

No. 656,776.

Patented Aug. 28, 1900.

R. H. PRATT.
GAGED FEEDING JOGGER.

(Application filed Oct. 5, 1899.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

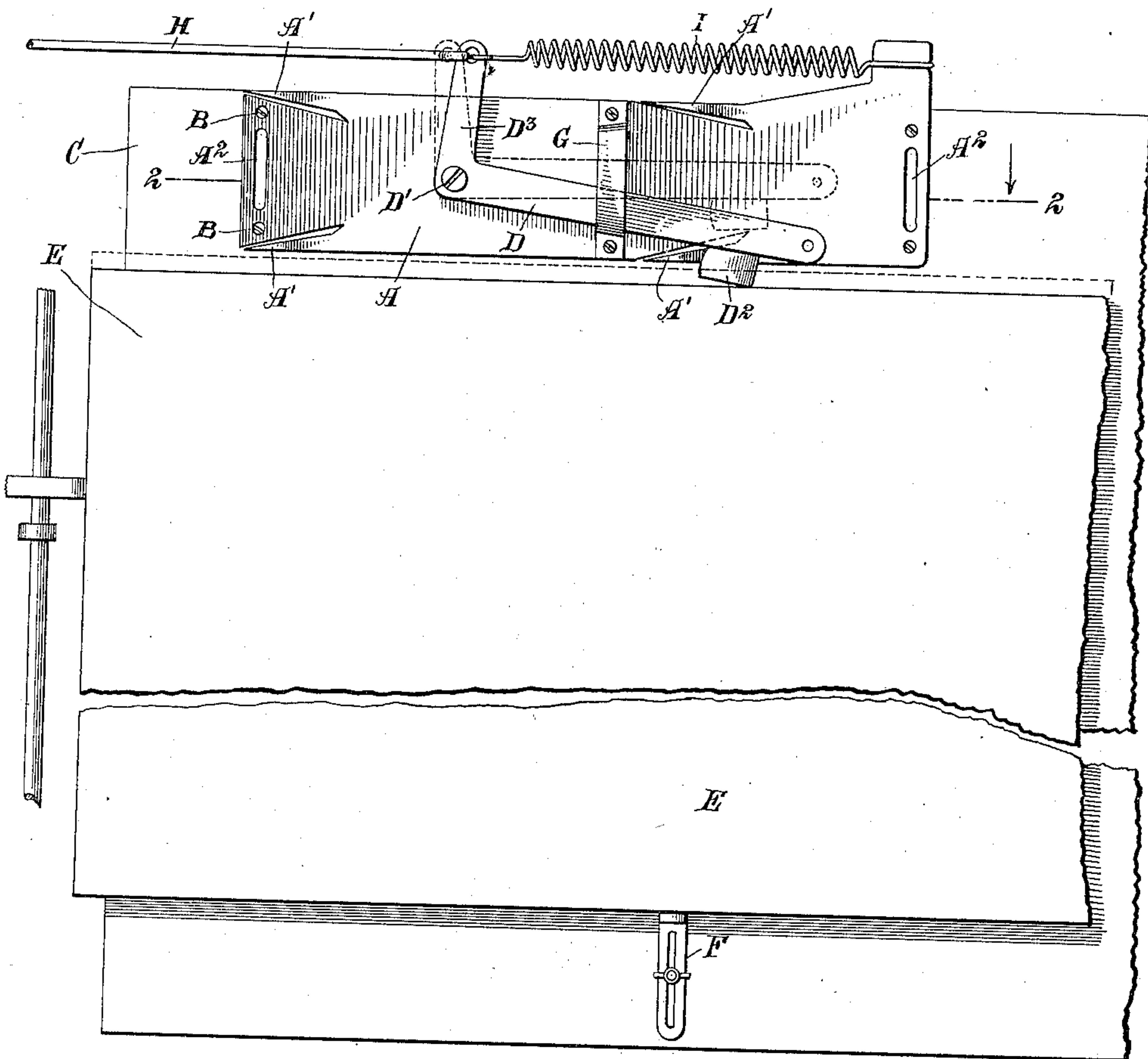
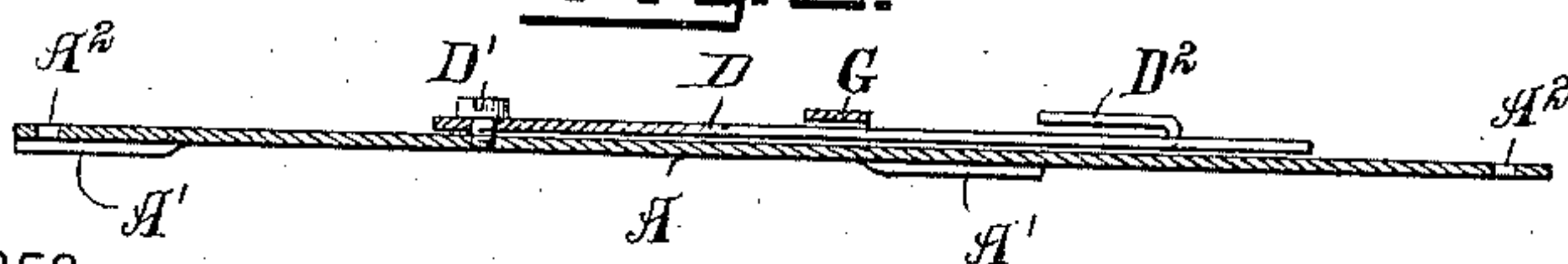


