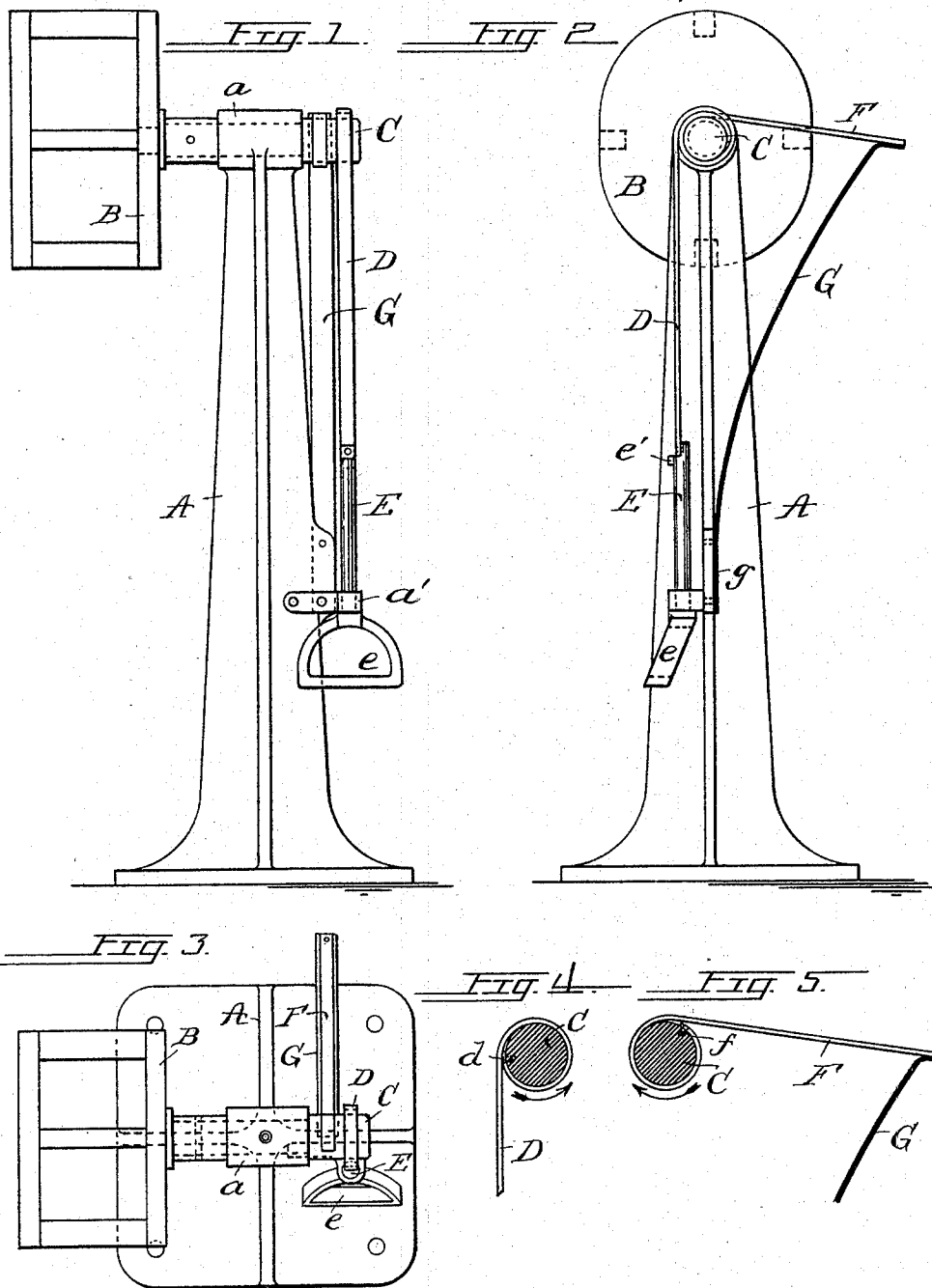


(No Model.)

J. WEBER.  
BOX COVERING MACHINE.

No. 527,913.

Patented Oct. 23, 1894.



Witnesses  
David Lewis  
Eda. Kelly.

