

C. C. SCHNEIDER.
CLOTH LAYING MACHINE.
APPLICATION FILED MAR. 31, 1908.

912,738.

Patented Feb. 16, 1909.

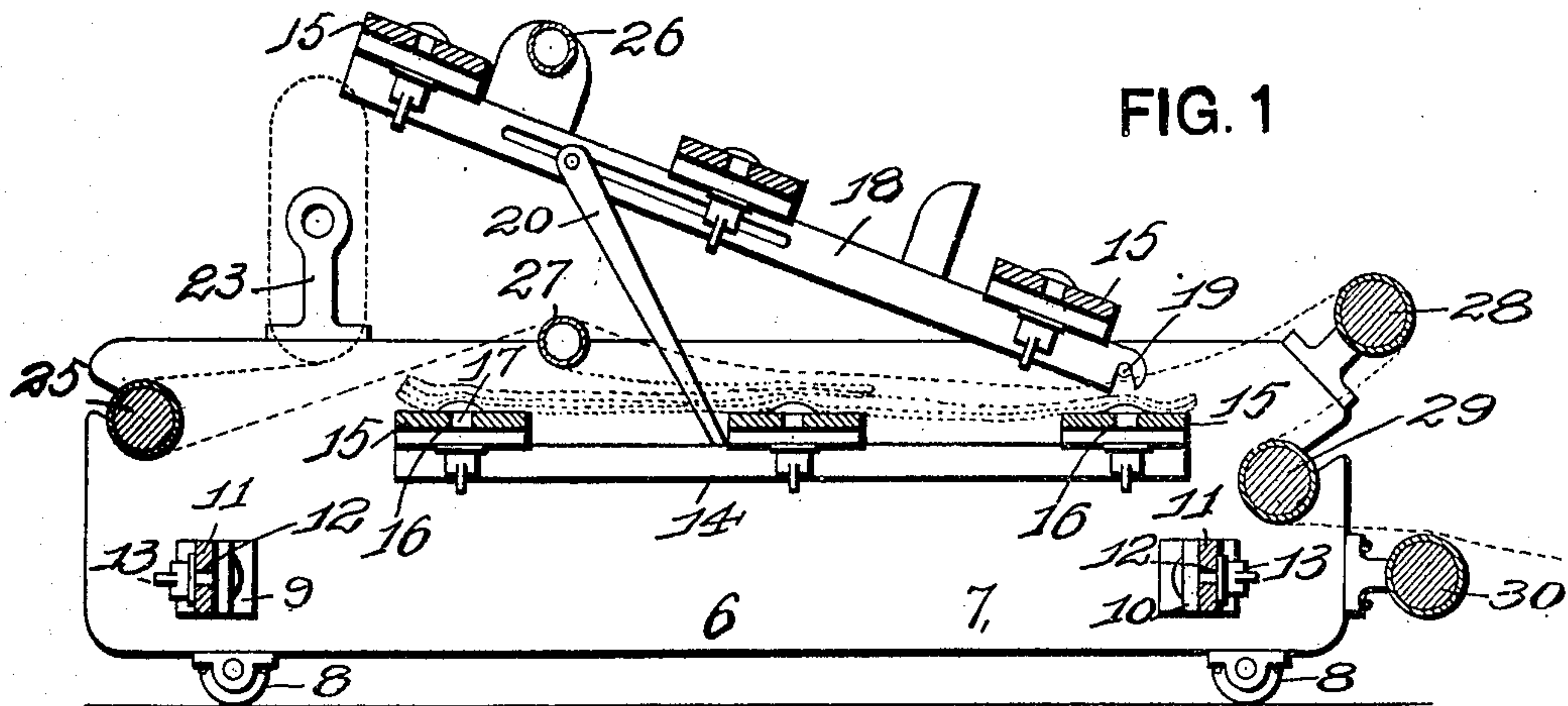


