No. 621,595. Patented Mar. 21, 1899.

G. BEAL.

APPARATUS FOR WALL PAPER HANGING.

(Application filed Mar. 12, 1898.)

(No Model.) 2 Sheets—Sheet 1.

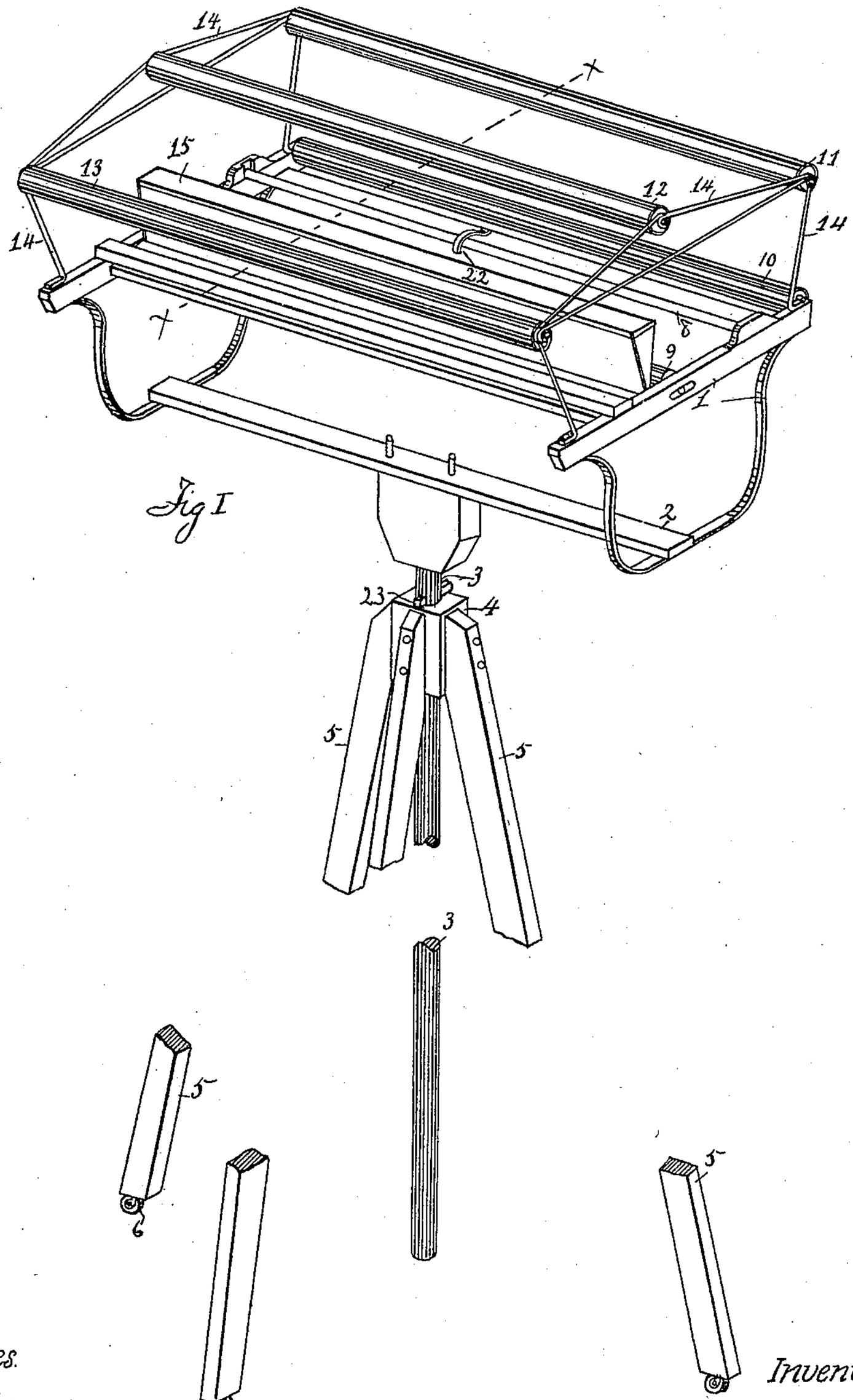

Fig I

Witnesses.
P. D. Ingers.
W. H. Hewes

Inventor.
Grant Beal

By.
T. S. Brown
Atty.

