

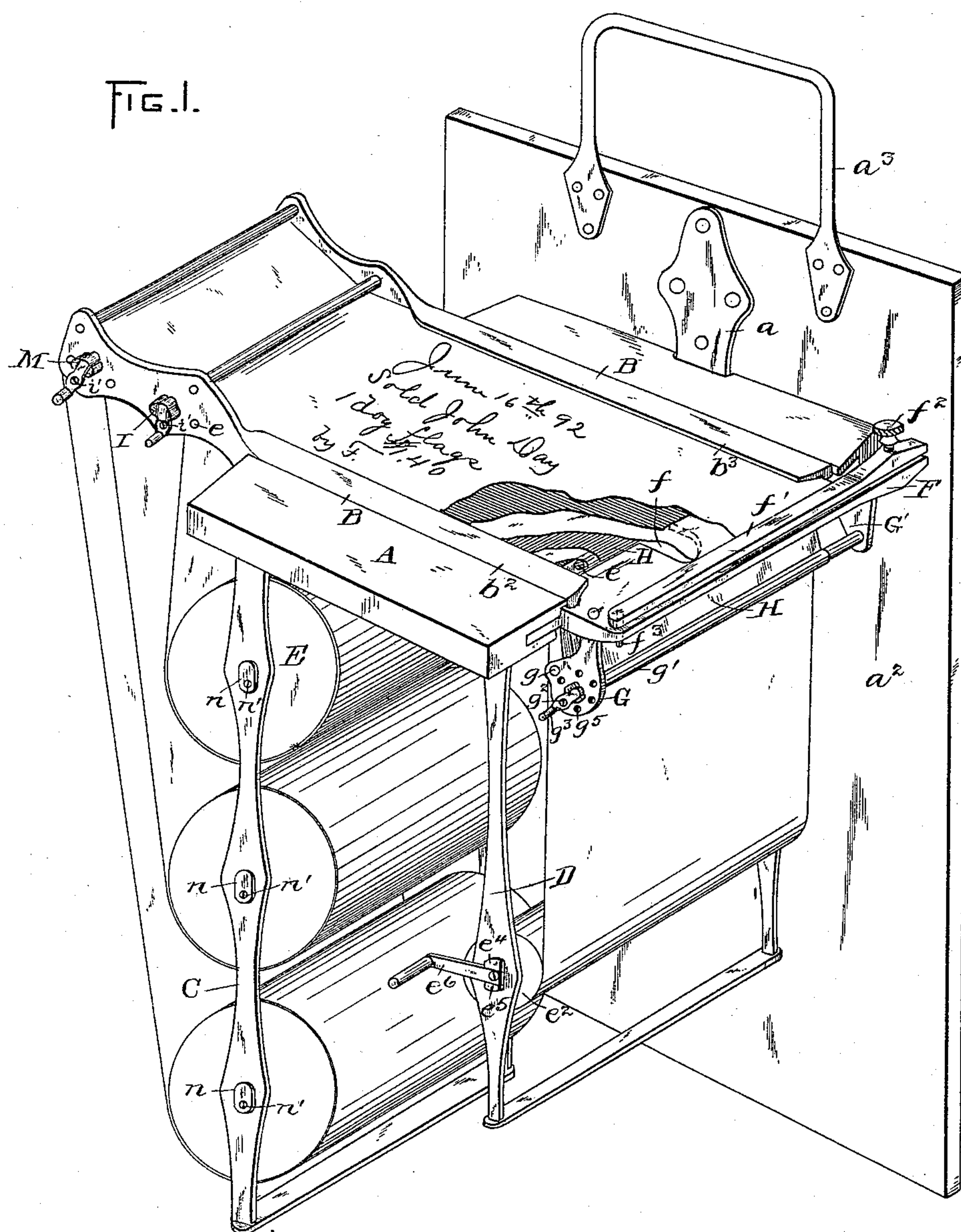
(No Model.)