FIG. 1

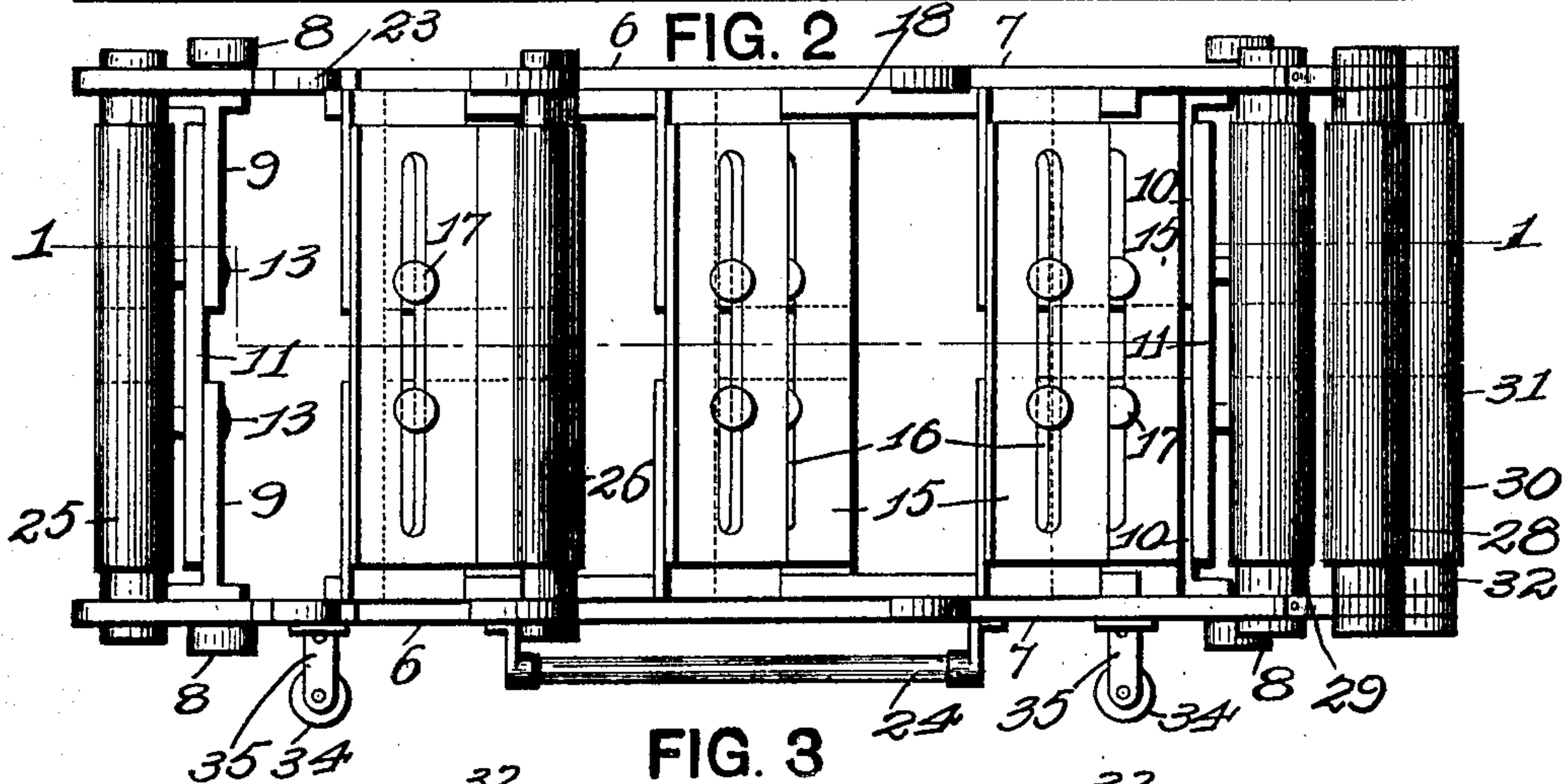


FIG. 3

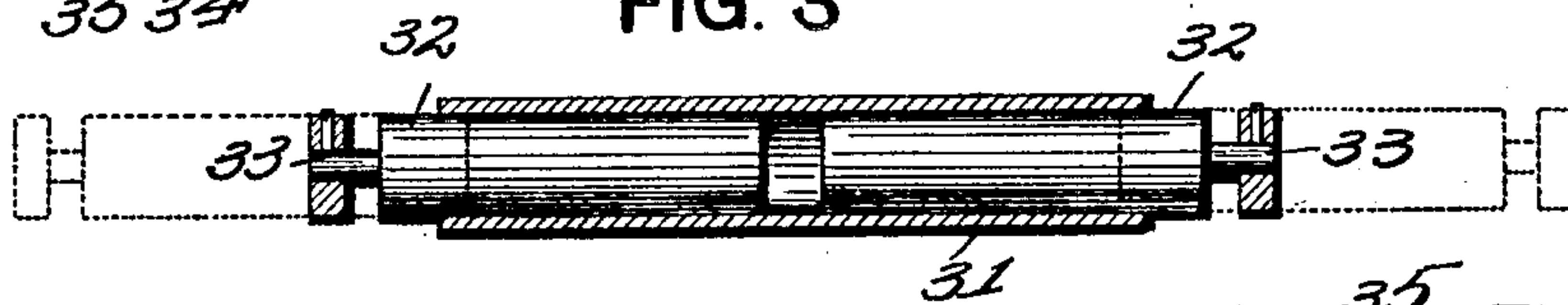


FIG. 4

