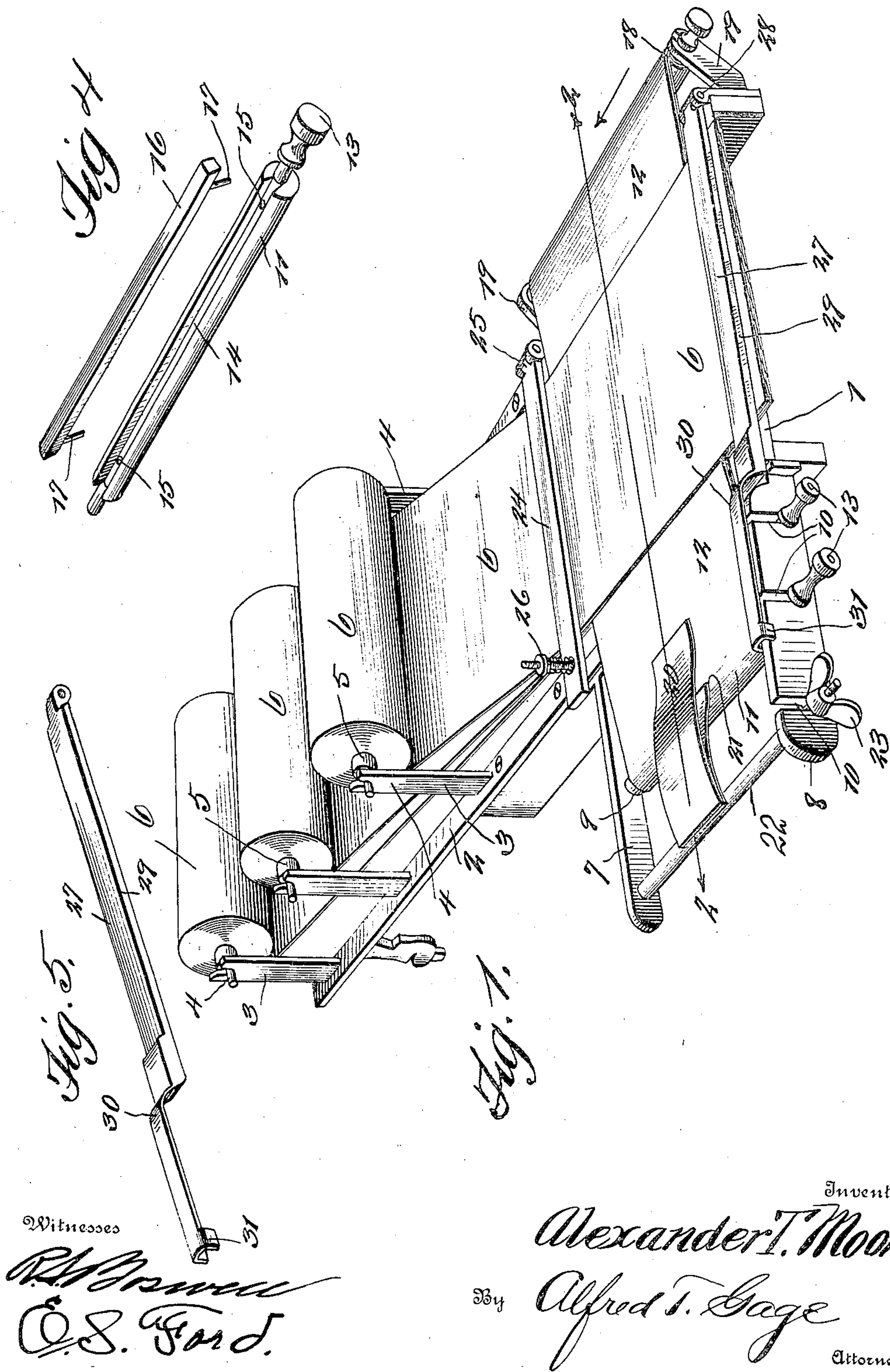


No. 883,900.

PATENTED APR. 7, 1908.