Fig. 2.



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2 Sheets—Sheet 2.

Fig. 3.

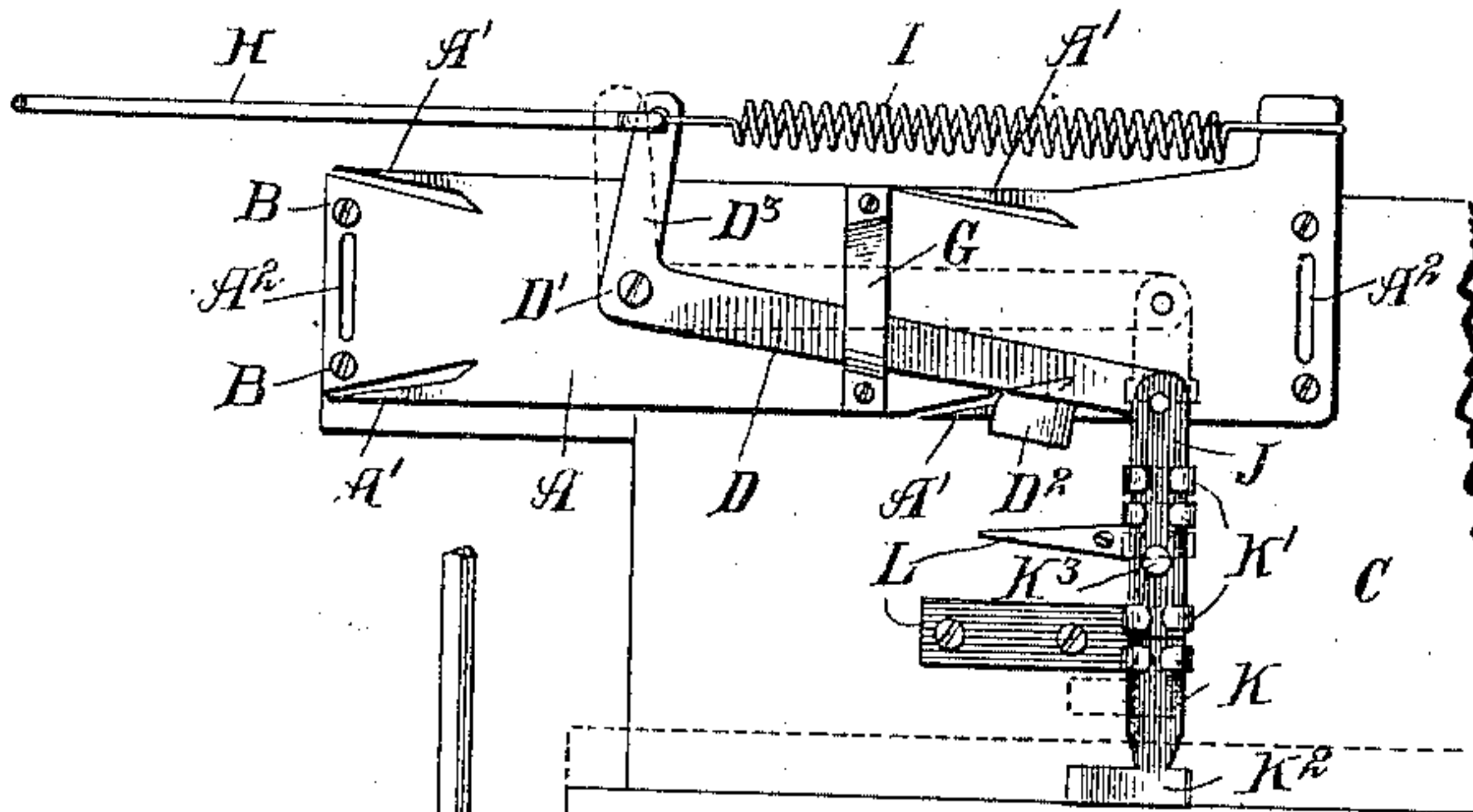
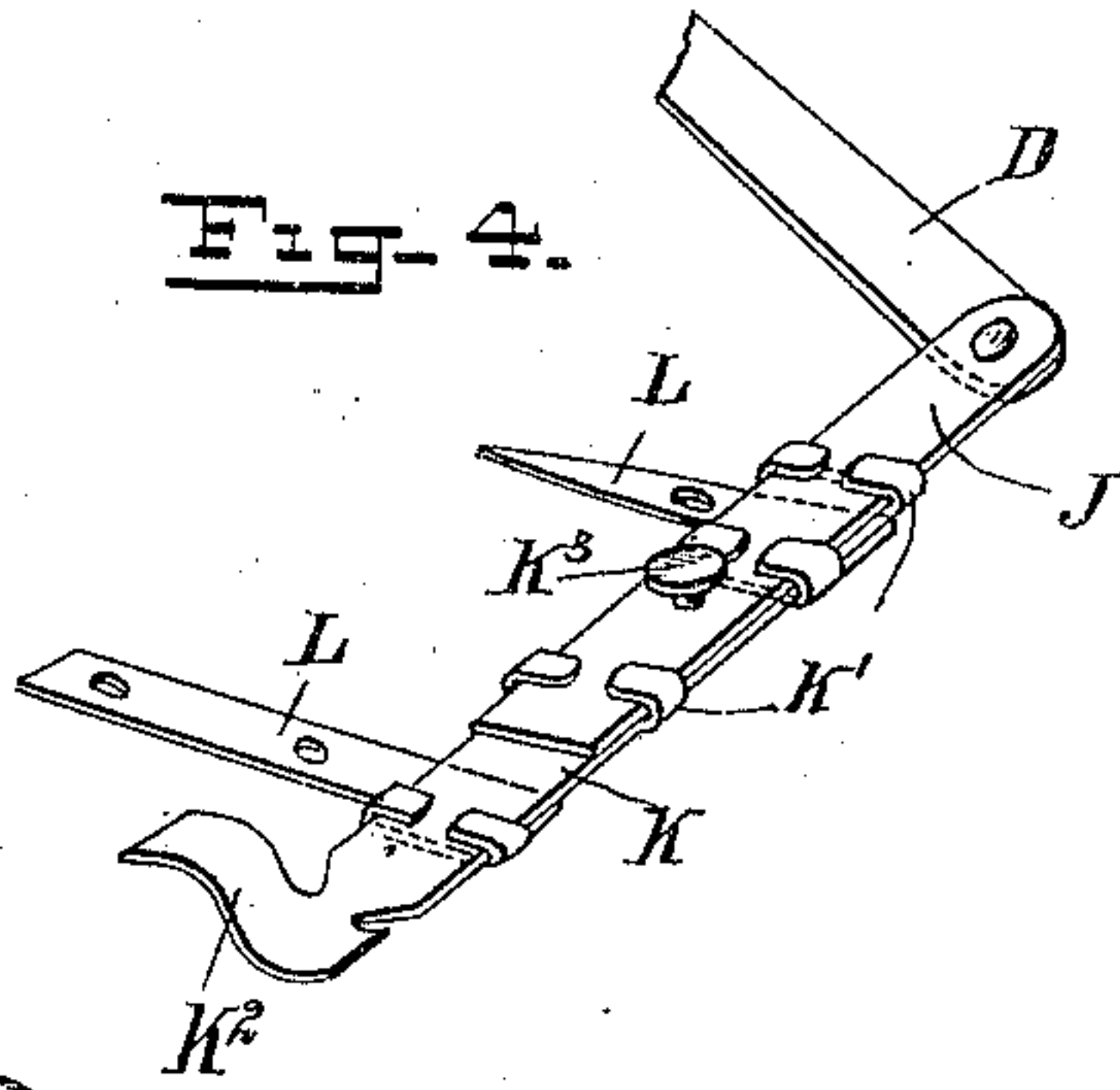


