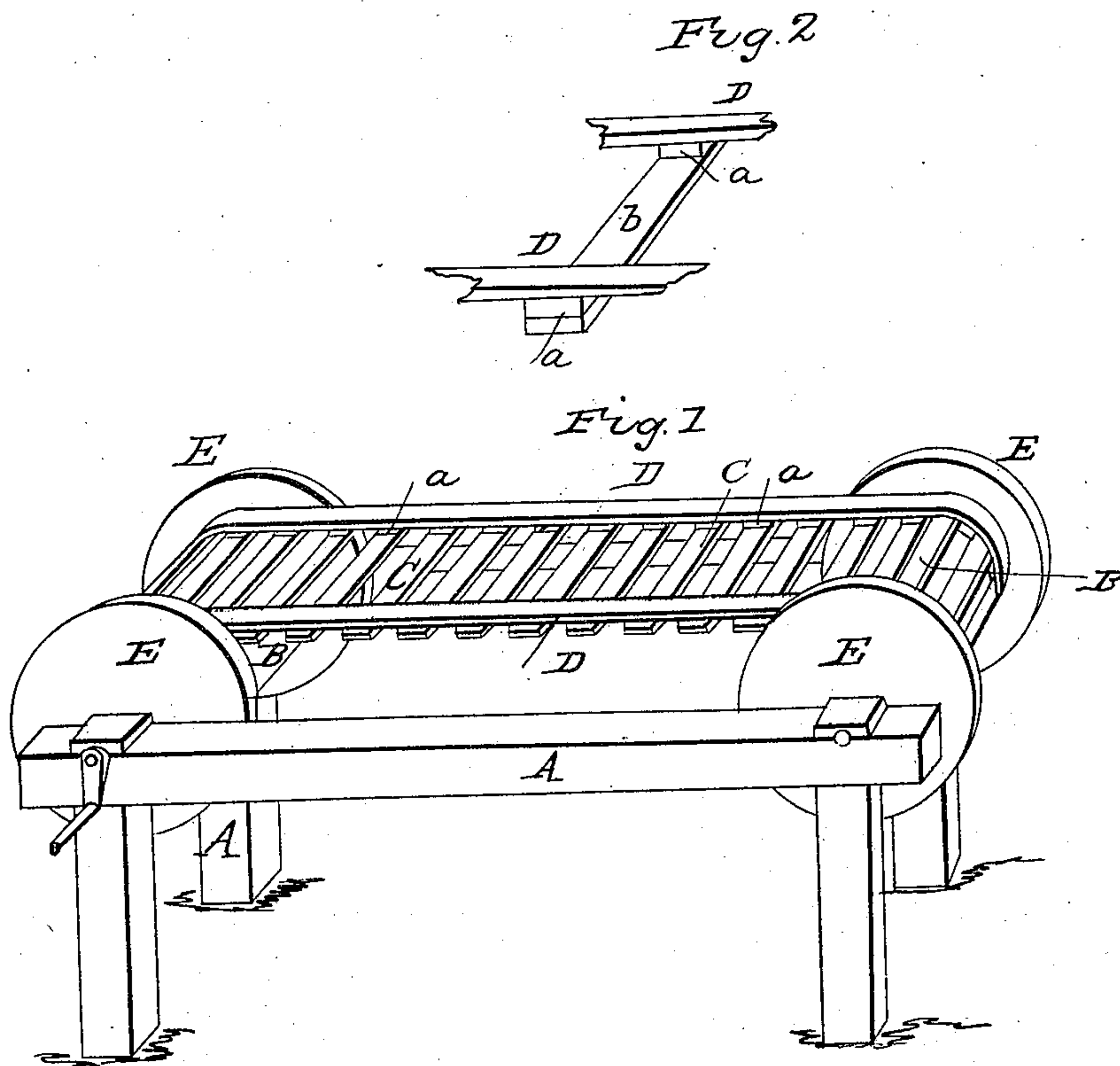


D. SAMPSON.
Drying Oil Cloth.

No. 206.

Patented May 30, 1837.



UNITED STATES PATENT OFFICE.

DANIEL SAMPSON, OF WINTHROP, MAINE.

MACHINE FOR DRYING OILCLOTHS, FOR PAINTED TABLE-COVERS, &c.

Specification of Letters Patent No. 206, dated May 30, 1837.

To all whom it may concern:

Be it known that I, DANIEL SAMPSON, of Winthrop, in the county of Kennebec and State of Maine, have invented a new and useful Machine for the Purpose of Drying Oilcloths, such as are Used for Painted Table-Covers and for other Purposes, by which machine the necessity of extending the cloth in length, after passing it through the paint-trough, or otherwise covering it with paint, is obviated, and the cloth is wound up, so as to occupy but little space; and I do hereby declare that the following is a full and exact description thereof, reference being had to the drawing which accompanies and makes a part of this specification.

Instead of extending out the cloth in lengths for the purpose of drying it, after it has received the paint, I wind it round a shaft, spirally, in such a way that the painted side shall be fully exposed to the action of the air, while it is, at the same time, prevented from coming into contact with the contiguous coil, or with any part of the machine.

A, A, in the accompanying drawing, is the frame of the machine.

B, B, are two shafts, or cylinders, around one of which the painted cloth is to be wound. To wind the cloth on the cylinders, I prepare a band of slats, which slats are united together at their ends by webbing, or by a leather, or other, strap of any convenient width, say one and a half inch for a machine of ordinary size.

C, C, are the slats, and D, D, the straps by which they are connected together. The slats are placed at any convenient distance apart, say one inch, and they must be of such length as to allow the cloth to lie upon

them, widthwise, between the connecting straps. The straps must be raised above the slats to a sufficient distance to allow a space for the cloth, which will prevent its painted side from coming into contact with the contiguous slats, when wound. For this purpose, I put between the strap and each slat, a thickness of sole leather, a small block of wood, or other suitable material, as shown at *a, a*. One of the slats thus thickened at the ends, is shown separately in Figure 2, where *b* is the slat, *a* the piece placed between it and the strap, and *D*, the strap.

The band of slats may be fifty, or sixty, feet in length, or longer if desired; and their ends are fastened respectively upon the two slats above named. When the painted cloth is to be operated on, the whole band of slats is first wound on one of the shafts; the end of the cloth is then attached to one of them, or to the shaft, upon which it is to be wound; this shaft is then turned by a winch, or otherwise, as the paint is spread on the cloth, and it is received, and retained, upon the slats, and suffered to remain there until the drying is completed. The shafts may have circular heads *E, E*, or cross bars, upon their ends to guide the band of slats as it is wound thereon.

What I claim as my invention, is—

The construction of a machine, such as I have herein described, in which oilcloth is wound upon a shaft, or drum, by the aid of a continuous band of slats, for the purpose of being dried, substantially in the manner set forth.

DANIEL SAMPSON.

Witnesses:

T. NEWMAN,
SAML. WOOD, Jr.