3 Sheets—Sheet 1.

W. H. GLENNON.
AUTOGRAPHIC REGISTER.

No. 488,004.

Patented Dec. 13, 1892.



WITNESSES

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(No Model.)

3 Sheets—Sheet 2.

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FIG. 2.

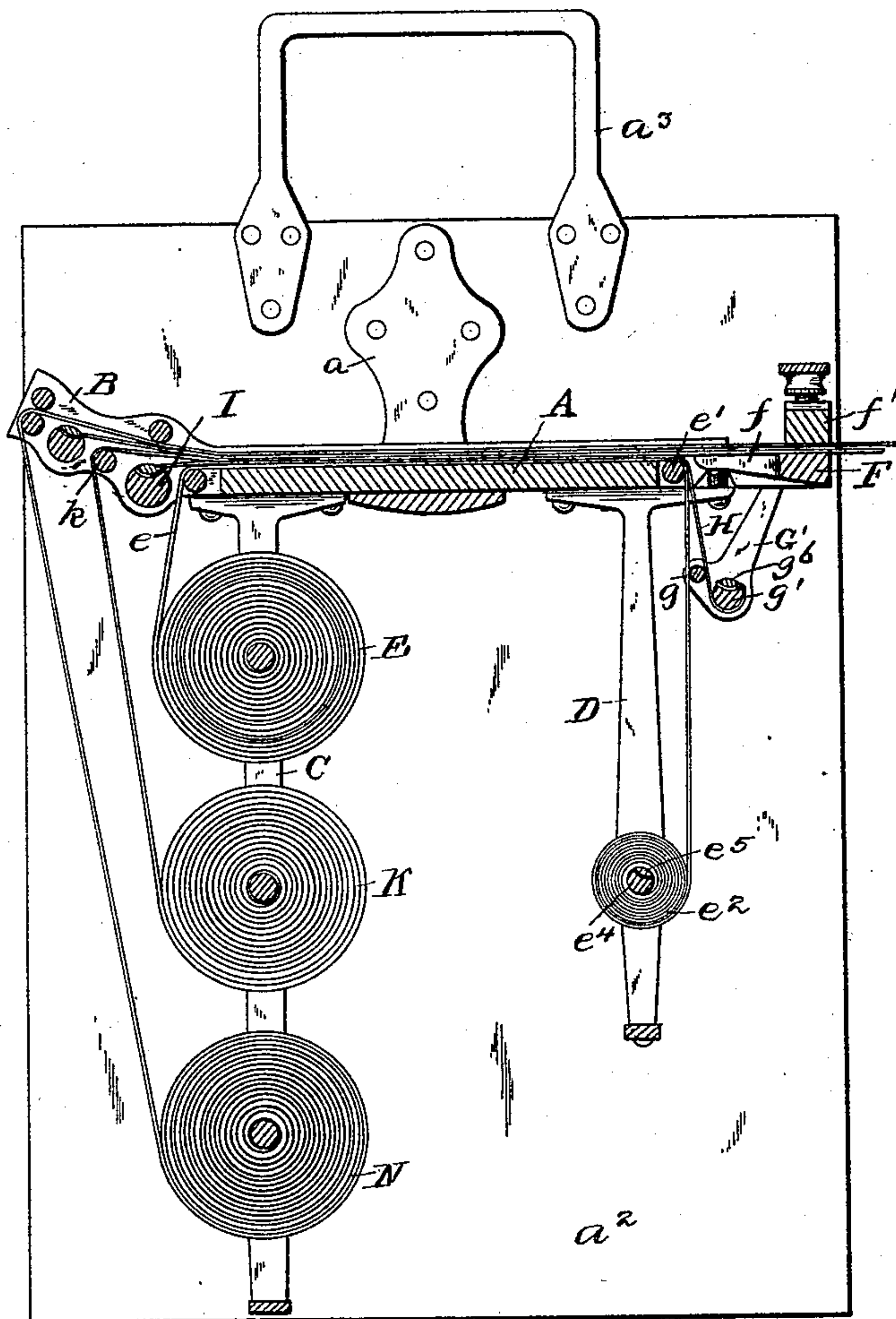


FIG. 6.

