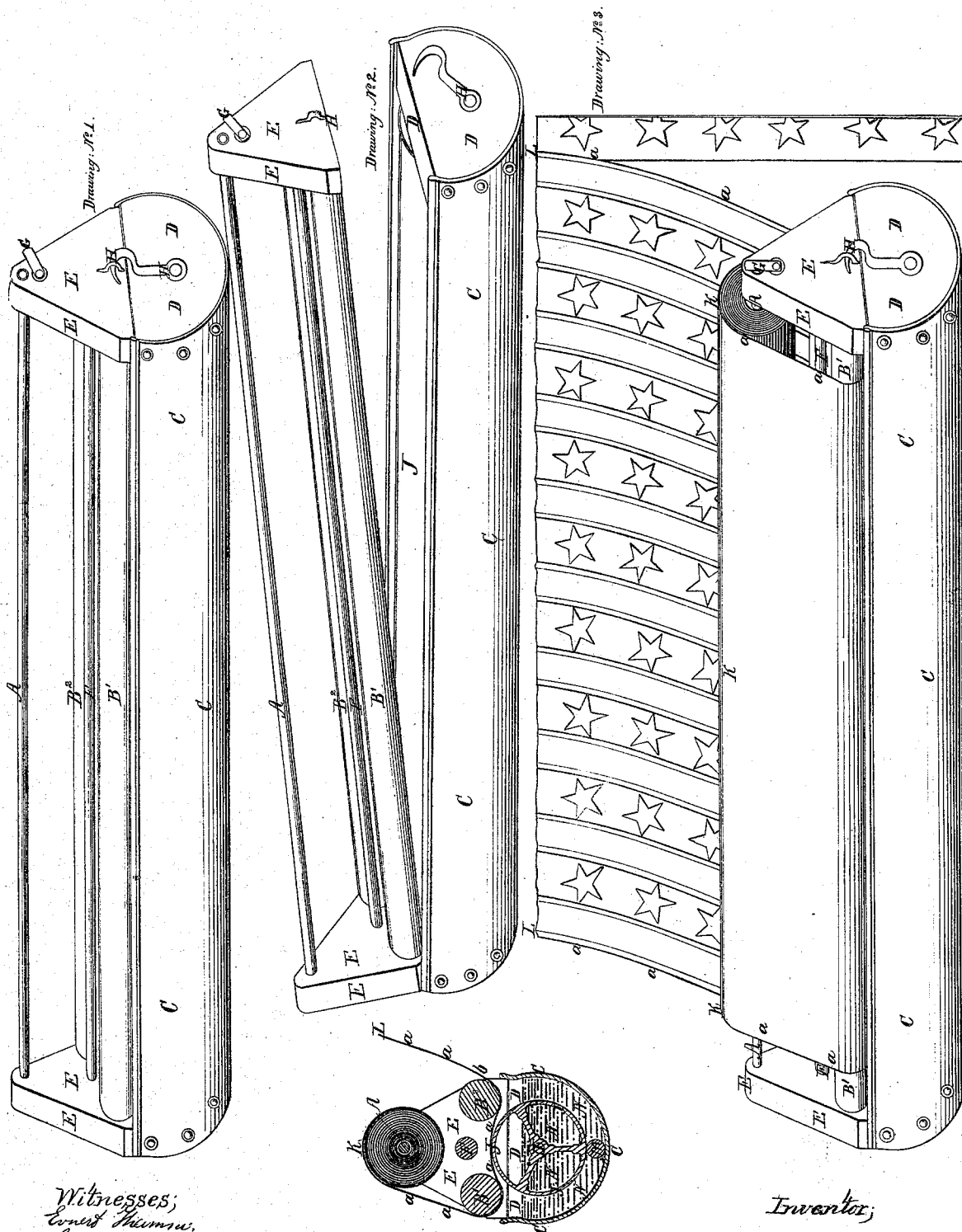


A.H. Clay.
Paper Hanging Mach.

