

C. WEISS.
CLOTH PILING MACHINE.
APPLICATION FILED JUNE 3, 1909.

957,526.

Patented May 10, 1910.

2 SHEETS—SHEET 1.

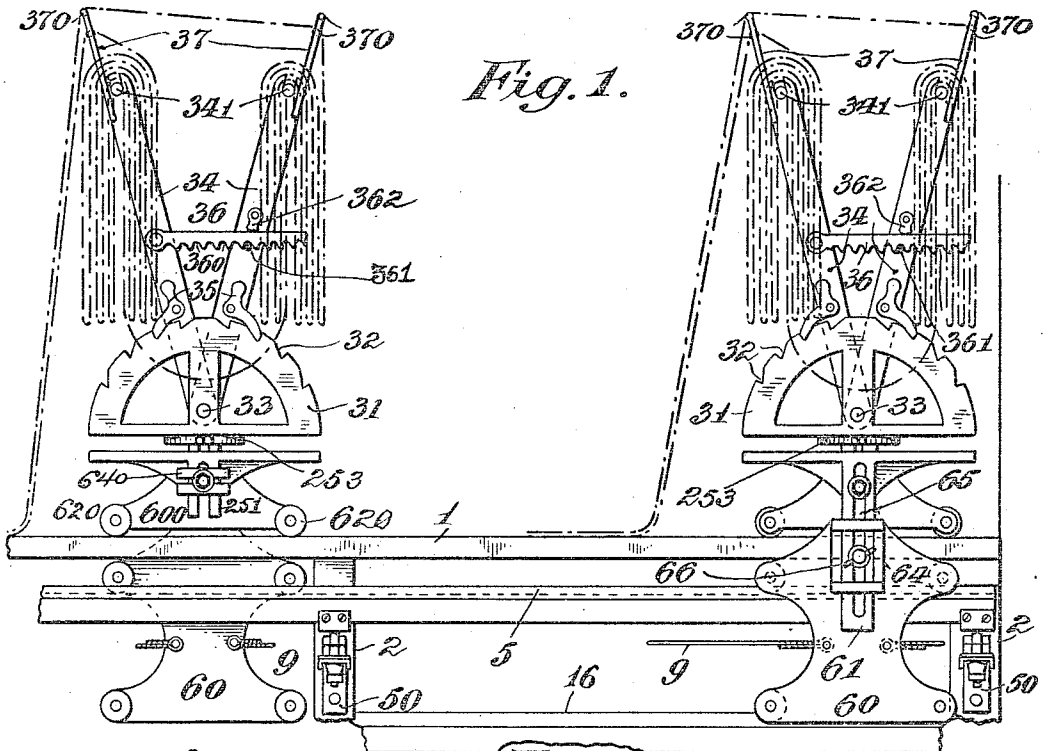


Fig. 1.