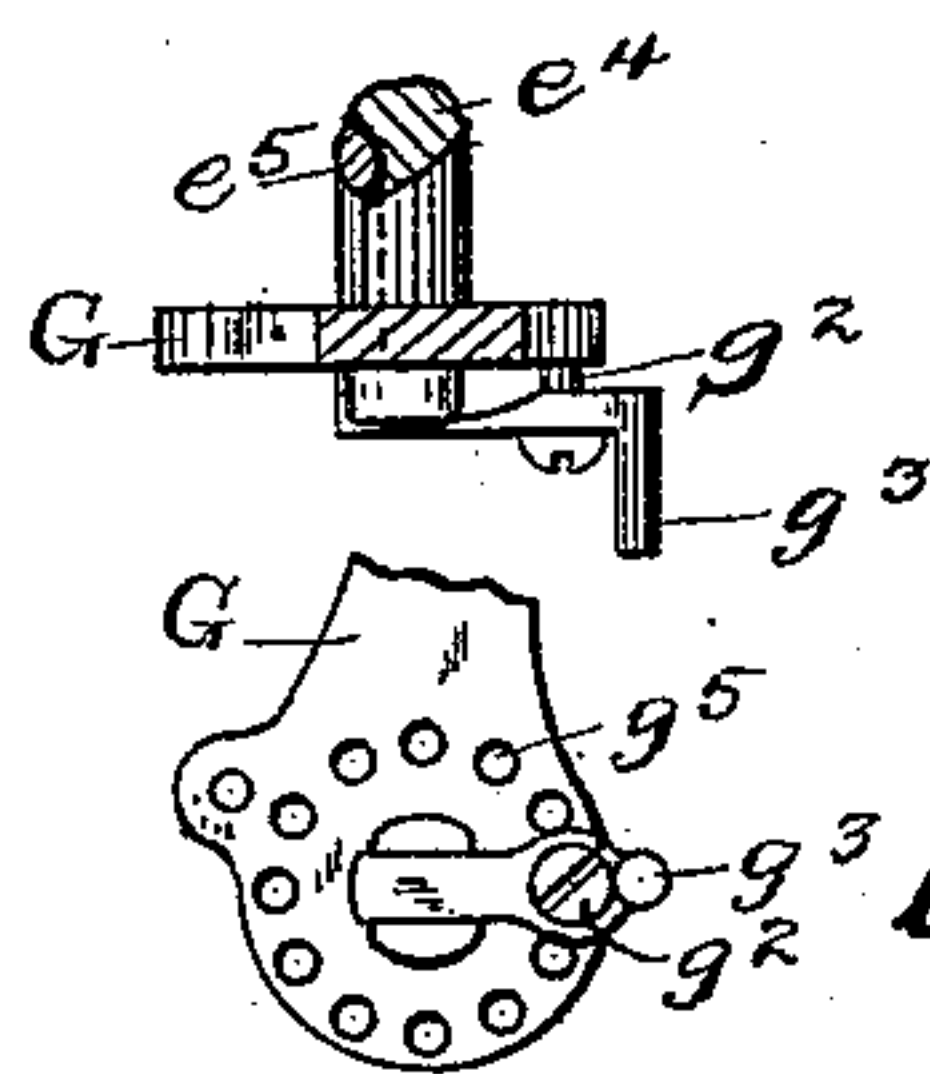
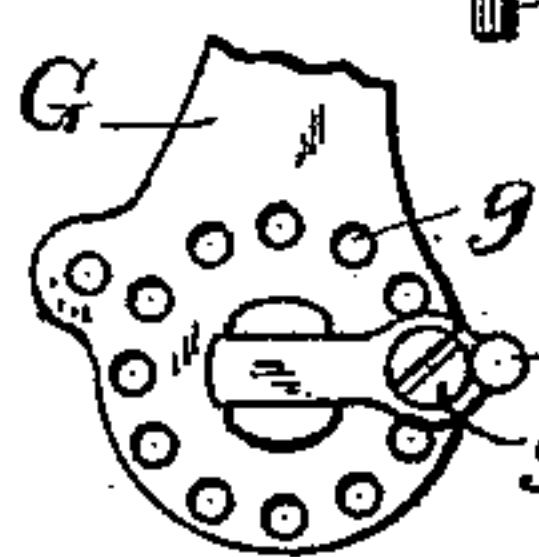