A. T. MOORE.  
MANIFOLDING DEVICE.  
APPLICATION FILED OCT. 26, 1907.

2 SHEETS—SHEET 1.

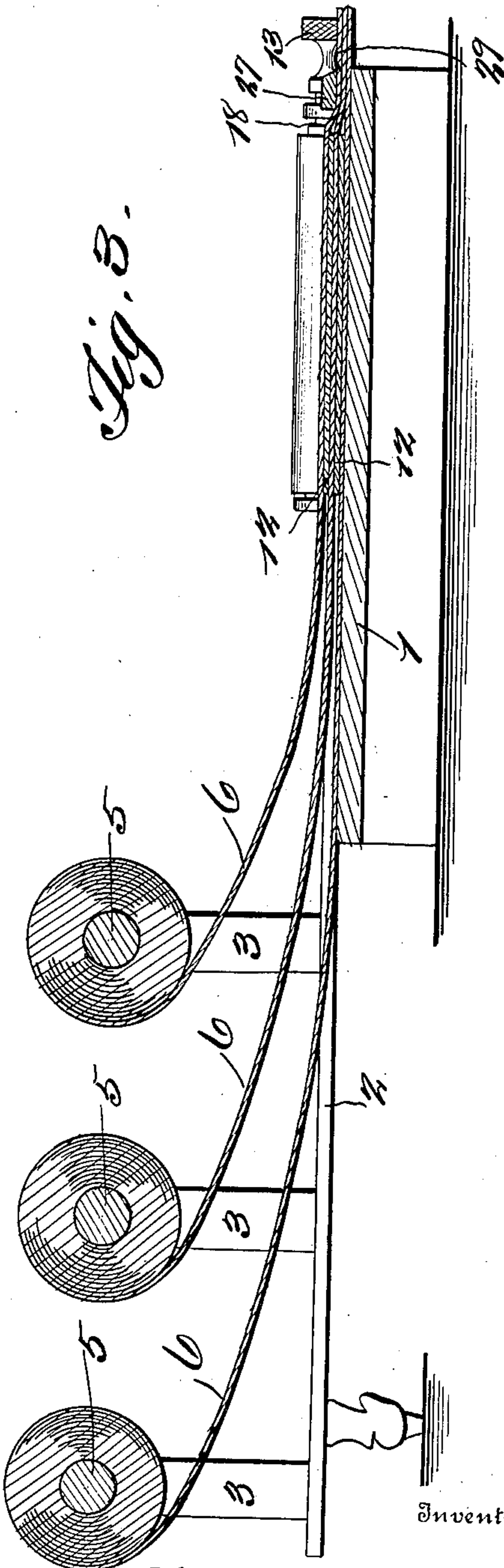
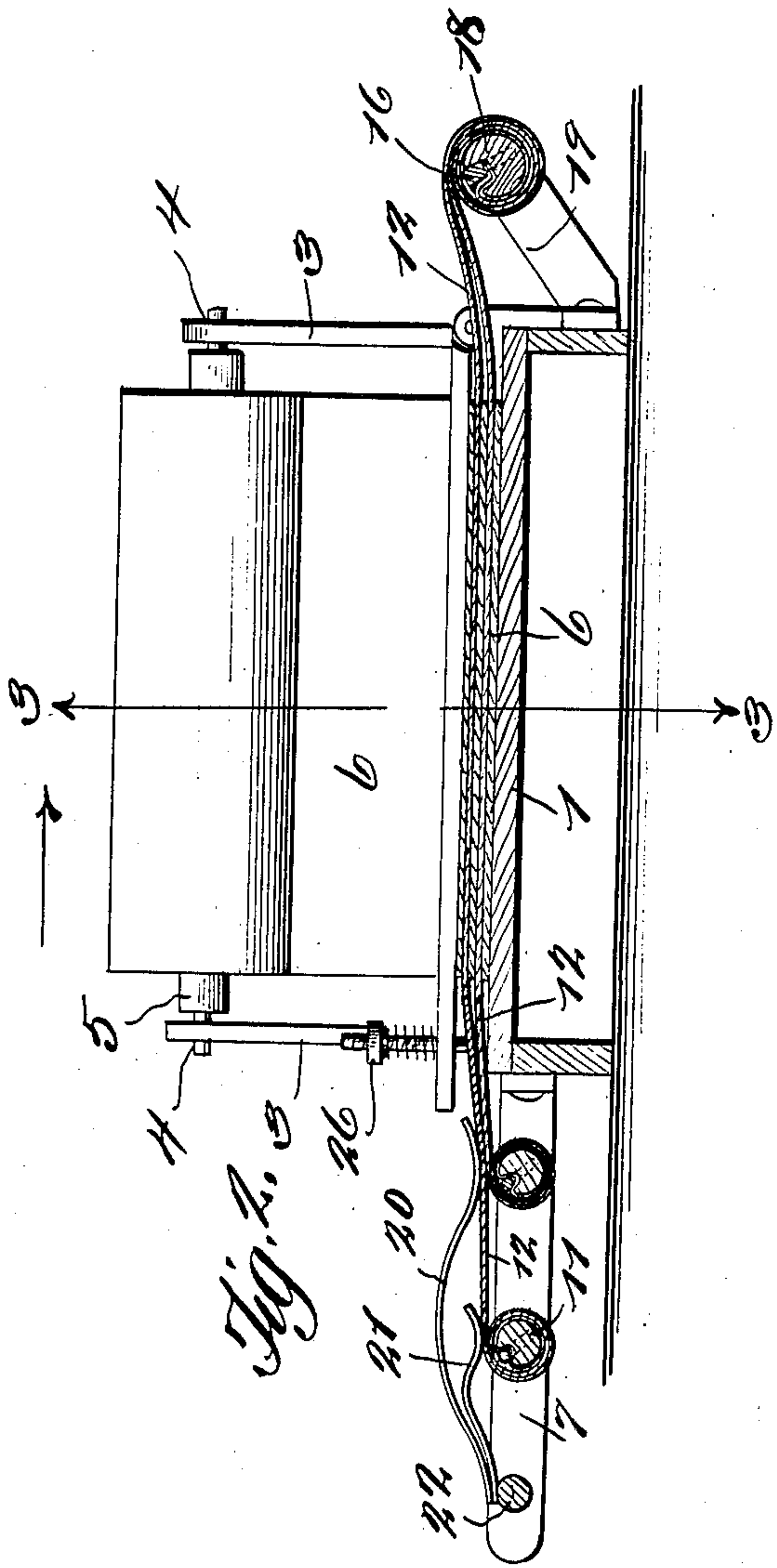