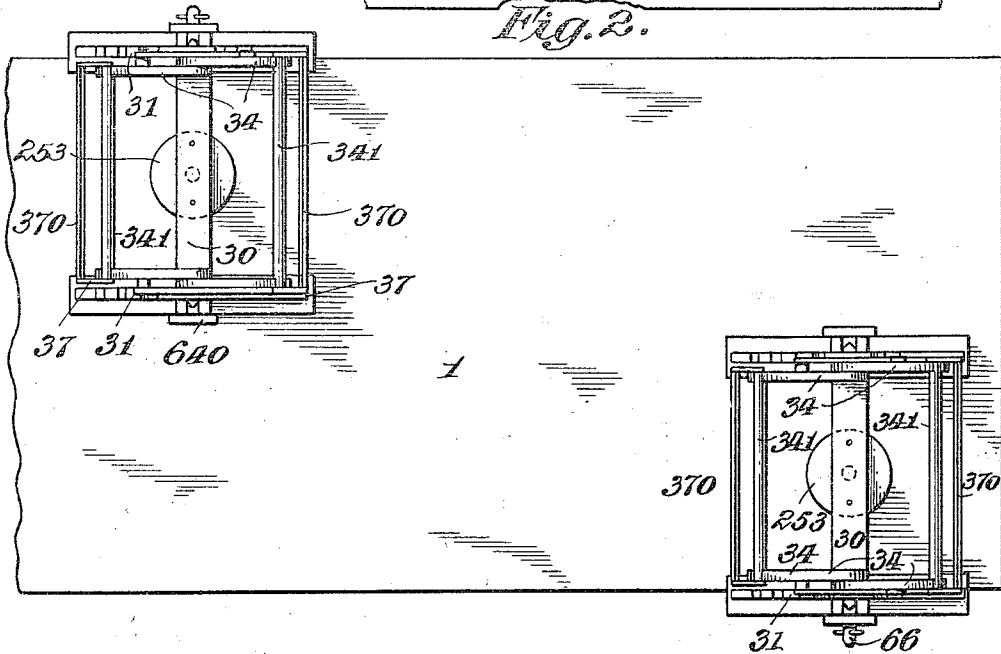


Fig. 2.

Attest:
May Hughes
Adam C. McDonnell.

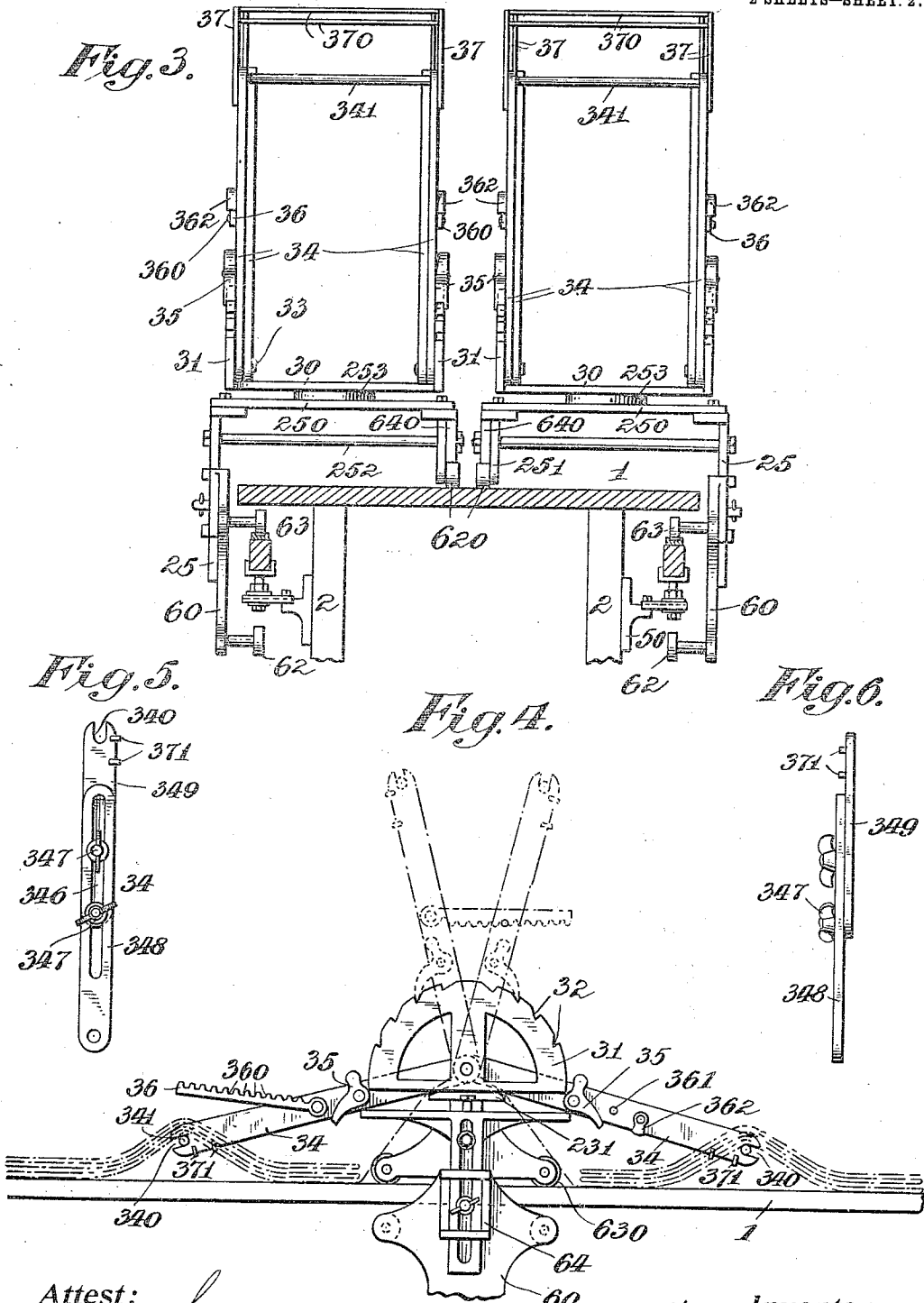
Cornelius Weiss, Inventor:
by William R. Baird
his Att'y.

