No. 880,033. PATENTED FEB. 25, 1908.

A. MUGLER.

MACHINE FOR MAKING BOOK COVERS.

APPLICATION FILED JULY 12, 1907.

4 SHEETS—SHEET 1.

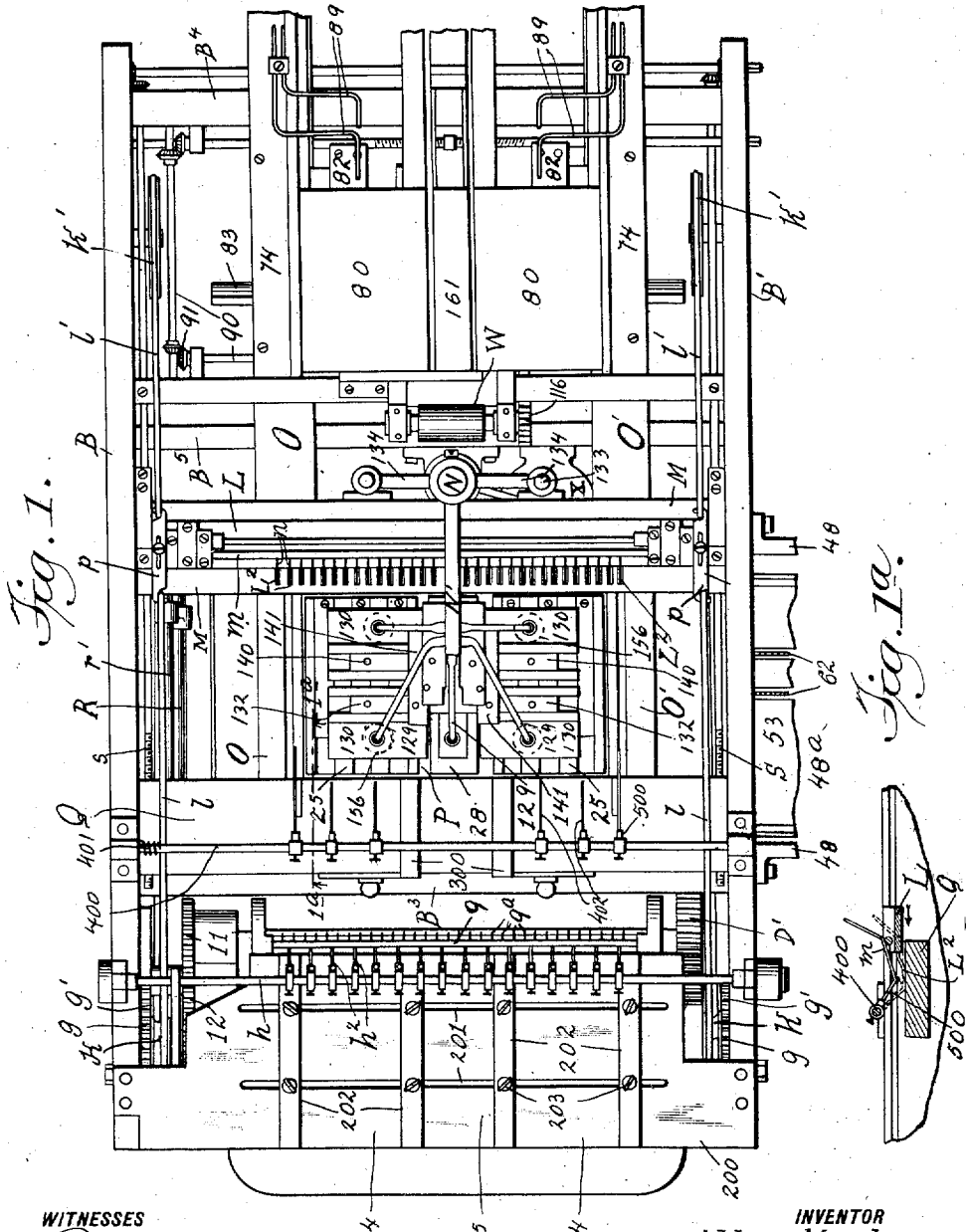


Fig. 1.

Fig. 1a.

WITNESSES

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A. Wilderspin.

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4 SHEETS—SHEET 2.

Fig. 2.