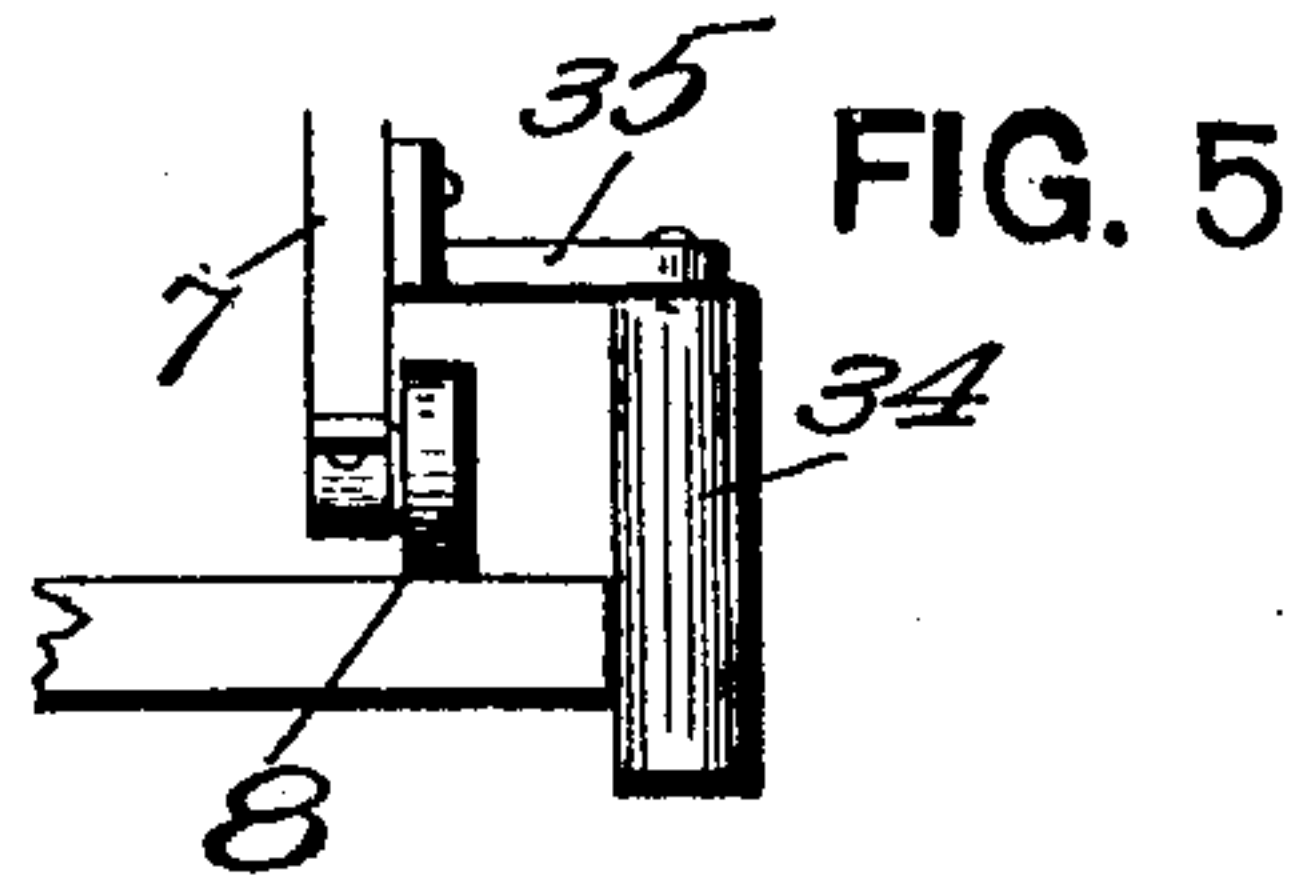


FIG. 5

WITNESSES
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UNITED STATES PATENT OFFICE.

