

No. 679,592.

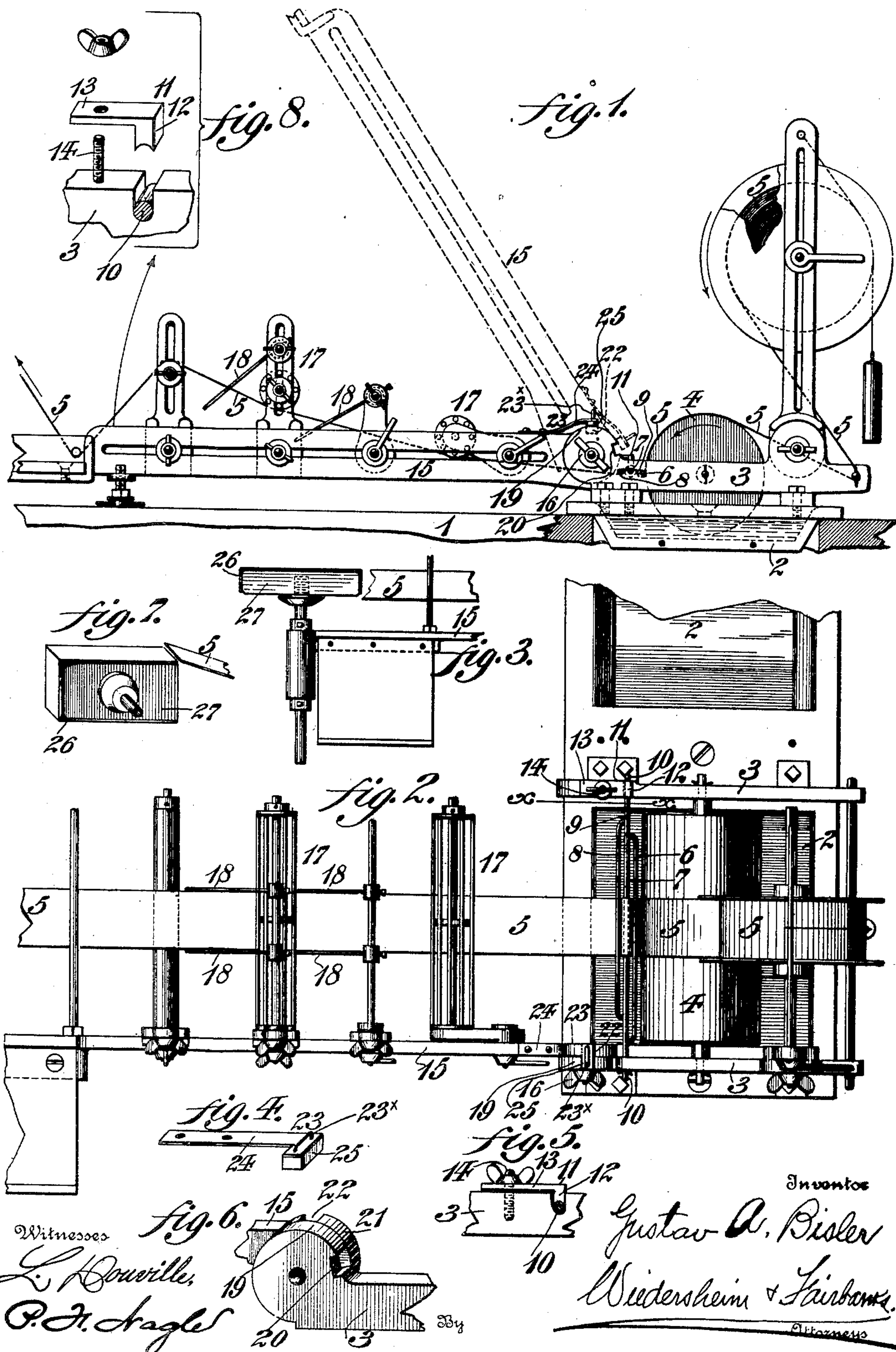
Patented July 30, 1901.