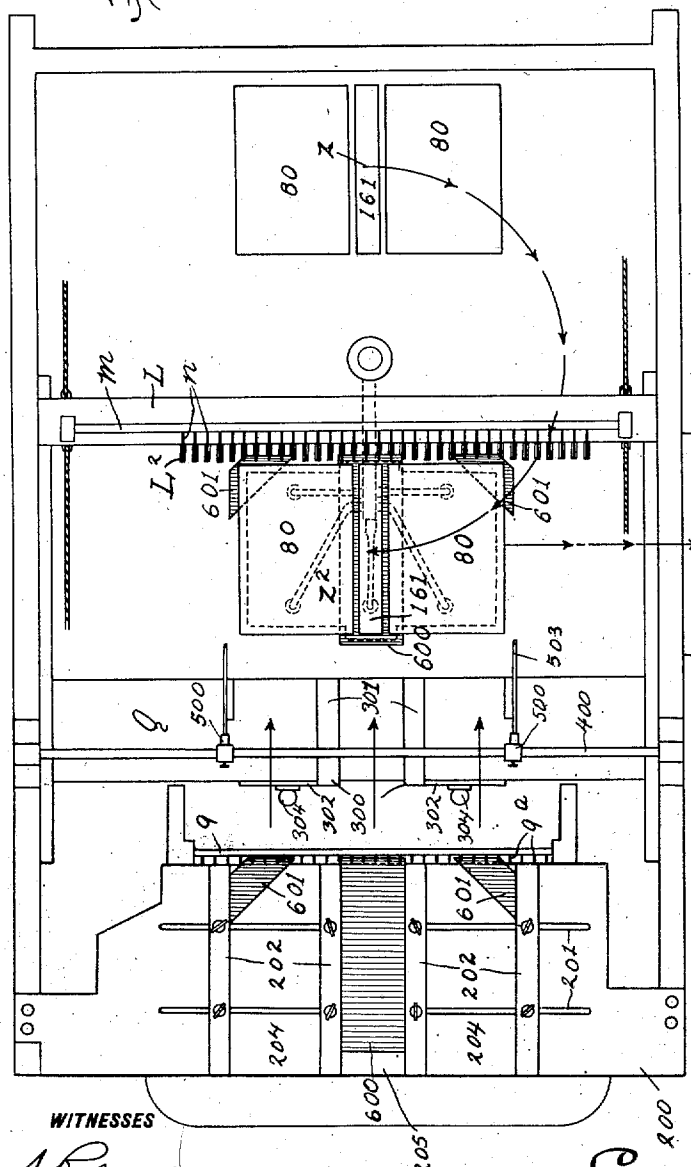
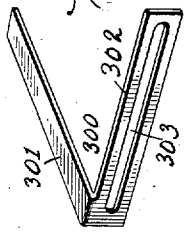


Fig. 6.



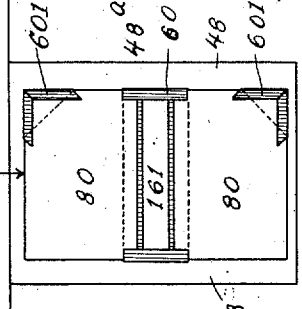
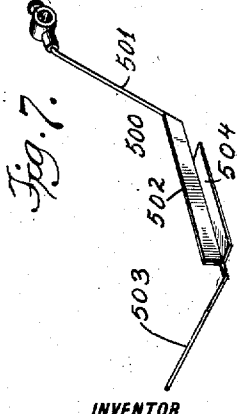


Fig. 7.



WITNESSES

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4 SHEETS—SHEET 3.

