A. BROADMEYER.
PAPER SUPPORTING TABLE FOR PAPER FEEDING MACHINES.
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INVENTOR
Albert Broadmeyer

ATTORNEYS
To all whom it may concern:

Be it known that I, ALBERT BROADMEYER, a subject of the Emperor of Germany, and a resident of Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Paper-Supporting Tables for Paper-Feeding Machines, of which the following is a specification.

My present invention relates generally to paper feeding machines of that nature described and shown in my application Number 29,926, filed May 20, 1915, and is, more particularly, an improved table for holding a stack of paper within such machine, this application being a division of my application Number 29,926, just mentioned.

Among the objects of my present invention are, first, the provision of a feed table detachable from its support for removal when its supply of paper has become exhausted and which, with its said support, carries cooperating means whereby it may be quickly and easily placed upon such support in definite, exact relation to the other parts of the machine, and second, the provision of a feed table having paper guide members preventing lateral movement of the stack thereon, and capable of ready and quick adjustment to accommodate paper of various sizes. These and other objects are accomplished by means of the construction shown in the accompanying drawing, in which—

Figure 1 is a sectional plan view of my improved feed table. Fig. 2 is a vertical section taken therethrough substantially on line 2—2 of Fig. 1. Fig. 3 is a detail vertical section taken therethrough substantially on line 3—3 of Fig. 1. and Fig. 4 is a fragmentary perspective view showing in detail the connection of one of the paper guides.

Referring now to these figures, it will be noted from Figs. 1 and 2 that the support for the table 10 are vertically adjustable on upright guide standards 11, forming part of a frame, portions of which are shown at 12 in Fig. 2, and which frame carries vertical screw bars 13, said table support consisting of brackets 14 having end yokes 15 engaging the standards 11, and also having central threaded bearings 16 through which the screw bars 13 extend. As proposed by my invention, each of the brackets 14 has 17 upwardly projecting studs 17 (see Figs. 1 and 2) which studs are adapted to seat within conformable recesses in the lower surfaces of side cleats 18 secured to the under side of the feed table 10, whereby the latter may be disposed in proper relation with respect to the supporting brackets 13 and adjacent parts, by registering the recesses of its plate 18 with the studs 17 just before mentioned.

By referring to Figs. 1, 3, and 4, it will be seen that the feed table 10 is provided at one side with inwardly projecting and transversely extending slots 19, and with grooves 20 along the upper sides of said slots, in which grooves are seated plates 20, clamping blocks 21, being extended into the slots 19 and provided with apertures 21a for the reception of clamping bolts 22, the upper ends of which bolts are threaded for engagement within threaded apertures 20a of the plate 20, and the lower ends of which bolts are provided with winged heads 22a as plainly seen in Fig. 3. Each of the adjusting plates 20 also carries a depending socket 23 which receives the lower end of one of the upright paper guide rods 24 extending above the table 10 at one side thereof as plainly seen by reference to Figs. 1 and 2. The adjusting plates 20 may be connected 25 by means of a rigid bar 26 so as to render their adjustment uniform under all conditions and insure the longitudinal alignment of the rod 24.

I claim:

1. In a paper feeding machine, a vertically adjustable feed table for supporting a paper stack, having laterally projecting slots, plates disposed within the said slots and provided with depending sockets, upright paper guide rods disposed within the said sockets at their lower ends, clamping plates engaging the feed table below the said adjusting plates; and clamping screws connecting the adjusting plates and the clamping plates whereby to lock the former in adjusted position.

2. A feed table for supporting a paper stack, having laterally projecting slots, plates disposed in the said slots and provided with depending sockets for
the reception of guide rods, and clamping means working in the said slots for securing the said adjusting plates in selected position.

3. A feed table for supporting a paper stack, having a pair of laterally projecting slots, a pair of adjusting plates movable in the slots and provided with upwardly projecting guide rods for the paper, means working in the said slots for securing the said adjusting plates in desired positions, and a rigid connection between the said adjusting plates whereby to insure their uniform adjustment and alinement in operation.

ALBERT BROADMEYER.