G. A. BISLER.

ATTACHMENT FOR MACHINES FOR COVERING PAPER BOXES, LIDS, &c.

(Application filed Aug. 3, 1900.)

(No Model.)





# UNITED STATES PATENT OFFICE.

GUSTAV A. BISLER, OF PHILADELPHIA, PENNSYLVANIA.

ATTACHMENT FOR MACHINES FOR COVERING PAPER BOXES, LIDS, &c.

SPECIFICATION forming part of Letters Patent No. 679,592, dated July 30, 1901.

Application filed August 3, 1900. Serial No. 25,830. (No model.)

*To all whom it may concern:*

Be it known that I, GUSTAV A. BISLER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Attachments to Machines for Covering Paper Boxes, Lids, &c., which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to an improvement in machines for covering paper boxes, lids, &c., and is designed more especially for economizing space and for convenience of the operator, for as both hand and machine work are required on work of this character it has formerly been necessary to shift the work from one operator to another throughout the building until it was finally completed. This machine enables the operator to use alternately a plain table with a receptacle for glue or adhesive material or using the machine when set up in the same space.

The invention consists more especially in a novel construction of an adjustable tension device and means for moving the same or for locking it in a desired position.

It also consists in the novel construction of an adjustable or movable arm in which certain parts of the guiding and feeding device are carried, whereby said arm can be turned from a horizontal position when economy of space is desired, provision being made for locking said arm in its adjustable position, or, if desired, the said arm, feeding devices, &c., can be entirely disconnected and removed from the receptacle containing the adhesive material, during which period the said receptacle or the space that has been occupied by the said arm can be occupied for other purposes.

It also consists of a novel construction of locking devices for said arm.

It further consists of novel details of construction, all as will be hereinafter fully described, and particularly pointed out in the claims.

Figure 1 represents a side elevation of the attachments to a machine for covering paper boxes, lids, &c., embodying my invention. Fig. 2 represents a plan view of Fig. 1. Fig. 3 represents, on a reduced scale, a plan view of a portion of the extreme left of Fig. 2. Fig. 4 represents, on an enlarged scale, a perspective view of a catch employed to hold the

adjustable frame, hereinafter referred to, in an elevated position. Fig. 5 represents, on an enlarged scale, a section on line *xx*, Fig. 2, showing the locking means for holding the tension device in position. Fig. 6 represents, on an enlarged scale, a perspective view of the juxtaposed ends of the stationary frame and movable arm, to be hereinafter referred to, showing the recesses therein which are adapted to be in alinement when the movable arm is in elevated position. Fig. 7 represents a perspective view of a box in the act of having the paper fed thereto or pasted thereupon. Fig. 8 represents a perspective view of certain parts seen in Fig. 5 in detached position.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, 1 designates the bed of a machine for covering paper boxes, goods, &c., said bed having the receptacle for adhesive material suitably supported therein, it being apparent that a plurality of said receptacles 2 may be employed, if desired.

3 designates a stationary frame located on each side of the paste-receptacle for carrying the paste-roller 4, over which passes the strip of paper or other suitable material 5. The devices which support the material 5 are not novel *per se*, and as the same form no part of the present invention it is believed that a detailed description thereof will be unnecessary. The paper 5 after passing over roll 4 passes under the member 6, over the member 7, and under the member 8 of the tension device 9, the latter, preferably the member 7 thereof, being provided with the extremities or journals 10, which are rotatably mounted in suitable bearings in the frame, one of said bearings being open at one side. The tension device 9 can be turned on the journals 10 as axes for the purpose of increasing or decreasing the tension on the strip 5, and when the parts are in the desired position relative to said strip or the paste-roll 4 the tension device is locked by means of the clamp 11, the latter having the depending member 12 and the laterally-extending member 13, through which passes the thumb-nut, thumb-screw, or other fastening device 14, whereby the tension device 9 is prevented from turning during the passage of the strip therethrough.



Another important feature of my invention consists in the employment of the movable or adjustable arm 15, which is suitably mounted upon one of the stationary frames 3, said arm being held in the desired position by means of the thumb-nut 16 or other suitable fastening device. The arm 15 has adjustably mounted therein the tension devices 17 and the guiding devices 18; but as the same form no part of the present invention I have considered a detailed description thereof to be unnecessary.