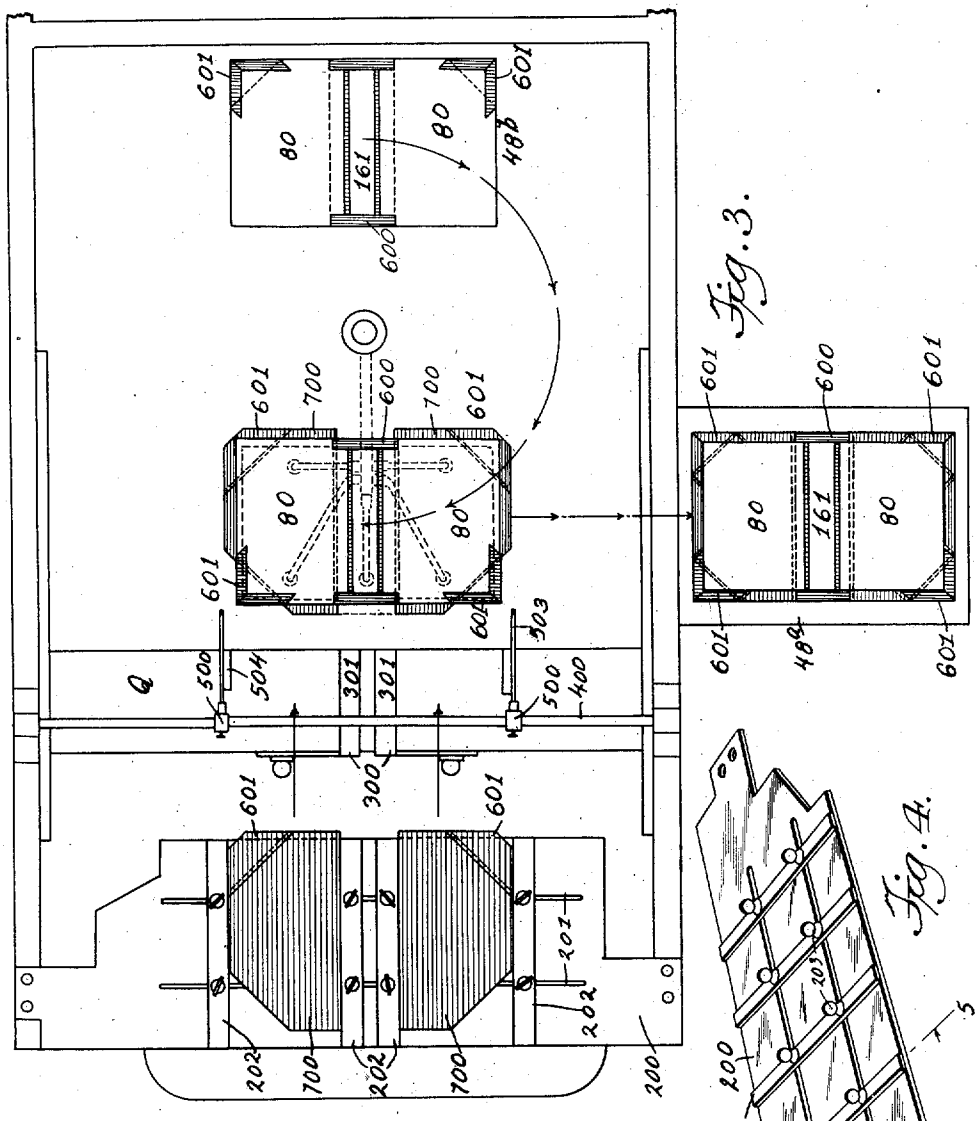
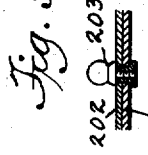


Fig. 3.

Fig. 4.

Fig. 5.



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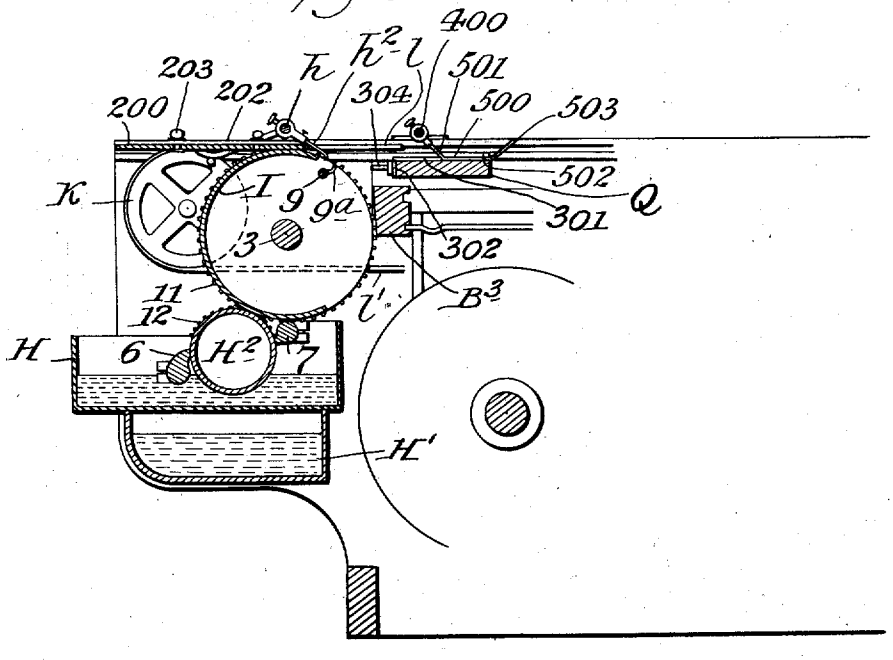
A. MUGLER.

MACHINE FOR MAKING BOOK COVERS.

APPLICATION FILED JULY 12, 1907.

4 SHEETS—SHEET 4.

Fig. 8.



WITNESSES

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UNITED STATES PATENT OFFICE.

ALBERT MUGLER, OF BROOKLYN, NEW YORK.

MACHINE FOR MAKING BOOK-COVERS.

No. 880,033. Specification of Letters Patent. Patented Feb. 25, 1908.

Application filed July 12, 1907. Serial No. 383,400.

To all whom it may concern:

Be it known that I, ALBERT MUGLER, a citizen of the United States, and residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Machines for Making Book-Covers, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to machines for making book covers and particularly to certain forms of machines of this class now in use; and the object thereof is to provide improvements on machines of this class which will render the operation of the same, in certain classes of work such as quarter bound and half bound covers of leather or cloth, more exact, more economical, and which will also facilitate the operation or manipulation of the machine and result in a great saving of time, labor and expense.