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2 SHEETS—SHEET 2.



Witnesses  
*R. Brown*  
*E. S. Ford*

Inventor  
*Alexander T. Moore*  
By *Alfred T. Gage* Attorney



# UNITED STATES PATENT OFFICE.

ALEXANDER T. MOORE, OF NEW ORLEANS, LOUISIANA.

## MANIFOLDING DEVICE.

No. 883,900.

Specification of Letters Patent.

Patented April 7, 1908.

Application filed October 26, 1907. Serial No. 399,362.

*To all whom it may concern:*

Be it known that I, ALEXANDER T. MOORE, citizen of the United States, residing at New Orleans, parish of Orleans, State of Louisiana, have invented certain new and useful Improvements in Manifolded Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to a manifolded device and particularly to a form thereof having a feed from a continuous web of paper.

15 The invention has for an object to provide a novel and improved construction of the means for mounting the rolls of paper and the rolls of manifolded carbon paper so as to secure the proper feed thereof under tension and to shift the pluralities of the carbon 20 paper layers simultaneously so as to present the desired fresh surface to secure perfect copies of the inscriptions made upon the upper web of the paper.

25 Other and further objects and advantages of the invention will be hereinafter set forth and the advantages thereof defined by the appended claims.

30 In the drawings—Figure 1 is a perspective of the invention; Fig. 2 a section on line 2—2 of Fig. 1; Fig. 3 a section on the line 3—3 of Fig. 2; Fig. 4 a detail perspective of one of the rolls, and Fig. 5 is a similar view of the cutter.

35 Like numerals refer to like parts in the several figures of the drawings.

40 The numeral 1 indicates the base board of the device which may be of any desired material or configuration and forms the supporting surface upon which the inscription may be made. This base is provided at one end with attached plates 2 at each side having vertical standards 3 thereon each formed with a bearing socket 4 at the top thereof. In these sockets a plurality of rolls 5 are 45 mounted and each has wound thereon a continuous sheet or web 6 of paper to receive the inscription or the copy thereof made in the device.

50 Extended laterally from the base 1 are parallel plates 7 and 8 the former having therein bearing sockets 9 and the latter bearing slots 10 adapted to removably support the rolls 11 upon which the sheet or web of carbon paper 12 is wound. These rolls are each formed with handles 13 and with a longitudinal slot 14 having recesses 15 in its

base at the opposite ends thereof. Within this slot the retaining strip 16 is disposed to secure the end of the paper to the roll. The strip is held against displacement by the pins 17 which enter the recesses in the base of the slot, as shown in Fig. 4. 60

The shifting of the carbon paper is effected and the waste thereof collected upon the roll 18, similar to the roll 11 and mounted in the brackets 19 at the opposite side of the base from the carbon rolls 11. The rolls are held under tension by means of a flat spring 20 and a similar spring 21 carried by the under face of spring 20. These springs are secured 65 to the pivoted rod 22 mounted in plates 7 and 8 and bear upon the periphery of the paper wound upon the rolls 11. In order to adjust the tension of these springs one end of the rod 22 is threaded and a thumb nut 23 70 mounted thereon to engage the outer face of one of the supporting plates. 75