C. WEISS.
CLOTH PILING MACHINE.
APPLICATION FILED JUNE 3, 1909.

957,526.

Patented May 10, 1910.

2 SHEETS—SHEET 2.



Attest:
May Hughes
Alan C. McDonnell.

Inventor:
Cornelius Weiss
by *William R. Baird*
his Atty.

UNITED STATES PATENT OFFICE.

CORNELIUS WEISS, OF BROOKLYN, NEW YORK.

CLOTH-PILING MACHINE.

957,526.

Specification of Letters Patent.

Patented May 10, 1910.

Application filed June 3, 1909. Serial No. 499,955.

To all whom it may concern:

Be it known that I, CORNELIUS WEISS, a citizen of the United States, and resident of the borough of Brooklyn, city, county, and State of New York, have invented certain new and useful Improvements in Cloth-Piling Machines, of which the following is a specification.

This invention relates to cloth handling machines and its novelty consists in the construction and adaptation of the parts as will be more fully hereinafter pointed out.

In Letters Patent of the United States #937,398, granted to me on the 19th day of October, 1909, there is described and claimed a novel form of machine of this class which comprises, briefly, a table, a carrier adapted to be moved along one side thereof, a transverse member secured thereto and a carrier adapted to be moved on top of the table and to which the member is also secured. The subject matter of the present application relates to a modified form of or an improvement upon the general device disclosed in the patent referred to.

In the drawings, Figure 1 is a side elevation of the machine comprising a form of cloth support, including swinging arms; Fig. 2 is a top plan view of the parts shown in Fig. 1; Fig. 3 is an end elevation of the same, the table being shown in transverse vertical section; Fig. 4 is a side elevation of the cloth support showing the arms depressed to receive the cloth, and Figs. 5 and 6 are details of the arm of the cloth support showing it provided with an extension device.

In the drawings, 1 is a table having a number of legs or supports 2, along its sides, to which are secured rail brackets 50 for the purpose of supporting upper channel rails 5 and lower channel rails 16. Belts 9 are moved lengthwise of the table by suitable means, as a motor actuated pulley (not shown). The ends of the belts are fastened to a carrier 60, one on each side of the table, and each carrier is provided with two lower wheels 62, 62, adapted to roll or travel in the lower channel rail 16 and two similar upper wheels adapted to roll or travel in the upper channel rail 5. The carriers 60 are each provided on their outer sides with sleeves or boxes 64 to receive the depending stem 61 of brackets 25 and which stems may be vertically adjusted in the sleeves and held

in any desired position after adjustment by set screws 66 passing through slots 65.

Each bracket 25 extends upwardly above the level of the top of the table 1 and is then bent inwardly to form a transverse shelf 250 extending nearly half way across the table and then downwardly again to form a depending flange 251 which is forked and is adapted to fit into a box 640 secured to the side of a smaller carrier 600 supplied with wheels 620 which rest upon the top of the table. A transverse brace 252 is provided to give rigidity to the construction. A turn table 253 is secured to the shelf 250 in any suitable manner and upon this is mounted a transverse horizontal plate 30 upturned at substantially a right angle at both ends to form semi circular upright plates 31 which are notched at 32 along their upper edges. Hinged to each plate 31 by a pivot 33 is a pair of radial arms 34 having a pivot 33 for a center. Each arm is provided with a gravity stop pawl 35 adapted to engage the notches 32 and arranged in the plane of the plates 31. Hinged to one of each pair of arms 34 is a latch rod 36 having notches 360 along its lower edge adapted to engage a catch pin 361 on the other arm of the pair. A lock plate 362 is adapted to engage the upper edge of the latch rod 36 and serves to prevent its accidental disengagement from the pin 361.

Secured to and projecting from each arm 34 are arms 37 adapted to support transverse guide rods 370. These arms 37 may either be permanently or detachably secured in place in any suitable manner, as, for instance, by screw eyes indicated at 371. The extremity of each arm 34 is provided with a notch 340 adapted to receive the transverse rod 341 which may be secured in place in any suitable manner.