In the drawing forming part of this specification, I have shown my improvements applied to the book binding machine shown and described in U. S. Letters Patent No. 580,111 dated April 6, 1097, and in said drawing, I have only shown such parts of the original machine as are necessary to show the construction, application and operation of my improvements.

My invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvements are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a partial plan view of all the front portion of the machine for making book covers shown and described in U. S. Letters Patent hereinbefore referred to, only such parts of the original machine being shown as are necessary to show my improvements and the application and operation or use thereof; Fig. 1^a is a section on the line 1^a—1^a of Fig. 1; Fig. 2 a diagrammatic view similar to Fig. 1 but showing only the main outlines of the original machine together with a few of its parts and showing my improvements and the method of using the same; Fig. 3 a view similar to Fig. 2 but showing my improvements and the method of operation more in detail; Fig. 4 a perspective view of a gage plate or table which I employ and which constitutes one of the features of my invention; Fig. 5 a section on the line 5—5 of Fig. 4; Fig. 6 a perspective view of another gage device two of which I employ; Fig. 7 a similar view of a guide arm used in connection with the gage device shown in Fig. 6, and two of which are employed; and Fig. 8 a sectional side view of the front end portion of the machine with my improvement applied thereto.

In the following specification, all the parts of the original machine shown and described in the patent hereinbefore referred to that are shown in this application are given the same reference characters that they are given in said patent, in order that a reference to said patent will fully explain the construction and operation of said parts, and it will be understood that in order to comprehend and fully understand the construction and operation of the machine to which my improvements are applied and the construction and operation of my improvements, a knowledge of the machine described and claimed in said patent will be necessary.

The machine shown in the drawing is provided with a strong substantial frame having top side members B B′ and transverse members by which the sides of the same are connected, and the said machine is provided with stationary transverse frame members B^3, near the front, B^5 midway thereof, and B^4 in the rear end portion thereof, and arranged over the transverse frame member B^3 is the front folder plate or bar Q movable longitudinally of the machine, and forwardly of the transverse frame member or bar B^5 is the transverse stationary folder plate or bar M and between the folder plates or bars Q and M are the side folder bars O and O′ arranged parallel and longitudinally of the machine and extending forward to the frame bar B^3 and backwardly, and the side folder bars O and O′ are provided with backwardly directed extensions 74, all of these parts being the same and being given the same reference characters as in the patent hereinbefore referred to.

Over the front part of the machine, the left hand end of the machine in Fig. 1 being considered the front, is placed the gage shaft h provided with the gage fingers h^2, and rearwardly of the gage shaft h is placed the gripper shaft 9 having gripper fingers 9^a, and the gripper fingers 9^a of the shaft 9 operate on the cloth segment or cylinder I as fully shown

and described in the patent hereinbefore referred to. At the opposite sides of the front end of the machine are the belt wheels K, and in the rear end portion thereof are the belt wheels K′, and mounted on these wheels are belts *l* and *l′* connected by bars *p* which are connected with a transverse plate or bar L having forwardly directed gripper fingers L^2 and over the plate or bar L is a transverse gripper shaft *m* having forwardly directed gripper fingers *n* which operate in connection with the fingers L^2, all of these parts being the same as in the patent referred to. Rearwardly of the gripper shaft *m* and over the plate or bar L is a transverse shaft *o′* which serves, in the operation of the machine, to operate the gripper shaft *m*.

I have also shown in Fig. 1 of the drawing the gearing *g*, *g′*, 11 and 12 and the gearing D^3, *g* and *g′* and the segmental rack D′, all as shown in the patent hereinbefore referred to, said gearing being for the purpose of operating the cloth segment or cylinder, the glue cylinder H^2 and the cloth carrier L, *m* and *o″*.

Between the folder plate or bar Q and the cloth carrier is placed the platform P which is vertically movable and spring-supported and which comprises two side members having forwardly and backwardly ranging bars 25 and a central backwardly and forwardly ranging member 28, and in connection with which the picker operates. The picker comprises the arm N′ mounted on the vertically arranged shaft N and provided with hollow flexible arms 129 which are connected with the picker block which comprises transverse members 130, with which the arms 129 are connected and other transverse members 132 and 140, and forwardly and backwardly ranging members 141, and the members 130 of the picker are provided with suction cups indicated in dotted lines at 156. The rear end of the picker arm N′ is provided with a head through which the picker shaft N passes and said head is provided with side arms 134 mounted on supports or pins 133 connected with the stationary folder plate or bar M, all these parts being the same as in said patent.