The sheets or webs of the inscription and carbon papers are interposed as usual and held in smooth and proper position by the holding bar 24 pivoted to the base at its end 25. This bar may if desired be supplied with a removable tension device 26 at its free end to maintain and adjust the proper pressure thereon. At the opposite side of the carbon sheet a cutter 27 is pivoted to the base at 28 and has a knife edge 29. This cutter is provided at its free end with a spring finger hold 30 having a depending guide 31 embracing the upper edge of the plate 8. 80 85 90

In the operation of the invention when the holding bar and cutter are raised both the inscription and carbon papers may be readily inserted in position and the plurality of carbon webs connected to the waste roll so as to be shifted thereby under tension of the springs bearing on the carbon paper. After each inscription upon the top sheet of the inscription paper the several webs thereof may be drawn across the carbon and one or more thereof severed by tearing against the knife edge of the cutter. The cutter may be raised in order to grasp the extended end of the inscription paper for drawing it from the roll simultaneously to present a fresh writing surface. The invention therefore presents a simple, efficient and economical form of manifolded device wherein a web of paper may be used and a plurality of copies secured while the carbon paper may be readily shifted as required. The construction of the roll for the carbon permits the connection of 100 105 110



the paper therewith without soiling the hands and insures a firm feeding hold on the roll. The springs maintain the necessary tension on the carbon paper feed to prevent wrinkling thereof and secure a smooth feed of the several webs simultaneously between the inscription webs. The use of the waste roll shifts and collects the carbon paper so that there are no free ends thereof to contact with the sleeve of the user of the device. The spring finger hold upon the cutter permits a varying and yielding tension so that one or more webs may be held for severing the used ends thereof.

Having described my invention and set forth its merits what I claim and desire to secure by Letters Patent is—

1. In a manifolding device, a base having a plurality of paper rolls rotatably mounted thereon, lateral extensions at one side of said base provided with a plurality of bearings therein, carbon paper rolls in said bearings disposed at an angle to the paper rolls, and a tension device mounted in said brackets to act upon the carbon paper rolls.

2. In a manifolding device, a base having a plurality of paper rolls rotatably mounted thereon, lateral extensions at one side of said base provided with a plurality of bearings therein, carbon paper rolls in said bearings disposed at an angle to the paper rolls, and a single waste roll parallel with the carbon paper rolls and at the opposite side of said base therefrom to receive and simultaneously feed from the plurality of carbon paper rolls.

3. In a manifolding device, a base having a plurality of paper rolls rotatably mounted thereon, a lateral extension at one end of said base, a plurality of carbon paper rolls pivoted in said extension, a waste roll connected to the carbon webs at the opposite side of the base from said extension, a pivoted holding bar at one side of the carbon web, and a cutter bar pivoted at the opposite side thereof.

4. In a manifolding device, a base having a plurality of paper rolls rotatably mounted

thereon, a lateral extension at one end of the base, a plurality of carbon paper rolls pivoted on said extension, a waste roll connected to the carbon webs at one side of the base, and a cutter pivoted to the base at one end and having a spring finger hold at its free end.

5. In a manifolding device, a base having a plurality of paper rolls rotatably mounted thereon, a lateral extension at one side of said base, a plurality of carbon paper rolls pivoted in said extension, and an adjustable rod pivoted upon the extension and having a plurality of springs to engage the carbon paper rolls.

6. In a manifolding device, a base board having pivoting posts at its opposite sides, paper rolls mounted in said posts with superposed webs extended over said board, extension plates disposed laterally from one end of the board, carbon paper rolls pivoted therein, a tension device bearing upon the periphery of said carbon rolls, a waste roll parallel with one side of the board to receive the ends of all carbon webs, and holding and cutter bars at opposite sides of the carbon web.

7. In a manifolding device, a base, a web carrying roll pivotally mounted thereon and provided with a longitudinal slot having recesses in its base at opposite ends, and a retaining strip disposed in said slot and having angularly disposed pins to enter said recesses.

8. In a manifolding device, a frame having a web carrying roll pivoted therein, a rod pivoted in said frame parallel with the axis of said roll, a screw head at one end of said rod to engage said frame, and a tension spring extended from said rod to engage the periphery of said roll.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER T. MOORE.

Witnesses:

EDWIN N. SEYMOUR,  
H. BENTON.