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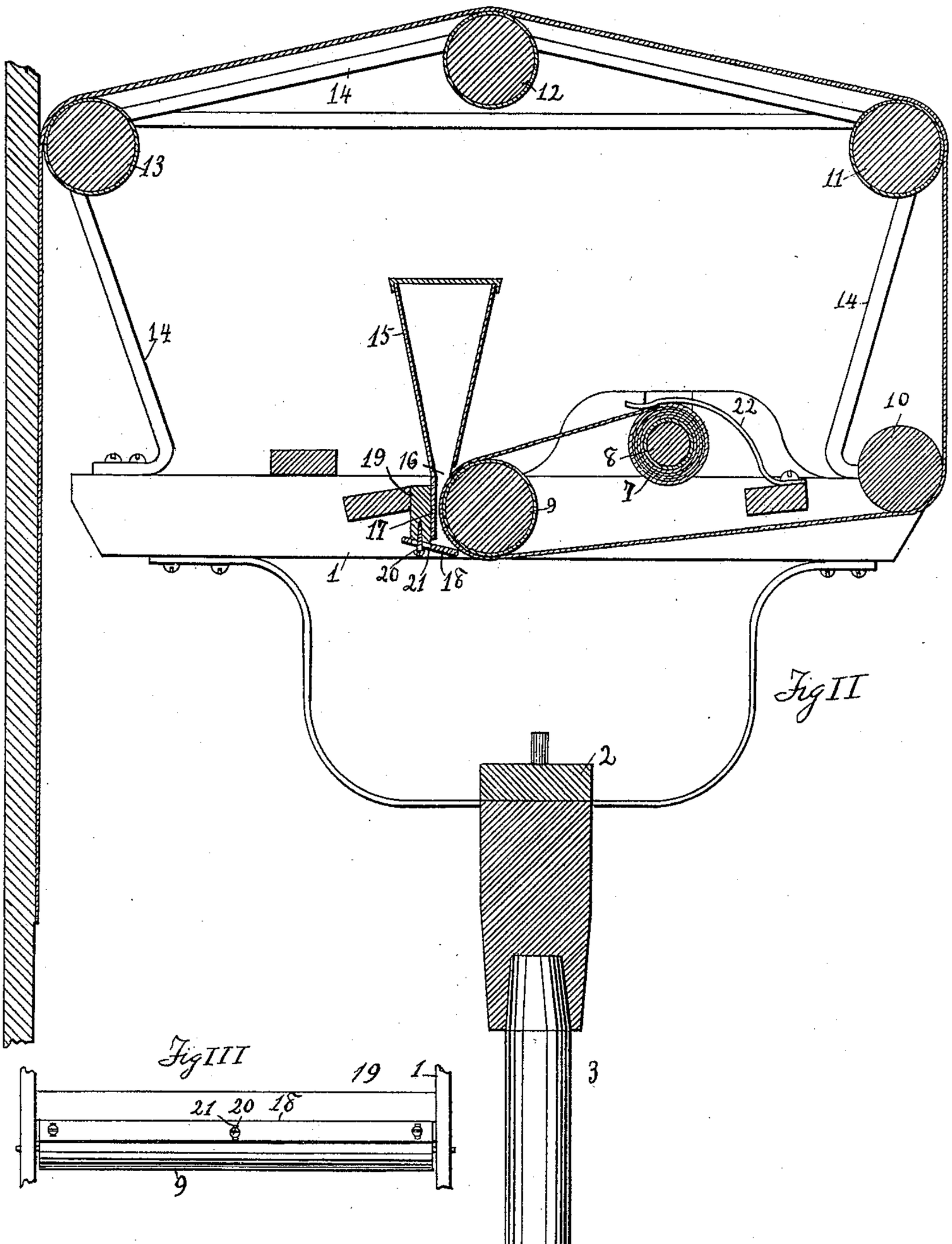

Fig II

Fig III

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UNITED STATES PATENT OFFICE.

GRANT BEAL, OF LADDONIA, MISSOURI.

APPARATUS FOR WALL-PAPER HANGING.

SPECIFICATION forming part of Letters Patent No. 621,595, dated March 21, 1899.

Application filed March 12, 1898. Serial No. 673,597. (No model.)

To all whom it may concern:

Be it known that I, GRANT BEAL, a citizen of the United States, residing at Laddonia, in the county of Audrain, in the State of Missouri, have invented certain new and useful Apparatus for Wall-Paper Hanging, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to a certain new and useful apparatus for paper-hanging. As now practiced the paper-hanger—that is, the one who makes a business of papering the walls and ceilings of rooms—when he papers the walls must apply the paste to the paper upon a table or scaffold provided for that purpose and then, with each strip of paper, must mount upon a step-ladder to carry the paper to the top of the wall, which is done with great inconvenience and labor, and when papering the ceiling of the room must erect a scaffold to bring himself within working reach of the ceiling. To obviate the difficulty and expense of erecting a scaffold and the labor and time of carrying each strip of paper up a step-ladder to place it on the wall, in my apparatus is provided the means by which the operator, standing on the floor of the room, may apply the paper to all parts of the wall or ceiling. To accomplish this, my invention consists of certain features of novelty hereinafter described, and pointed out in the claims.