Under one of the arms 134 is the pump X which operates in connection with the suction cups 156, and rearwardly of the picker shaft N is the feed roller W provided with a gear 116 and beneath which is a corresponding feed roller, not shown in the drawing, and these rollers serve to feed the back lining paper from the position as shown at 161.

At the rear end portion of the machine, or the right hand end portion as shown in Fig. 1, I have shown the shaft 83 and the wire fingers 89 connected with the feed board guards 82 and with the transverse frame member B^4, also the shafts 90 and gears 91 and the shafts R and *r′*; and I have also shown at the right of Fig. 1 a part of the finishing press comprising the frame members 48 and interior parts 53 and saws 62, all these parts being the same as in the patent referred to.

In Fig. 1 of the drawing, I have shown at 80 two of the side boards of a book cover and at 161 a strip of back lining paper, said side boards and strip of back lining paper being in position to be picked up by the picker and moved into position on the platform P in the operation of the machine as hereinafter described.

In practice, the strip of back lining paper from which the back lining strip 161 is cut, is mounted on a roll beneath the rear end portion of the machine as shown in the patent referred to, and this strip is fed between roller W and a similar roller mounted thereunder, and a strip thereof is cut off and deposited in the position shown in Fig. 1 of the drawing in this case. The board magazine from which the side boards 80 of the book cover are taken is not shown in the accompanying drawing, but is located at the rear end of the machine and immediately rearwardly of the transverse bar B^4 of the frame, all as shown and described in the patent hereinbefore referred to.

In this operation, the picker block carried by the picker arm N^2 and branch arms 129 is swung around over the boards 80 and back lining 161, and said picker block is moved downwardly onto said boards and back lining, and at the same time the back lining strip 161 is cut off. The boards and back lining strip are then lifted by the picker or picker block and swung around over the platform P. As herein stated, this machine is primarily intended for use in making what are known as half bound and quarter bound book covers, and during the above described operation, the fabric or leather covering for the side boards 80 and the fabric or leather back by which the side boards are connected have been fed back from the front of the machine into position over the platform P, and in this operation, the said fabric or leather side coverings and the back have been glued. The platform is now raised to receive and support the said glued fabric or leather coverings and back, and the picker is lowered and deposits the cover boards and back lining upon the glued fabric or leather side covers and back and applies pressure to the same as the platform is forced downward, and the top and bottom edges of the fabric are turned, and the "nickers-in" act, and the platform is forced down still farther, and the right and left hand edges of the fabric or leather are folded over and pressed firmly down on the boards, and as the picker is relieved, it rises and is swung around, and the cover is deposited on the finishing press 48^a at the right of the machine and composed of the parts

48, 53 and 62. All this operation together with the construction by which it is effected being clearly set out and described in the patent hereinbefore referred to.

Fig. 8 of the drawing is a sectional side view of the front end portion of the machine constructed as shown and described in the patent referred to and with my improvement applied thereto; and this view shows the cloth segment or cylinder I, its shaft 3, the glue cylinder H^2, the glue scrapers 6 and 7 operating in connection therewith, the glue tank H, and the hot-water tank H′ for heating the glue in the glue tank, all these parts being the same as in the patent referred to.

My invention comprises separate gages, regulating devices and guides for controlling or managing the leather, cloth or other fabric covers for the side boards and corners of the side boards of a book cover and also the back part of the cover as said side boards, corners and backs are fed into the machine in order to be applied to the boards which form the sides of the book cover, and these I will now describe.

In the practice of my invention, I provide a gage plate 200 which is placed directly over the cloth feeding segment or cylinder, and over the gluing roller and glue pan, and secured to the side frame members B and B′, and the said plate is provided with longitudinal slots 201 and transversely arranged gages 202, four of which are employed, and the said gages are adjustable longitudinally of the plate 200, and the said plate and gages and details of their construction are clearly shown in Figs. 4 and 5, and the adjustment of the gages 202 on the plate 200 is effected by means of thumb screw adjusting devices 203, and the said gages form on the plate a transverse or forwardly and backwardly ranging spaces 204 and a central similar or narrower space 205. I also provide two L-shaped guides 300 which are secured to the front folder bar Q, and which comprises two arms 301 and 302 arranged at right angles to each other and one of which is in a plane at right angles to the other, and the arm 302 is provided with a longitudinal slot 303 through which is passed a set screw or similar device 304, and when the said L-shaped guides 300 are secured to the folder bar Q the arms 301 thereof range transversely of said folder bar and forwardly and backwardly of the machine.

Ranging transversely of the machine and directly over the folder bar Q is a rod 400, and this rod is rotatably mounted in the opposite side frame members B and B′ and is held in its normal position by a spring 401, and said rod is provided with backwardly directed cloth guides 402 comprising spring fingers connected with said rod 400, but the rod 400 and the spring finger guides 402 form no part of my invention, but as a part of my invention, I connect with the rod 400 right and left guide arms 500 which range transversely of the folder bar Q and longitudinally of the machine, and which comprise a downwardly directed member 501, a horizontal member 502 and an upwardly directed member 503, and the horizontal part or member 502 of each guide arm consists of a vertically ranging plate provided at the bottom with an inwardly directed flange 504.