FIG. 7.



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3 Sheets—Sheet 3.

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FIG. 3.

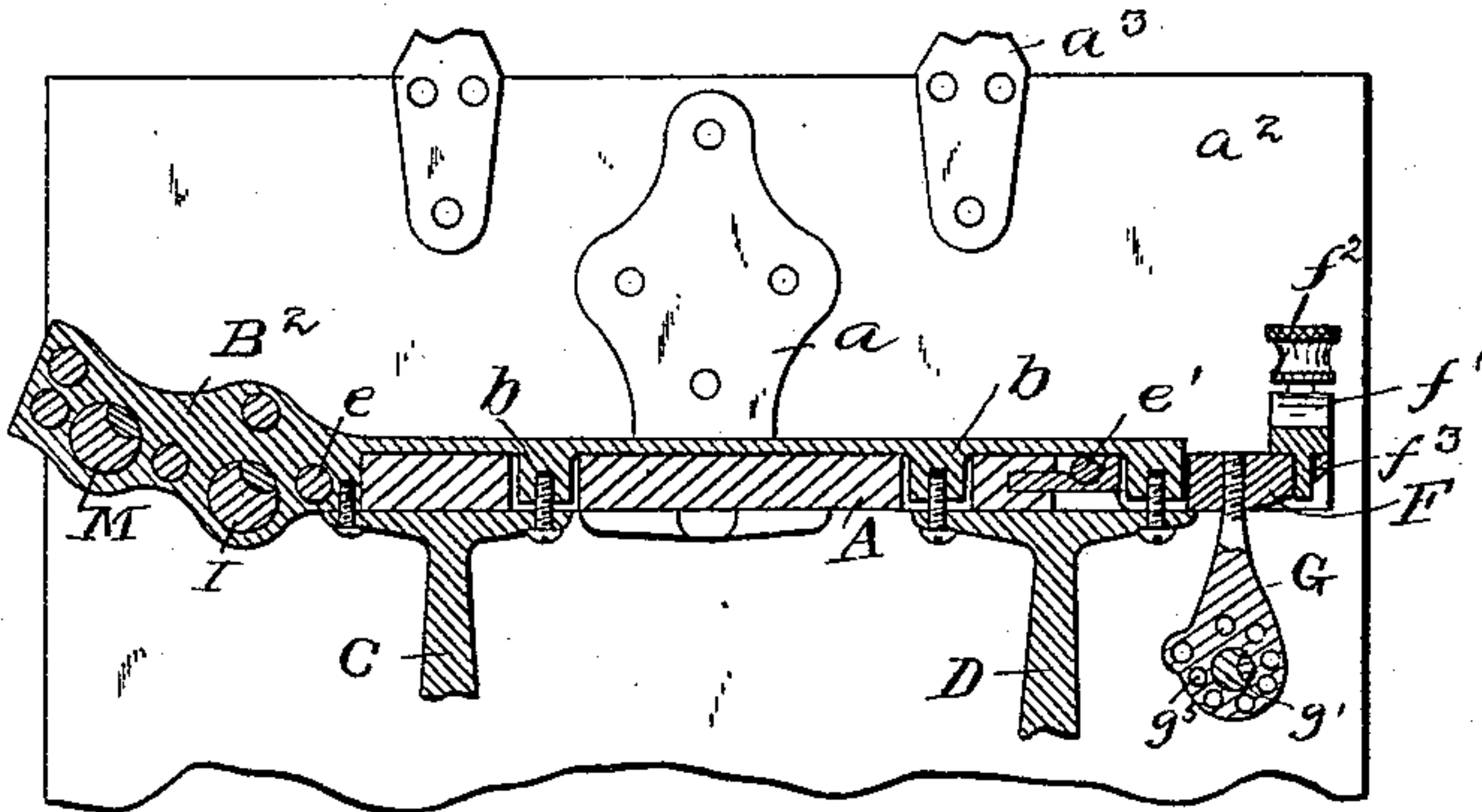


FIG. 4.

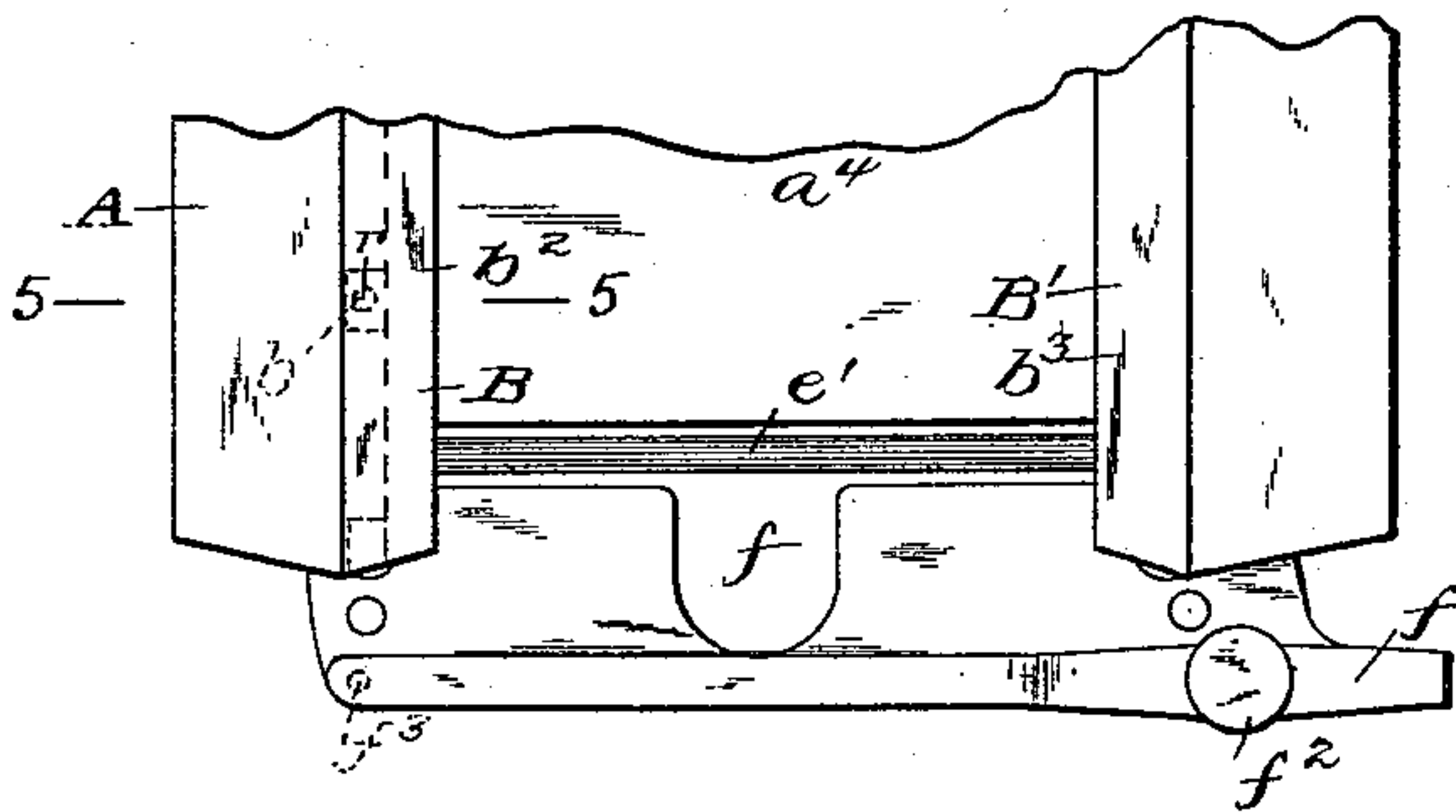
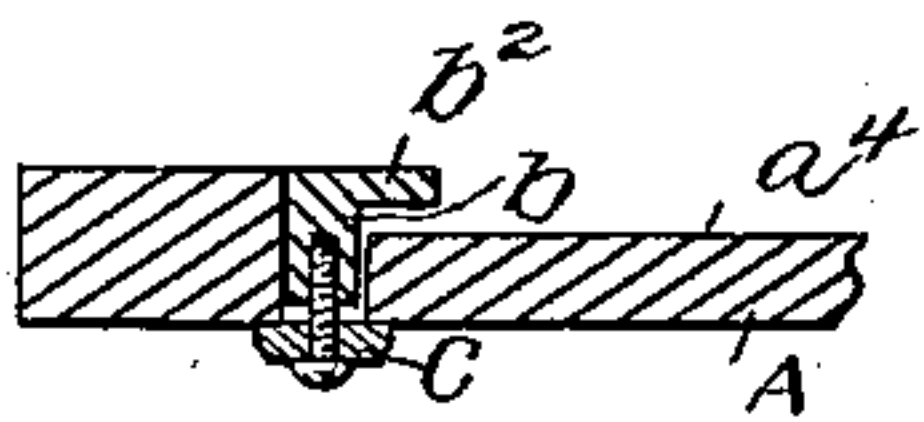