JULIUS WEBER, Inventor

By Attorney *W. J. Sullivan*

# UNITED STATES PATENT OFFICE.

JULIUS WEBER, OF READING, PENNSYLVANIA.

## BOX-COVERING MACHINE.

SPECIFICATION forming part of Letters Patent No. 527,913, dated October 23, 1894.

Application filed February 20, 1894. Serial No. 500,859. (No model.)

*To all whom it may concern:*

Be it known that I, JULIUS WEBER, a citizen of the United States, residing at Reading, county of Berks, State of Pennsylvania, have  
5 invented certain Improvements in Box-Covering Machines, of which the following is a specification.

My invention relates to a machine adapted especially for facilitating the covering of  
10 paste-board boxes with colored paper to give a pleasing finished appearance to the same.

My object is to produce a machine of very simple construction, which will be easily controlled by the operator and readily changed  
15 to suit different forms and sizes of boxes.

The invention is fully described in connection with the accompanying drawings and is specifically pointed out in the claims.

Figure 1 is a front elevation of my machine. Fig. 2 is a side elevation of the same. Fig. 3 is a plan view. Figs. 4 and 5 are enlarged sectional views of the mandrel showing more clearly the manner of attaching the  
20 operating and spring straps respectively.

A represents an iron supporting frame, in the head stock *a* of which is mounted a mandrel C. On the nose of this mandrel is  
25 screwed a chuck B preferably made of wood formed to suit a particular form or size of box. To the opposite end of the mandrel, which may be enlarged in diameter as desired, are secured the ends *d* and *f* of separate flexible straps D and F of leather or  
30 similar material. These are arranged as indicated in Figs. 4 and 5 so as to wrap upon the mandrel in opposite directions.

The free end of the strap D is fastened to a rod E which works in a guide *a'* on the frame, and is provided with a foot piece or  
40 stirrup *e* at its lower end. This I call the operating strap because by moving the stirrup *e* downward from its normal position shown in the drawings the shaft is rotated to an extent corresponding with the amount of this  
45 downward movement, the strap D unwinding from the mandrel. Any suitable stop may be provided to limit this movement, as a projection *e'* from rod E.

The free end of the strap F is fastened to the end of a spring G which is fixed at its  
50 lower end to the frame and is capable of considerable motion. In depressing the stirrup *e* the strap F is wound up upon the mandrel against the action of the spring G, which when the stirrup is released automatically  
55 returns the mandrel to its normal position.

In operating my machine the uncovered box is placed upon the chuck which it fits so as to be rotated with it. The paper which is cut to proper size is covered with paste and  
60 fastened along the top edge to the periphery of the box, and the stirrup *e* is then depressed thus rotating the box one turn while the operator presses the paper firmly against the rotating surface thus quickly and evenly  
65 applying the covering to the box. On relieving the stirrup a reverse movement is automatically given to the box by the action of the spring during which the operator presses his hand against the bottom edge of the box  
70 thus turning the surplus paper over against the bottom of the box and completing the operation, the finished box being removed from the chuck and replaced by another with the greatest speed and ease possible.  
75

I do not limit myself to the exact construction shown as it may be modified without departing from the spirit of my invention, but

What I claim is—

1. A box covering machine comprising a  
80 mandrel, a chuck secured thereto, means for imparting a limited rotation to said mandrel in one direction and a spring arranged to return the same to its normal position, substantially as set forth.  
85

2. A box covering machine comprising a mandrel, a chuck secured thereto, straps E and D each having one end fixed to the mandrel and adapted to wind thereon in opposite directions, a spring attached to the free  
90 end of one of said straps and means for operating the other strap to rotate the mandrel, substantially as set forth.

3. A box covering machine comprising a  
95 mandrel, a chuck secured thereto, straps E

and D each having one end fixed to the mandrel and adapted to wind thereon in opposite directions, a spring attached to the free end of one of said straps, means for operating  
5 the other strap to rotate the mandrel, and means for limiting the rotation to one turn, substantially as set forth.

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

JULIUS WEBER.

Witnesses:

MORRIS H. SCHAFER,  
S. W. REIFF.