No. 87,545.

Patented Mar. 9, 1869.



Witnesses;
Conrad Thumser,
Chas. G. A. Thumser

Inventor;
Amos Harvey Clay

UNITED STATES PATENT OFFICE.

AARON HARVEY CLAY, OF POTTS GROVE TOWNSHIP, PENNSYLVANIA.

APPARATUS FOR PASTING AND HANGING WALL-PAPER.

Specification forming part of Letters Patent No. 87,545, dated March 9, 1869.

To all whom it may concern:

Be it known that I, AARON HARVEY CLAY, of Pottsgrove township, Montgomery county, Pennsylvania, have invented a new and useful Machine for Applying Wall-Paper to Walls; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being made to the accompanying drawings, showing various perspective views, the same being made a part of this specification.

I construct my machine of tin, though any other suitable material will do.

Drawing No. 1 represents a perspective of the upper part, the side, the ends, and general elevation of the paper-hanging machine. Its details are as follows: A shows the iron axle-rod upon which the roll of wall-paper is placed. B¹ B² show the two tighteners or guide-rollers for the transit of wall-paper through the machine; C, semi-cylindrical paste-reservoir; D, the end frame-pieces of paste-reservoir; E, the end frame-pieces through which the ends of wooden tie-rod F pass, for binding the said end frame-pieces E together; G, the brass stop to prevent the iron axle-rod A from slipping out when the roll of wall-paper is placed upon it; H, brass hook and eye for retaining the frames D and E together when the wall-paper has been adjusted on axle-rod A and on the guide-rollers B¹ and B².

Drawing No. 2 represents a perspective view of the paper-hanging machine when opened for the purpose of filling the reservoir C with fluid paste, thereby exposing to view the pasting-roller J within the semi-cylindrical paste-reservoir C. It is also opened for adjusting the roll of wall-paper on the iron axle-rod A, as well as on the fixtures, or tighteners, or guide-rollers B¹ and B². Description of other details of this diagram is precisely the same as Drawing No. 1.

Drawing No. 3, Figure 1 represents a perspective view of the paper-hanging machine, with the roll of wall-paper K adjusted on the iron axle-rod A, and under the simultaneous operation of the paper, *a a a*, being

pasted and hung on the wall L L. The remaining description of details is precisely the same as in Drawing No. 1.

The pasting process and direction taken by the wall-paper will be found more explanatory in the description and diagram, cross-section, Drawing No. 3, Fig. No. 2.

Drawing No. 3, Fig. 2, represents a cross-section of the paper-hanging machine; and it will be observed in this diagram that a clear and comprehensive view is at once conveyed, not only as to its simple mechanism, but as to the method of conveying the paper *a a a* off the roll K to its final application on the wall L.

The details are as follows: When the roll of paper K has been adjusted on the axle-rod A, and the paper *a a a* has commenced its adhesion to the wall L, it will be observed that by the simple pressure downward of the hand-machine generally, all the rollers will be set in motion, the paper *a a a* starting from the roll of wall-paper K, and descending to the first tightener or guide-roller, B¹, and passing underneath it on the surface of the paste-roller J, from which the paper *a a a* receives a uniform covering of paste, and in that condition progresses toward the second tightener or guide-roller, B², and, slightly descending, passes underneath said roller to its final exit from the hand pasting and paper-hanging machine, at point *t*, to its gradual and regular adhesion to the wall L, as Fig. No. 1 fully illustrates. The small paste-roller M (when the fluid paste N gets too low in the paste-reservoir C C C) supplies all the residue paste to the large paste-roller J, to its entire and final absorption.

What I claim as my invention, and desire to secure by Letters Patent, is—

A peculiar combination of rollers, revolving in a reservoir, whereby paste is uniformly applied to wall-paper while being hung upon the wall, as shown in the accompanying drawings and specification.

AARON HARVEY CLAY.

Witnesses:

L. H. DAVIS,
WM. L. WILLIAMSON.