FIG. 5.



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UNITED STATES PATENT OFFICE.

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AUTOGRAPHIC REGISTER.

SPECIFICATION forming part of Letters Patent No. 488,004, dated December 13, 1892.

Application filed July 25, 1892. Serial No. 441,085. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. GLENNON, of Quincy, county of Norfolk, and State of Massachusetts, have invented a new and useful Autograph-Register, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the improved register. Figs. 2 and 3 are sectional views; Fig. 4, a top view of one end of the register with the paper and carbon removed. Fig. 5 is a detail section; Figs. 6 and 7, details of one of the carbon-reels.

My invention relates to that class of register in which a desired number of sheets of paper are fed from a like number of rolls with interposed sheets of carbon over a tablet or bed, so that a required number of copies of an order or memorandum may be made at one writing, and has for its object to produce an apparatus which will combine ease of manipulation with cheapness and durability and possess other advantages, which will appear hereinafter.

In the drawings showing the best form of my invention, A represents a tablet provided with a bracket a , by which the apparatus may be secured to a movable rest, or, if desired, to a board a^2 , provided with a handle a^3 and a suitable cover or lid. The upper face of the tablet is recessed at a^4 to accommodate the paper and carbons, and is perforated to admit lugs b , formed on the under side of guides B B', to which the hangers C D are secured by screws r , hanger C supporting the paper-rolls E K N and hanger D carbon-reel g' .