Fig. 4.



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UNITED STATES PATENT OFFICE.

ROSS HOWE PRATT, OF PORTLAND, OREGON.

GAGED FEEDING-JOGGER.

SPECIFICATION forming part of Letters Patent No. 656,776, dated August 28, 1900.

Application filed October 5, 1899. Serial No. 732,628. (No model.)

To all whom it may concern:

Be it known that I, ROSS HOWE PRATT, of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Gaged Feeding-Jogger, of which the following is a full, clear, and exact description.

The invention relates to printing-presses; and its object is to provide a new and improved gaged feeding-jogger which is simple and durable in construction, and more especially designed to secure a perfect register for color-printing or other fine work on one or both sides of a sheet.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of my invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the improvement as applied to the feed-board of a cylinder-press. Fig. 2 is a transverse section of the same on the line 2 2 in Fig. 1. Fig. 3 is a plan view of the improvement with an extension device and as applied to the feed-board of a cylinder-press, and Fig. 4 is an enlarged perspective view of the extension device.

The improved device is mounted on a plate A, adapted to be fastened by screws B to the feed-board C of a cylinder-press; but in case the device is to be used on an ordinary platen-press then it is fastened by pins A', integral with the plate, to the tympan of the platen or by a strap to the platen, the strap passing around the platen and through the slots A², arranged on said plate, as illustrated in the drawings. On the plate A is pivoted at D' a jogger-arm D, formed at its free end with a jogger D², adapted to engage one side of a sheet E, arranged opposite a gage F, adjustably held on the feed-board or platen, as indicated in Figs. 1 and 3. The arm D swings in a guideway G, secured to the top face of the plate A, to limit the inward-swinging motion of the jogger-arm D.

From the pivot end of the jogger-arm D extends an angular arm D³, connected by a cord

or rod H with a gripper-rod or other movable part of the press, so that when the press is in motion a swinging motion is given to the arm D, so as to swing the gage or jogger D² sideways, the return movement being accomplished by a spring I, connected with the arm D³ and attached to the plate A.

By the arrangement described it is evident that when the sheet E is fed by the pressman against the receivers on the cylinder-press or against the gage-pins on the platen-press then the arm D swings inward, so as to move the jogger D² against one side of the sheet to shift the latter transversely and bring the other side against the gage F. Thus it will be seen that the sheets are held in proper position between the jogger D² and the gage F while moving off the feed-board, and in case of a platen-press the sheets are brought in proper position, so that each and every sheet receives the impression at the proper place. Thus the sheet of paper after one side has been printed can be readily printed upon the reverse side in perfect register with the matter already printed on the first side.

It is expressly understood that the jogger-arm D moves in unison with the press—that is to say, moves outward at the proper time to permit the pressman to place the sheet in position and moves inward to bring the sheet to a final adjustment and proper position on the feed-board or platen.

In order to effect adjustment of the plate A on the feed-board or platen when different-sized sheets E are used, I provide an extension device, such as shown in Figs. 3 and 4, and this extension device consists, essentially, of an arm J, secured to the free end of the jogger-arm D, and on which is adjustably held an arm K, having guideways K', in which slides the arm J, the arm K being formed at its lower end with a gage-jogger K², similar to the jogger D². A set-screw K³ serves to secure the two arms K and J together after the desired adjustment is made to bring the jogger K² in proper position relatively to one side of the sheet E. The arm K is mounted to slide transversely in bearings L, secured to the feed-board of the cylinder-press or to the platen of the platen-press, so as to insure proper movement of the extension device

when a swinging motion is given to the jogger-arm D from a movable part of the press and the spring I.

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

1. A press, provided with a jogger-arm mounted to swing, and an extension jogger-arm held on said first-named jogger-arm, substantially as shown and described.

2. The combination with a press having its feed-board or platen provided with a gage for engaging one side of a sheet, of a pivoted angular jogger-arm mounted upon the feed-board or platen opposite the gage and provided at one end with a jogger for engaging the opposite side of the sheet to move said sheet against the said gage, means for automatically moving the jogger outward, and a spring secured to the jogger and to a fixed support for moving the jogger inward, substantially as described.

3. A press, provided with a jogger-arm mounted to swing, and an extension jogger-arm held on said first-named jogger-arm, said extension jogger-arm being made in sections adjustable upon one another, as set forth.

4. A press, provided with a plate, a jogger-arm pivoted thereon, a cord engaging an angular arm on said jogger-arm and connected with a movable part of the press, a spring connected with said angular arm, and a jogger held on the free end of said jogger-arm, substantially as shown and described.

5. A press, provided with a plate, a jogger-arm pivoted thereon, a cord engaging an angular arm on said jogger-arm and connected with a movable part of the press, a spring connected with said angular arm, a jogger held on the free end of said jogger-arm, and a bearing for said jogger-arm on said plate, to limit the movement of the arm, as set forth.

6. A feeding-jogger for printing-presses, comprising a plate adapted to be secured to the feed-board or platen, and a pivoted and spring-pressed angular jogger-arm mounted on the plate and provided at the free end of one of its members with a jogger, the other member of the jogger-arm being adapted to be connected with a movable part of a press, substantially as described.

7. A feeding-jogger for printing-presses, comprising a plate adapted to be secured to the feed-board or platen of a press, an angular jogger-arm pivoted to the said plate and having a jogger on one member, a guideway on the plate in which the member of the arm carrying the jogger works, and a spring secured to the other member of the jogger-arm and to the said plate, the member of the said arm to which the spring is connected being adapted to be connected with a movable part of the press, substantially as described.

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Witnesses:

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