Figure I represents a perspective view of my apparatus. Fig. II represents a cross-section of the same on the line *x x* of Fig. I. Fig. III represents a detail view of the strip controlling the flow of the paste upon the paper.

Similar numerals refer to similar parts throughout the several views.

1 represents a frame having a cross-bar 2, arranged to be mounted on a staff 3, which slides vertically in the head 4 of the tripod 5, mounted on rollers 6. On the frame is mounted a roll of paper 7 on the roller 8 and thence passing over the rollers 9 and 10 on the frame and the rollers 11, 12, and 13, mounted on the brackets 14 above the frame.

15 represents a paste-box mounted on the frame contiguous to the roller 9, having a narrow opening 16 in its bottom and provided with a lip 17, so arranged that a thin film of paste will pass between it and the paper on the roller 9.

18 represents a paste-controlling strip or guide adjustably secured on the cross-bar 19 by the screws 20 in the slots 21 and arranged to impinge on the paper as it passes over roller 9 to remove the superfluous paste and insure an even distribution of the paste upon the paper.

22 represents a spring arranged to bear upon the roll of paper and prevent undue slack in the paper as it unrolls therefrom.

In operation the paper from the roll 7 is carried over the roller 9, in passing around which it receives a thin coating of paste from the paste-box, the lip 17 providing for the application of an even thin film of paste thereto in passing and the strip 18 preventing the uneven accumulation or thick spots of the paste upon the paper. Said strip 18 is made adjustable to accommodate it to the slight differences in the thickness of the different grades of paper.

From roller 9 the paper is passed around the roller 10 and thence up and over the rollers 11, 12, and 13, when by pressing the paper between roller 13 and the wall and moving the apparatus up over the wall the paper will adhere to the wall and be drawn out off the roll, and thus the papering will be done evenly and smoothly. It is obvious that in papering the walls either the roller 13 or 11 may be used, the difference being that in using roller 13 it should start at the bottom and work up, and in using roller 11 it would be necessary to start at the top and move down; and in papering the ceiling the start at the angle of the wall and ceiling is made with the roller 13 for a short distance and the force is then applied to the roller 12 and the strip finished at the angle of the other wall with the roller 11, the apparatus being carried up to the ceiling by extending the staff 3 up through the head of the tripod and retaining it at the proper height by the key 23 passing through the staff, and is then carried over the ceiling by moving the tripod on its rollers over the floor, the legs of the tripod being so arranged that the device may be carried closely to the wall and the paper pasted closely at the angle of the walls and ceiling.

It is apparent that the bracket 14 and the rollers 11, 12, and 13 might be omitted and the paper applied to the wall by the roller 10. This would make a convenient form for papering the walls, but would not be as desirable and effective for papering the ceiling as the form with the bracket and its rollers.

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

1. An apparatus for wall-paper hanging, consisting of a frame arranged to carry a roll of wall-paper, a paste-box mounted on said frame having a narrow opening in the bottom thereof, a roller on the frame arranged to carry the paper from the roll across the opening in the paste-box, a lip on the paste-box extending below said opening arranged to control the deposit of paste upon the paper, an adjustable strip impinging on the paper below said opening arranged to control the even spread of the paste upon the paper, a roller mounted on the frame arranged to carry the paper away from the paste-box, and a series of rollers mounted above the frame arranged to carry the paper over the wall and ceiling, substantially as set forth.

2. An apparatus for wall-paper hanging consisting of a frame arranged to carry a roll of paper, a paste-box mounted on the frame having a narrow opening in the bottom thereof, a roller on the frame arranged to carry the paper from the roll across the opening in the paste-box, a roller mounted on the frame arranged to carry the paper away from the paste-box, a bracket mounted over the frame, and a series of rollers mounted on said bracket arranged to carry the paper over the ceiling substantially as set forth.

3. An apparatus for wall-paper hanging consisting of the combination with a frame arranged to carry a roll of wall-paper, a paste-box mounted on the frame having a narrow opening in the bottom thereof, a roller mounted on the frame arranged to carry the paper from the roll across the opening in the paste-box, a lip on the paste-box extending below said opening arranged to control the deposit of paste upon the paper, an adjustable strip impinging on the paper below said opening arranged to control the even spread of the paste upon the paper, and a roller mounted on the frame arranged to carry the paper away from the paste-box, of a bracket mounted over the frame and a series of rollers mounted in said bracket arranged to carry the paper over the walls and ceiling substantially as set forth.

GRANT BEAL.

Witnesses:
J. G. HOFFMAN,
J. T. YOUNG.