Guides B B' are provided with overhanging flanges $b^2 b^3$, serving to keep the paper and carbons in place, and are enlarged at the extremities B² to form bearings for the various rolls and reels. In the register shown in the drawings I have provided three sheets of paper and three rolls with two carbons, so that three impressions are taken at one writing, although it will be understood that I may employ any number of rolls and carbons without departing from the spirit of the invention. As before mentioned, the rolls are journaled upon the hanger C, which is secured to the guides B B', so that the rolls are in substantially the same vertical plane. The

paper from roll E is carried over roller e , across the bed, over roller e' , which is journaled in piece F, presently to be described, and around reel e^2 , journaled in hanger D. Reel e^2 comprises a spindle made in two pieces $e^4 e^5$, which fit closely together, and between which the paper is inserted to secure it to the spindle, one of the pieces e^5 having a crank-handle e^6 , so that the roll may be revolved to wind the paper upon it after an impression has been made. Piece F forms a continuation of the tablet, is inserted in a recess therein, and held in place by hanger D when secured upon the studs of the guides B B. Secured in piece F are hangers G G', which support the roller g and reel g' , upon which carbon H is wound. In hanger G are a number of perforations g^5 concentric with the axis of reel g' , which are engaged by screw g^2 on the crank g^3 , so that the reel may be secured at any desired point in its rotation to hold the carbon stationary, the spindle of the reel being divided to clamp the carbon, as in the paper-reel previously described. The other end of the carbon is wound upon a similar reel I, except that there need be but one perforation in the enlarged portion of the guide to engage a screw i' on the crank-handle. In the piece F is an opening f to provide means of grasping the paper to pull it through within reach of the writer, so that the written portion of the paper may be torn from the register. The second paper is fed from roll K over roller k and across the bed. The next sheet of carbon is wound upon reel M, which is similar to reel I, and is interposed between the paper from roll K and the top paper which is supplied from roll N. The spindles upon which the rolls are mounted are bent downwardly at their ends, as at n , and secured to the hanger by screws n' .

Piece F is provided with a clamping-piece f' , having a guiding-pin f^3 , and is raised and lowered by an adjusting-screw f^2 , whose threads engage threads in piece f' , so that the written portion of the paper may be torn from the register after an impression has been made.

The operation of my improved register will now be clearly understood. The papers and carbons having been properly arranged upon the bed and pulled through under clamp f'

by gripping the papers through opening f , an impression is made upon the top sheet. The written portion of the lowest sheet is wound upon reel e^2 , so that a record is preserved.

5 The other two sheets are then pulled out, the clamp tightened, and the written portions torn from the apparatus to be used, as desired, and the register is ready for another impression.

10 The advantages will be obvious. Very few parts are involved in the construction of the apparatus. Owing to the arrangement of the paper-rolls in a vertical plane, the paper is unwound without friction or strain. The carbons are supplied to the tablet in fresh portions, when desired, and are readily secured to or detached from their reels and are held rigidly against creasing by the adjustment of the reels. The parts of the apparatus are

20 secured rigidly together by the simplest means and can be readily taken apart by unskilled persons to change the carbons and papers and is not likely to become deranged in use. The invention possesses numerous

25 other advantages which will be readily appreciated by those skilled in the art to which it relates.

What I claim as my invention is—

1. In an autographic register in which a tablet, a plurality of strips of paper, and manifold- 30
folding material are employed, guides for the paper and manifolding material mounted upon the tablet, reels for the manifolding material journaled in extensions of the guides, 35
paper-dispensing rolls mounted in the same vertical plane below the tablet, a reel for one of the strips of paper, supported below the tablet, an extension of the tablet provided with a reel for one of the sheets of manifold- 40
ing material supported upon the extension, and a clamp for the paper, all substantially as described.

2. In an autographic register, the tablet A, guides B B', carbon-reels M I, hangers C D, studs b , to which said hangers are secured, 45
paper-dispensing rolls E K N, paper-reel e^2 , extension F, provided with opening f and held between guides B B', hanger D, clamp f' , adjusting-nut f^2 , and carbon-reel g' , all substantially as and for the purposes de- 50
scribed.

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