In Figs. 2 and 3, I have indicated diagrammatically the operation of my improvements in what is known as half binding, and at 600 I have shown a leather or fabric back member for a book cover and at 601 I have shown the corner members of the cover used in what are known as half-binding, and, in practice, the fabric or leather corner portions 601 and the fabric or leather back portion 600 of the cover are placed in the spaces 204 and 205 on the gage plate 200. The gages 202 are exactly regulated to the desired position and the said parts or portions 601 and 600 of the book cover are moved back into the position shown in Fig. 2 where their position is gaged by the fingers h^2 of the gage shaft h, and in this position the said parts of the cover are acted on by the gripper shaft 9 and fingers 9^a thereof, said shafts being shown in Fig. 1, and the said parts of the cover are carried around the cloth feeding segment or cylinder in which operation they are glued by the glue cylinder as shown and described in said patent. At this time the cloth carrier comprising the bar L and gripper shaft m provided respectively with the fingers L^2 and n is moved forwardly over the folder bar Q and up to the gripper shaft 9 and the parts 600 and 601 of the book cover are engaged by the fingers L^2 and n of the bar L and shaft m which operation is automatic. The cloth carrier L—m then moves backwardly and the parts 600 and 601 of the bookcover are moved backwardly over the folder bar Q, the part 600, or back member of the book cover moving between the gages 300 and the parts 601 also have been moved back over the folder bar Q and said parts 600 and 601 of the book cover are deposited on the platform P as indicated diagrammatically in Fig. 2. At this time the picker which has been previously swung into the position indicated at z in Fig. 2 picks up the side boards 80 and the back lining 161, and said picker is swung into the position indicated at z^2 in said figure, and the side boards 80 and back lining 161 are deposited on the two corner members 601 of the book cover, and on the back member 600 as clearly indicated in Fig. 2, and as the operation of depressing the platform P and picker as hereinbefore described is carried out, the corner parts 601 of the book cover and the ends of the back part 600 are folded over the boards 80 and the partially completed book cover is deposited on the finishing press 48^a

at the right of the machine as clearly shown in Fig. 2. A large number of covers are first partially finished in the manner herein described and deposited on the finishing press from which they are removed and replaced in the board magazine, at the rear end of the machine from which they are fed forward into the position shown at 48^b in Fig. 3 and as fully described in the patent hereinbefore referred to.

The side cloths or fabrics for the book cover boards which are indicated at 700 in Fig. 3 and a large number of which are prepared are then placed in position on the guide plate 200 and between the side pairs of gages 202, the middle pair of gages 202 being adjusted as shown in said figure. At this time the other corner fabrics or leathers 601 with which the side boards of the book cover are provided are adjusted to and glued on the main side portions 700 of the fabric or leather cover as clearly shown in Fig. 3, and the gluing of the corner parts 601 to the main side portions 700 of the fabric or other cover is done by hand, and when these parts have been connected and adjusted as shown in Fig. 3, they are brought into connection with the gage shaft *h* and gripper shaft 9 as hereinbefore described and are fed around the feed segment or cylinder, not shown in this drawing, and during which operation one side thereof is glued, and at the end of this operation, the cloth carrier L—*m* moves forwardly and the fingers L^2 and *n* engage the connected parts 700 and 601 and said parts are moved back onto the platform P as hereinbefore described and as clearly shown and described in the patent referred to. At this time a partially completed cover, comprising the side boards 80, the back 600 with the lining 161 and two of the corner members 601 connected therewith is taken up by the picker and turned into position over the platform P and the picker is deposited on the platform and the partially completed cover forced downwardly onto the side members 700 of the fabric or leather cover for the boards 80, and the other corner members 601, and the end and side edges of the part 700 and 601 connected therewith are folded over and the book cover completed and deposited at the right of the machine on the finishing press 48^a as shown in Fig. 3. In this last operation, as the fabric or leather side portions 700 and the fabric or leather corner members 601 of the book cover are moved backwardly by the cloth carrier L—*m* as hereinbefore described, the guide arms 500 guide the fabric or leather members 700 and 601 backwardly and hold them in connection with the gages 300 or the arms 301 thereof, and insure the deposit of the parts 700 and 601 connected therewith on the platform in proper position as hereinbefore described, and in this operation the outer edges of the fabric or leather member 700 and 601 connected therewith pass over the flanges 504 of the guides 500 and the said outer edges of the fabric or other portions 700 and 601 are thus guided and held in proper position during the backward movement of the cloth carrier L—*m* as hereinbefore described.

