

J. H. CAMPBELL.
NOTE SHEET FEED MECHANISM.
APPLICATION FILED FEB. 28, 1910.

987,697.

Patented Mar. 28, 1911.

Fig. 1.

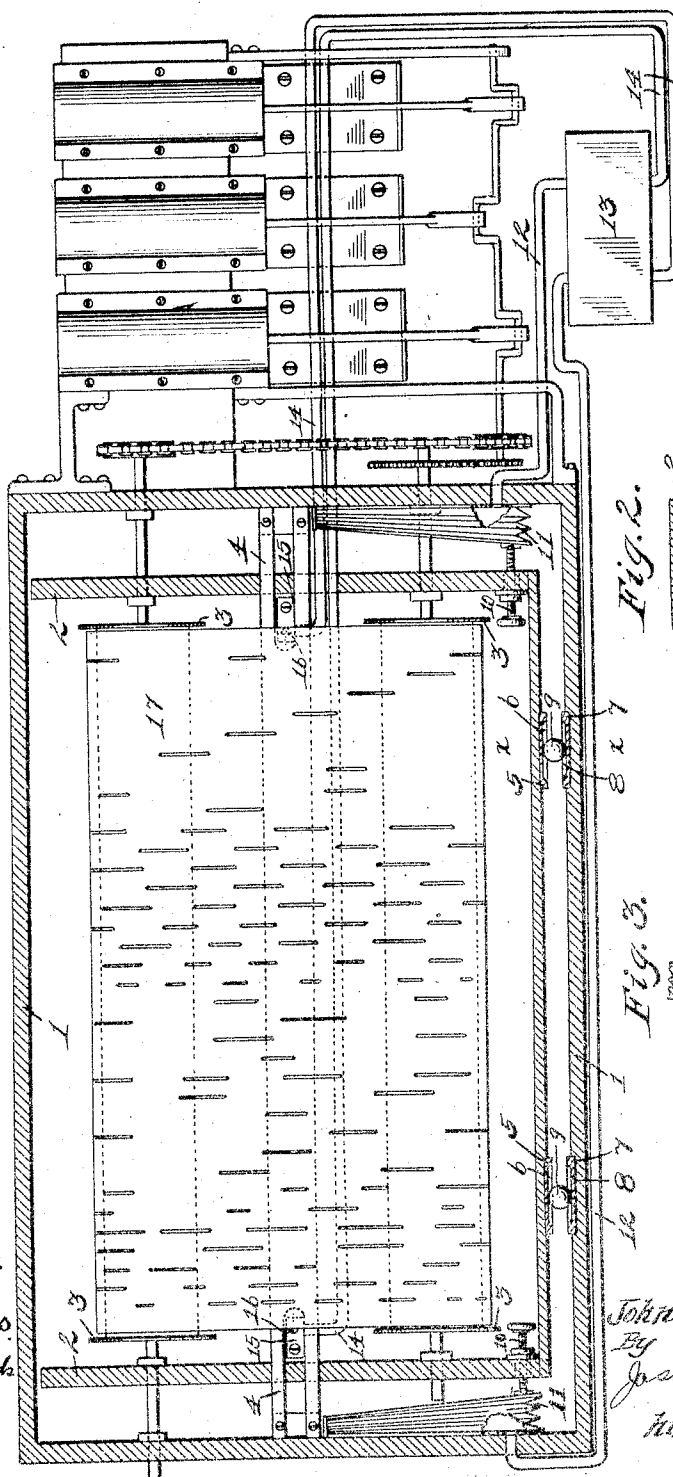


Fig. 2.

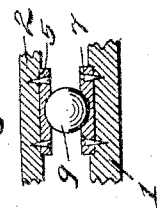
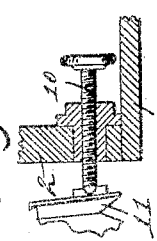


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN HAROLD CAMPBELL, OF OREGON, ILLINOIS, ASSIGNOR TO FREDERICK G. JONES,
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NOTE-SHEET-FEED MECHANISM.

987,697.

Specification of Letters Patent.

Patented Mar. 28, 1911.

Application filed February 28, 1910. Serial No. 546,349.

To all whom it may concern:

Be it known that I, JOHN HAROLD CAMPBELL, a citizen of the United States, residing at Oregon, county of Ogle, and State of Illinois, have invented certain new and useful Improvements in Note-Sheet-Feed Mechanisms, of which the following is a specification.

My invention relates to improvements in note sheet feed mechanisms and has for its object the production of an improved mechanism for this purpose which shall be of simple construction and efficient in operation.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a vertical section of feed mechanism embodying my invention; Fig. 2 is an enlarged section on line $x-x$ of Fig. 1, and Fig. 3 is an enlarged detail of the set screw connection between the note sheet frame and the operating pneumatics.

The preferred form of construction as illustrated in the drawings comprises a suitable roll frame 1 and a note sheet frame 2 mounted to reciprocate longitudinally in frame 1 and carrying note sheet feed rollers 3. The feed rollers 3 are operated by any of the usual or desired mechanisms to pass over a tracker board 4 fixed in frame 1. To the bottom of frame 2 are secured two alining metallic plates 5 having elongated notches 6 therein. Opposed to plates 5 are similar plates 7 secured to the bottom of frame 1 and provided with corresponding notches 8 set parallel with said tracker board and feed rollers. Between plates 5 and 7 and riding in notches 6 and 8 are placed balls 9 which serve to relieve the friction of reciprocation of frame 2 the ends of said notches serving as steps for said balls. At either end frame 2 carries set screws 10 threaded therein and bearing against pneumatic bellows 11. Bellows 11 are connected by means of pipes 12 with a valve chest 13 in turn connected by means of pipes 14 with

blocks 15 secured to said tracker board and provided with apertures 16 set to be just covered by the edges of the note sheet 17 when said note sheet rests in proper alignment upon tracker board 4. Suitable pneumatic connections (not shown) are made with valve chest 13 whereby admission of air to pipes 14 through either of the apertures 16 causes operation of the opposite bellows 11 to shift frame 2 so as to cause proper alinement of note sheet 17 with the tracker board.

While I have illustrated and described the preferred construction for carrying my invention into effect this is capable of variation and modification without departing from the spirit of the invention. I therefore do not wish to be limited to the exact details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

Having described my invention what I claim as new and desire the secure by Letters Patent is:

In a device of the class described, the combination of a main frame; a note sheet roller frame mounted to reciprocate longitudinally in said main frame; a tracker board rigidly secured in said main frame and cooperating with the note sheet roller frame; opposed metallic plates secured to the bottoms of said frames and provided with longitudinally elongated ball retaining notches and having stop ends; balls in said notches; pneumatics secured to and arranged in said main frame at each end of said note sheet roller frame; set screws threaded in said note sheet roller frame and bearing against said pneumatics to position said note sheet roller frame; and automatic means for operating said pneumatics to position said frame, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN HAROLD CAMPBELL.

Witnesses:

G. H. JONES,
C. F. JONES.