CHARLES C. SCHNEIDER, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO JAMES H. CUTTER, OF ST. LOUIS, MISSOURI.

CLOTH-LAYING MACHINE.

No. 912,738.

Specification of Letters Patent.

Patented Feb. 16, 1909.

Application filed March 31, 1908. Serial No. 424,441.

To all whom it may concern:

Be it known that I, CHARLES C. SCHNEIDER, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Cloth-Laying Machines, of which the following is a specification.

My invention relates to improvements in cloth laying machines and has for its object, to provide means for distributing cloth in layers on a table surface.

In the drawings—Figure 1 is a vertical longitudinal view in section of a device embodying my invention taken along the line 1—1 of Fig. 2. Fig. 2 is a top plan view of the same. Fig. 3 is a longitudinal view of the rollers employed in my invention showing the outer shell of such rollers in section, and indicating the full extensible length of said rollers in dotted lines. Fig. 4 is an enlarged perspective view of the insert-block employed when cloth is to be distributed from the bolt. Fig. 5 is an enlarged vertical plan view of one of the guide rollers employed in my invention.

As shown in the drawings, I provide a traveling frame 6, comprising side members 7—7 and carried by wheels 8—8. As the machine is employed in distributing cloth of various widths, the frame 7 is made adjustable in width. Bracket members 9—9 and 10—10 are secured to the inner faces of the side members 7—7. A bar 11 provided with a slot 12 is adjustably mounted upon said bracket members 9—9 by means of the bolts 13.

The traveling frame 6 is provided with a bed of adjustable width composed of the bracket members 14, mounted upon the inner faces of the side members 7—7 and having superimposed upon them the members 15 provided with slots 16. Pins 17 extend through the slots 16 and into the bracket members 14. The cloth to be distributed is carried upon the bed thus described, as illustrated by dotted lines in Fig. 1. When it is desired to distribute two thicknesses of cloths simultaneously, a removable auxiliary frame 18 is employed of the same width and same adjustable con-

struction as the first named bed, one end of said auxiliary frame 18 being supported by the transverse rod 19 while the other end is supported by the holding leg 20. When it is desired to distribute cloth from the bolt, I employ insert-blocks 21, provided with pintles 22 which pintles are carried by brackets 23. At either side the frame 6 is provided with a handle 24.

The distribution of the cloth is effected by the travel of the frame 6 upon a table surface, the cloth being distributed over rollers, 25, 26, 27, 28, 29, and 30. Each of said rollers comprises an outer shell 31 and two inner cylinders 32—32 mounted within said shell 31; each of said cylinders 32 terminating in a pintle 33.

In order to guide the frame 6 in a forward and backward course parallel with the edge of the table upon which the machine is operated, I provide guide rollers 34 depending vertically from brackets 35 and having their lower ends extended to a point beneath the plane of the points of support of said traveling frame or, in other words, beneath the plane of the surface of the table, so that as the frame 6 is moved back and forth by means of the handle 24, the guide rollers 34 are kept in engagement with the edge of the table.

Having thus described my invention what I claim as new, and desire to have secured to me by the grant of Letters Patent is:

1. In a cloth laying machine, the combination of a traveling frame having a bed of adjustable width; wheels upon which said frame is mounted; guide rollers carried by said frame and extending beneath the plane of the points of support of the traveling frame; and rollers of adjustable length mounted horizontally and transversely on said traveling frame; and a secondary frame of width and adjustability corresponding with the first named frame and adapted to be carried by said frame, substantially as described.

2. In a cloth laying machine, the combination of a traveling frame having a bed of adjustable width; wheels upon which said frame is mounted; guide rollers carried by said frame and extending beneath the plane of

the points of support of the traveling frame;
and rollers of adjustable length mounted
horizontally and transversely on said travel-
ing frame; insert-blocks adapted to receive
5 a bolt of cloth and supports carried by the
frame wherein said insert-blocks are pivot-
ally mounted, substantially as described.

In testimony whereof, I have signed my
name to this specification, in presence of two
subscribing witnesses.

CHARLES C. SCHNEIDER.

Witnesses:

ALFRED A. EICKS,

WALTER C. STEIN.