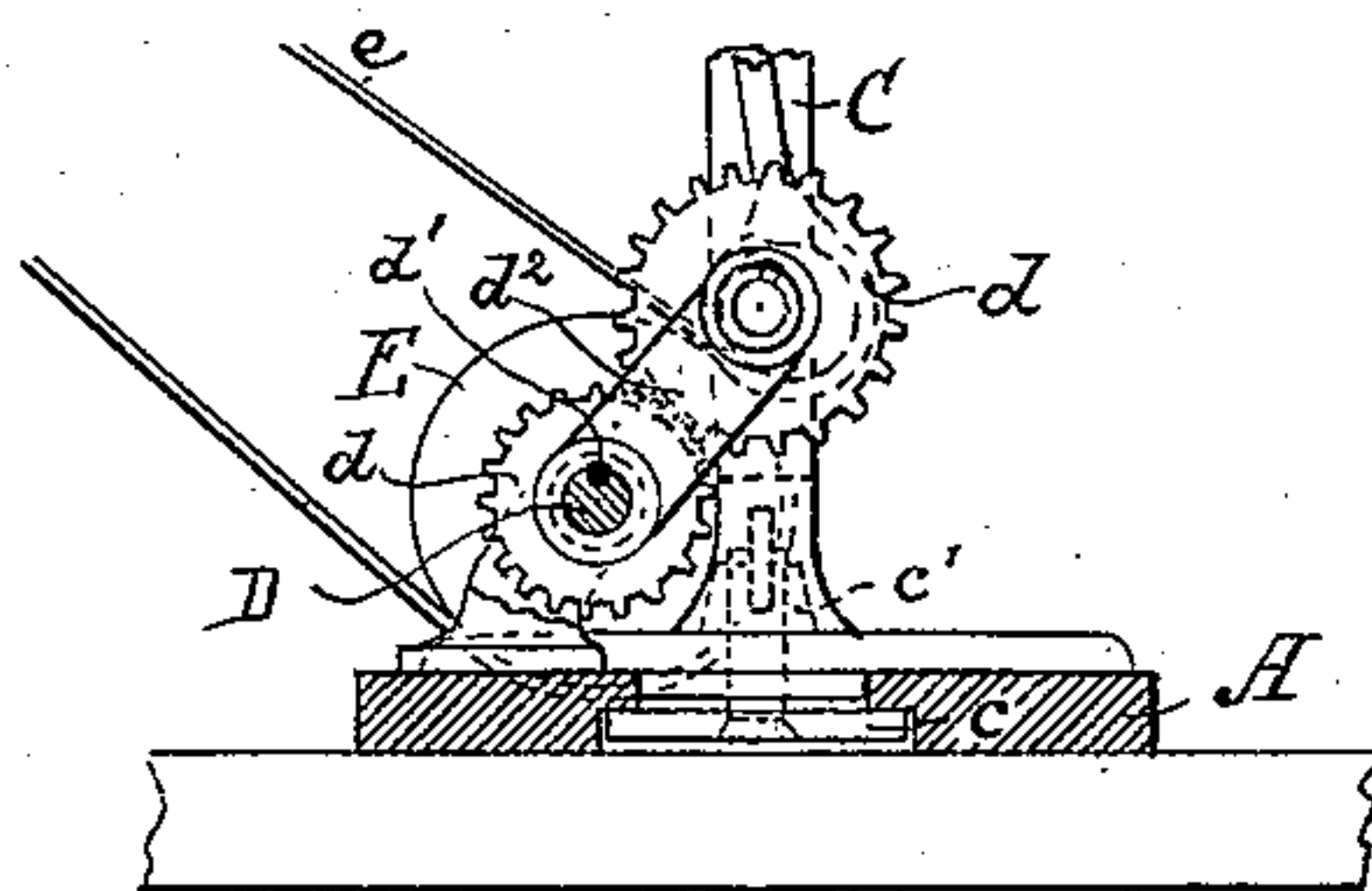


Fig. 2.



Witnesses.

Aloha Kivartap
Francis Broadnet

Inventor:

A. Faulkner
by Charles Raettig
his Atty.

UNITED STATES PATENT OFFICE

ALFRED FAULKNER, OF JERSEY CITY, NEW JERSEY.

SEWING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 322,533, dated July 21, 1885.

Application filed March 21, 1885. (No model.)

To all whom it may concern:

Be it known that I, ALFRED FAULKNER, a citizen of the United States, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Sewing-Machines, of which the following is a specification, reference being had to the accompanying drawings, of which—

10 Figure 1 is a front view of a machine with my improvement. Fig. 2 is an end view of my improvement with part of the sewing mechanism removed.

15 The same letters refer to the same parts throughout.

The object of my invention is to make a machine that will produce ornamented or fancy work of better quality and with greater rapidity than has heretofore been done. To attain this object I combine two machines upon one bed in such a manner that two rows of stitches, or both edges of a piece of stuff, can be sewed at one operation, the machines being so arranged as to be capable of adaptation to different widths of goods or distances between the rows. This I accomplish by means of a bed or frame, A, upon one end of which a machine, B, is secured. Another machine, C, is fitted to the frame A in such a manner that it can be adjusted to any desired distance from the machine B, and secured in such position by means of a clamp, *c*, and screw *c'*.

35 Both of the machines B and C are made to feed in the same direction and with uniform stitch.

40 Uniformity of speed of B and C is secured by means of a shaft, D, which runs in journals or brackets upon the frame A and connects B and C by means of spur-gear *d d*. A spline or feather, *d'*, is provided in the shaft D, which drives the gear of C and at the same time per-

mits it to be slid along on D when adjusting the position of C.

A pulley, E, and belt *e* supplies power to the machine in the usual manner.

4 A link, *d²*, connects the shaft D with each machine B and C, securing the correct center distance of the gear *d d*.

The machines B and C may be of any of the ordinary forms as best suited for the work desired, and present no essentially novel features in themselves, except that they are made right and left—that is, both feeding in one direction when set facing each other, or with the work between them, as shown. This arrangement enables me to sew plaited or doubled fabrics not only twice as fast as can be done on a single machine, but also with a degree of accuracy and neatness otherwise unattainable, for the reason that the danger of displacing one edge of the work by handling after having sewed the other is obviated, and the two edges or rows of stitches correspond, stitch for stitch, throughout. Thus one operator can produce in a given time more work and of better quality than two operators can do upon two single machines.

What I claim is—

In sewing-machines for ornamented or fancy work, the shaft D, having the pulley E, the groove *d'*, gear *d*, and links *d²*, in combination with the machines B and C, constructed and operated substantially as and for the purposes herein shown and set forth.

7 Signed at New York, in the county of New York and State of New York, this 16th day of March, A. D. 1885.

ALFRED FAULKNER.

Witnesses:

ELI W. BROADBENT,
FRANCIS BROADNAX.