In the forward movement of the cloth carrier L—*m* as herein described the shaft *m* passes under the guide arms 500 as indicated in Fig. 1^a, and said cloth carrier L—*m* passes between the shaft 400 and the folder bar Q, and in this operation the guide arms 500 are raised and the shaft 400 turns against the operation of the spring 401. In the backward movement of the cloth carrier L—*m* this operation is reversed, and in the normal position of the shaft 400 and guide arms 500, the said guide arms rest on the folder bar Q.

It will also be observed that the plate 200 serves as a feed table and in practice the various materials used in making book cases or covers are placed thereon and adjusted thereon and are fed therefrom forwardly into position to be operated upon by the fingers h^2 on the shaft *h* and the gripping fingers on the shaft or rod 9, and this, as will be understood, facilitates the operation of the machine in this respect and renders the same more accurate and exact.

It will be understood that all of the herein described operations of this machine are exactly the same as in the operation of the machine described in said patent, but by means of my improvements consisting of the gage plate 200 the transversely adjustable gages 202 mounted thereon, and guides 300 on the folder bar Q and the guide arms 500 connected with the shaft 400, I provide for a more exact operation of the machine and a more perfect manipulation of the flexible covers for the side boards of the book cover and for a more perfect and exact placing thereof on the platform P, whereby there is practically no loss of material, and no faulty or defective book covers produced, and consequently no waste in time or of material, and whereby a great saving in the manufacture of book covers is produced. My improvements also facilitate the production of book covers at a less expense than heretofore and at a great saving of labor.

In making what are known as full covers of leather or other material, the gage plate 200 with the left hand gage 202 thereon is employed in connection with the shaft or rod *h* and the guide fingers h^2 thereon and the shaft or rod *g* with the gripping fingers g^2 thereon; but in making what are known as quarter bindings the gage plate 200 is used with the two central gages 202 thereon, together with the gages 301 on the stationary folder bar; while in making what are known as half bindings the plate 200 is used with all of the gages 202 thereon in connection with

the gages 301 on the stationary folder bar *g* and the guide arms 500 on the transverse rod 400.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A machine of the class described provided at the front with a gage shaft having gage fingers and a transverse gripper shaft having gripping fingers, a gage plate mounted transversely of the machine and provided with gages adjustable longitudinally thereof and transversely of the machine, a stationary folder bar arranged rearwardly of said shafts, and transverse guides connected with said folder bar and adjustable transversely of the machine.

2. A machine of the class described provided at the front with a gage shaft having gage fingers and a transverse gripper shaft having gripping fingers, a gage plate mounted transversely of the machine and provided with gages adjustable longitudinally thereof and transversely of the machine, a stationary folder bar arranged rearwardly of said shafts, and transverse guides connected with said folder bar and adjustable transversely of the machine, said machine being also provided with a transverse shaft arranged over said folder bar and provided with right and left and backwardly directed guide arms having straight horizontal bottom portions adapted to bear on said folder bar and provided with inwardly directed flanges.

3. A machine of the class described provided at the front with a gage shaft having gage fingers and a transverse gripper shaft having gripping fingers, a gage plate mounted transversely of the machine and provided with gages adjustable longitudinally thereof and transversely of the machine, a stationary folder bar arranged rearwardly of said shafts, and transverse guides connected with said folder bar and adjustable transversely of the machine, said machine being also provided with a transverse shaft arranged over said folder bar and provided with right and left and backwardly directed guide arms having straight horizontal bottom portions adapted to bear on said folder bar and provided with inwardly directed flanges, the end portions of said folder bar being upwardly, forwardly and backwardly directed.

4. A machine of the class described provided at the front with a gage shaft having gage fingers and a transverse gripper shaft having gripping fingers, a gage plate mounted transversely of the machine and provided with gages adjustable longitudinally thereof and transversely of the machine, a stationary folder bar arranged rearwardly of said shafts, and transverse guides connected with said folder bar and adjustable transversely of the machine, said machine being also provided with a transverse shaft arranged over said folder bar and provided with right and left and backwardly directed guide arms having straight horizontal bottom portions adapted to bear on said folder bar and provided with inwardly directed flanges, the end portions of said folder bar being upwardly, forwardly and backwardly directed, said machine being also provided rearwardly of the folder bar with a transverse forwardly and backwardly movable cloth carrier adapted to move between the folder bar and said shaft.

5. In a machine for making book covers of the class described a gage plate placed transversely over the front portion of the machine and provided with gages which range longitudinally of the machine and are adjustable transversely thereof on said plate, said machine being also provided rearwardly of the gage plate with a stationary transverse folder bar, and guides connected with said bar which range longitudinally of the machine and are adjustable transversely thereof.