In Figs. 5 and 6 there is shown an extensible form of the arm 34 in which it is made of two pieces, 348 and 349, slidably connected through a slot 346 in the one piece, and thumb nuts 347 in the other piece. When this form of support is used the cloth can be placed thereon when the arms are lowered as shown in Fig. 4 and the arms can be raised to any desired height with respect to each other and by means of the latch described can be locked in position. By the use of this device a single folded

piece of goods can be separated and faced as shown in dotted outline in Fig. 1, so that it can be placed on the table in two layers, each facing the same way.

5 What I claim as new is:—

1. In a device of the character described, a cloth supporting device comprising a pair of arms adapted to swing in parallel vertical planes and a transverse cloth supporting rod held between them and means for holding them in position after such movement, comprising a vertical plate arranged near each arm, notches on the edge thereof and a pawl on the arm adapted to engage the notch.

15 2. In a device of the character described, a cloth supporting device comprising two pairs of arms adapted to swing in opposite directions in parallel vertical planes and provided with a transverse cloth supporting rod between each pair.

20 3. In a device of the character described, a cloth supporting device comprising two pairs of arms adapted to swing in opposite directions in parallel vertical planes and provided with a transverse cloth supporting rod between each pair and means for holding each arm at any desired position in its swinging movement, comprising a vertical plate arranged near each arm, notches on the edge thereof and a pawl on the arm adapted to engage the notches.

30 4. The combination of a table, a plurality of shelves, each arranged part way across the same so that they can pass each other when moved, carriers arranged in pairs whereby each shelf is supported in a horizontal position, one of said carriers being supported on a higher plane than the other, a cloth support including a pair of arms adapted to swing in parallel vertical planes arranged above each shelf and a revolving connection between the support and the shelf.

45 5. The combination of a table, a plurality of shelves each arranged part way across the same so that they can pass each other when moved, carriers arranged in pairs whereby each shelf is supported in a horizontal position, one of said carriers being supported on the table and the other alongside of the table and below its top, a cloth support consisting of a transverse plate arranged above each shelf, a revolving connection between each plate and shelf and vertical plates arranged at each end of the transverse plate.

55 6. The combination of a table, a plurality of shelves each arranged part way across the table so that they can pass each other when moved, carriers arranged in pairs whereby each shelf is supported in a horizontal position, one of said carriers being supported on the table and the other alongside and below the top of the table, a cloth support consisting of a transverse plate arranged

above each shelf, a revolving connection between plate and shelf, and vertical plates arranged at each end of the transverse plate, in combination with a pair of arms one arranged near each vertical plate and adapted to swing in a vertical plane parallel with the plate, and means connecting the outer ends of the arms.

7. The combination of a table, a plurality of shelves each arranged part way across the same so that they can pass each other when moved, carriers arranged in pairs whereby each frame is supported in a horizontal position, one of said carriers being supported on the table and the other alongside and below the top of the table, and a cloth support, consisting of a transverse plate arranged above each shelf, a revolving connection between each plate and shelf and vertical plates arranged at each end of the transverse plate, in combination with a pair of arms pivoted to each vertical plate and adapted to swing in opposite directions in parallel vertical planes, and transverse connections between the corresponding arms of each pair.

8. In a device of the character described, a cloth supporting device comprising two pairs of arms adapted to swing in opposite directions in parallel vertical planes and provided with a transverse cloth supporting rod between each pair and means for adjusting the arms at any desired position with respect to each other, and locking them in place after such adjustment.

9. In a device of the character described, a cloth supporting device comprising two pairs of arms adapted to swing in opposite directions in parallel vertical planes and provided with a transverse cloth supporting rod between each pair, and means for adjusting the arms at any desired position with respect to each other, including a latch on one arm and a cooperating catch on the other.

10. In a device of the character described, a cloth supporting device comprising two pairs of arms adapted to swing in opposite directions in parallel vertical planes and provided with a transverse cloth supporting rod between each pair, and means for adjusting the arms at any desired position with respect to each other, including a latch on one arm and a cooperating catch on the other and means for locking the latch in place after such adjustment, consisting of a lock plate adapted to hold the latch against the catch.

Witness my hand this 29th day of May 1909, at Brooklyn, N. Y.

CORNELIUS WEISS.

Witnesses:

DAVID JACOBS,
MAY HUGHES.