The extremity of the arm 3 has its upper surface rounded or arc-shaped, as at 19, and provided with a recess 20, while the juxtaposed extremity of the arm 15 is also provided with an upper rounded surface 21 and a recess 22, the latter being adapted to be in alinement with the recess 20 when the arm 15 is raised into an upright position.

23 designates a spring-catch (best seen in Fig. 4) consisting of the resilient member 24, which is adapted to be secured to the upper surface of the arm 15, and the nose 25, which is attached to the resilient member 24 and rides upon the curved surface 19 until the recesses 22 and 20 are in alinement, whereupon it will be seen that said nose will snap into said recesses and will hold the arm 15 in an upright position, said catch being readily manipulated by means of the finger-piece 23<sup>x</sup>.

In Figs. 3 and 7 I have shown detailed views of the left-hand portion of the apparatus to which my invention is applicable, wherein the strip 5 is shown in the act of being fed upon the box 26, which is mounted upon the block 27, which latter is turned in the usual manner while said strip is being fed and pasted in position.

It will be seen that when economy of space is desired the arm 15 can be raised and will be held in elevated position without requiring any attention on the part of the operator.

If desired, the arm and mechanism carried thereby can be removed entirely from the frame by proper manipulation of the fastening devices, it being apparent from this that the table can be utilized for other purposes, as is the case when the parts are locked in elevated position, it being apparent, of course, that if a machine is constructed to remove the arm and mechanism it may not be necessary to employ the curved end and the locking device therefor.

It will be apparent that slight changes may be made by those skilled in this art which will come within the scope of my invention, and I do not therefore desire to be limited in every instance to the exact construction I have herein shown and described.

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

1. In a machine for covering paper boxes, a tension device consisting of parallel outer and intermediate members 6, 7 and 8, contin-

uations of said intermediate member 7 forming journals 10, bearings for said journals, one of said bearings being open at one side, a clamping device having a member 12 pendent from the free end thereof and extending into said bearing and engaging directly with said journal and the portion 11 carrying said member 12 having means for attachment of the clamping device and by means of which the pendent member 12 is caused to engage said journal under tension.

2. In a machine for covering paper boxes, a stationary frame, having one end thereof curved and provided with a recess, a movable arm mounted on said frame and provided with a recess, and a locking device mounted on said movable arm to engage in said recesses when the same are coincident.

3. In a machine for covering paper boxes, a stationary frame having the upper rounded portion 19 and the recess 20 therein, a movable arm mounted on said frame and having the recess 22, and a spring-catch mounted on said arm to engage both of said recesses when they are coincident.

4. In a machine for covering paper boxes, a stationary frame provided with a recess, a movable arm mounted upon said frame and provided with a recess, and a locking device having a right-angled portion bridging and adapted to enter said recesses.

5. In a machine for covering paper boxes, a stationary frame having one arm thereof curved and provided with a recess, a movable arm mounted upon said frame and provided with a recess, and a locking device having a right-angled portion riding upon the curved portion of the stationary arm and adapted to enter said recesses.

6. In a machine for covering paper boxes, a stationary frame having one arm thereof curved and provided with a recess, a movable arm mounted upon said frame and provided with a recess, and a spring-arm secured at one end to said movable arm and provided with a detent disposed opposite the recess in the movable arm and bearing against the curved portion of the stationary arm to enter the recess in the latter when the movable arm is moved to bring the recesses in alinement.

7. In a machine for covering paper boxes, a table, a stationary frame, a movable arm mounted on said frame and extending over said table, a series of mechanism for guiding and manipulating a slip of paper carried by said arm, means for adjusting said arm and mechanisms whereby said table becomes accessible, and can be utilized, a flexible member on said arm and means carried thereby for automatically locking said arm and the mechanism carried thereby in their adjusted position.

GUSTAV A. BISLER.

Witnesses:

WM. CANER WIEDERSHEIM,  
E. HAYWARD FAIRBANKS.