6. In a machine for making book covers of the class described, a gage plate placed transversely over the front portion of the machine and provided with gages which range longitudinally of the machine and are adjustable transversely thereof on said plate, said machine being also provided rearwardly of the gage plate with a stationary transverse folder bar, and guides connected with said bar which range longitudinally of the machine and are adjustable transversely thereof, said machine being also provided over the folder bar with a shaft arranged transversely of the machine and provided with two backwardly directed guide arms adapted to bear on said bar.

7. A machine for making book covers, provided at the front end thereof with a transverse cloth or feed cylinder, a transverse shaft over said cloth or feed cylinder provided with gripping fingers, a transverse folder bar arranged rearwardly of said parts, a gage plate mounted over said feed cylinder and provided with gages adjustable transversely of the machine, and guides connected with said folder bar and adjustable transversely of the machine.

8. A machine for making book covers, provided at the front end thereof with a transverse cloth or feed cylinder, a transverse shaft over said cloth or feed cylinder provided with gripping fingers, a transverse folder bar arranged rearwardly of said parts, a gage plate mounted over said feed cylinder and provided with gages adjustable transversely of the machine, and gages connected with said folder bar and adjustable transversely of the machine, said machine being also provided transversely thereof and over the folder bar with a shaft having backwardly directed guide arms adapted to bear

on said folder bar and adjustable transversely of the machine.

9. A machine of the class described provided with a transverse folder bar, a transverse rod mounted thereover, and guide arms connected with said rod and ranging longitudinally of the machine and adjustable transversely thereof.

10. A machine of the class described provided with a transverse folder bar, gages adjustable thereon transversely of the machine, and a transverse rod arranged over said folder bar and provided with guide arms which range longitudinally of the machine and are adjustable on said rod.

11. In a machine for making book covers, a frame, a transverse cloth or feed cylinder mounted in the front end portion thereof, a transverse shaft over said cloth or feed cylinder and provided with guide fingers, a transverse shaft carried by the cloth or feed cylinder and provided with gripping fingers and a gage plate and feed table mounted over said feed cylinder and below the first named shaft and provided with a gage adjustable transversely of the machine and ranging longitudinally thereof.

12. In a machine for making book covers, a frame, a transverse cloth or feed cylinder mounted in the front portion thereof, a transverse shaft mounted over said cloth or feed cylinder and provided with guide fingers, a transverse shaft carried by the cloth or feed cylinder and provided with gripping fingers, a transverse folder bar arranged rearwardly of said parts, a gage plate mounted over said cylinder and provided with central gages which range longitudinally of the machine and are adjustable transversely thereof, and gages mounted on said folder bar and ranging longitudinally of the machine and adjustable transversely thereof.

13. In a machine for making book covers, a frame, a transverse cloth or feed cylinder mounted in the front portion thereof, a transverse shaft mounted over said cloth or feed cylinder and provided with guide fingers, a transverse shaft carried by the cloth or feed cylinder and provided with gripping fingers, a transverse folder bar arranged rearwardly of said parts, a gage plate mounted over said cylinder and provided with gages which range longitudinally of the machine and are adjustable transversely of the machine on said gage plate, gages mounted on the folder bar and ranging longitudinally of the machine and adjustable transversely thereof on said folder bar and a rod mounted transversely of the machine over said folder bar and provided with guide arms which range longitudinally of the machine and are adjustable transversely thereof on said bar.

14. In a machine for making book covers, a frame, a transverse cloth or feed cylinder mounted in the front end portion thereof, a transverse shaft over said cloth or feed cylinder and provided with guide fingers, a transverse shaft carried by the cloth or feed cylinder and provided with gripping fingers, and a gage plate and feed table mounted over said cylinder and below the first named shaft and provided with gages which are adjustable transversely of the machine and which range longitudinally of said machine.

15. In a machine for making book covers, a frame, a transverse cloth or feed cylinder mounted in the front end portion thereof, a transverse shaft placed over said cloth or feed cylinder and provided with guide fingers, a transverse shaft carried by the cloth or feed cylinder and provided with gripping fingers, and a gage plate mounted over said cylinder rearwardly of the first named rod and provided with four gages which range transversely of said plate and longitudinally of the machine and are adjustable on said plate transversely of the machine.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 10th day of July 1907.

ALBERT MUGLER.

Witnesses:
C. E. MULREANY,
A. WORDEN GIBBS.

Correction in Letters Patent No. 880,033

It is hereby certified that in Letters Patent No. 880,033, granted February 25, 1908, upon the application of Albert Mugler, of Brooklyn, New York, for an improvement in "Machines for Making Book-Covers," an error appears in the printed specification requiring correction, as follows: In line 27, page 1, the date "April 6, 1097," should read *April 6, 1897;* and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 31st day of March, A. D., 1908.

[SEAL.]

C. C. BILLINGS,

Acting Commissioner of Patents.