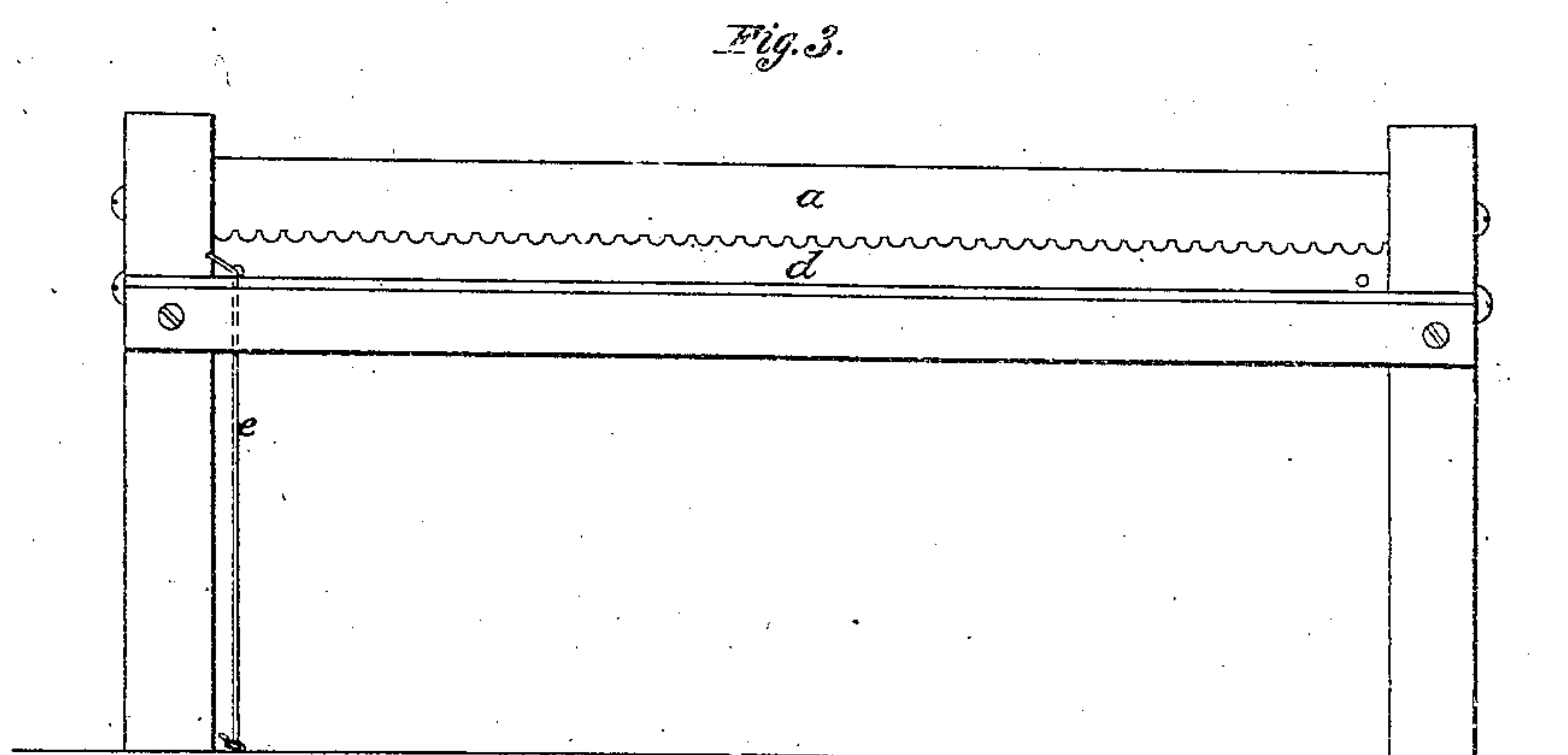
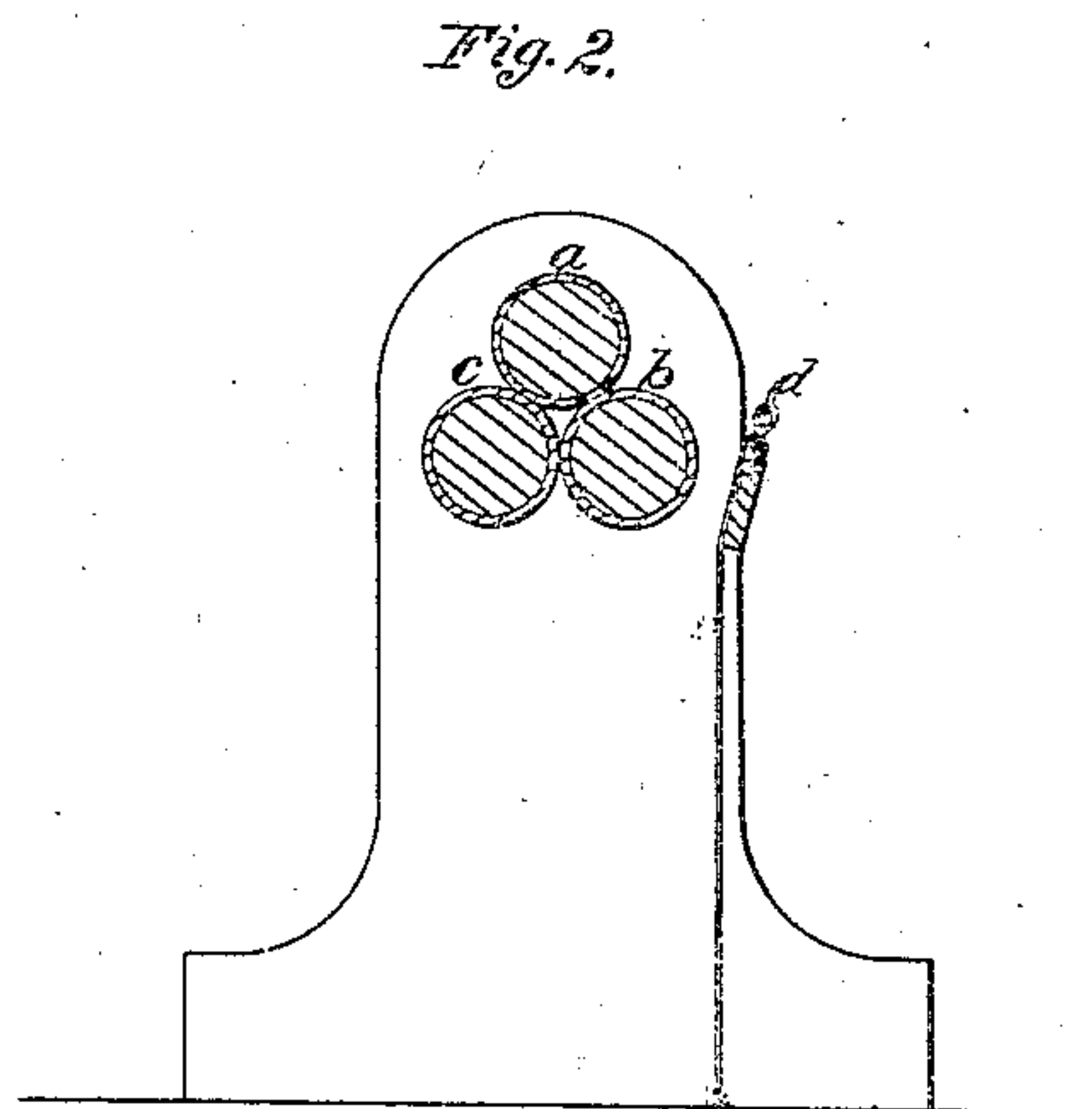
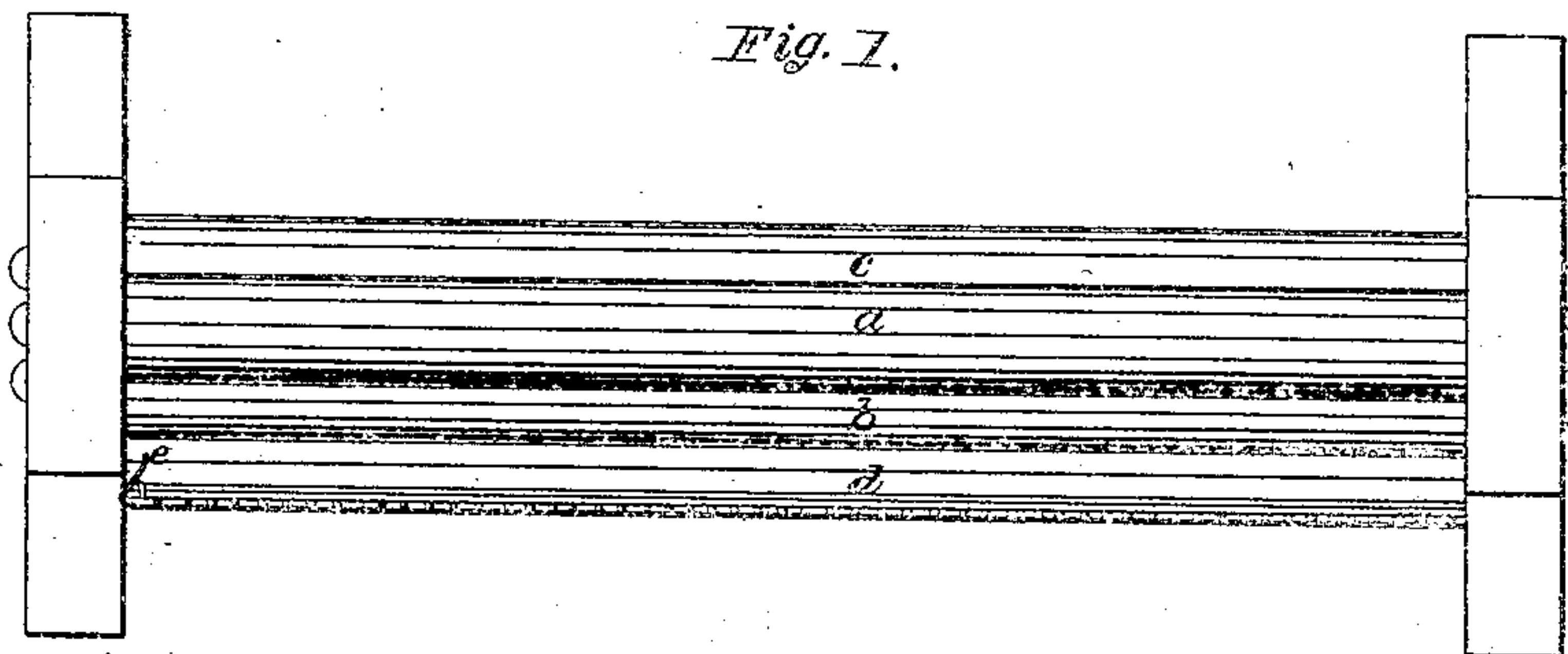


W. K. PLATT.
CARDING ENGINE.

No. 39,776.

Patented Sept. 1, 1863



Witnesses,
H. P. Hale Jr.
C. H. Bean.

Inventor,
Wm K. Platt
by his attorney
R. H. Hedy

UNITED STATES PATENT OFFICE.

WM. K. PLATT, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF,
GEO. S. HARWOOD, AND GEO. H. QUINCY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN CARDING-ENGINES.

Specification forming part of Letters Patent No. 39,776, dated September 1, 1863.

To all whom it may concern:

Be it known that I, WILLIAM K. PLATT, a resident of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in the Carding-Engine; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a vertical section, and Fig. 3 a front view, of the rubbers or condensing-rollers of a finisher carding-engine, together with my invention.

In such drawings I have not deemed it necessary to show the remaining parts of a finisher carding-engine, because they are well-known to persons skilled in the art of carding wool or other fibrous material.

In carrying out my invention I combine with a carding-engine a mechanical means, device, or devices by which the electricity which may gather in the wool or fibrous material during the carding or any previous process may be drawn and conducted away therefrom. It is well known that the accumulation of electricity in wool while being carded is often annoying as well as a serious obstacle, and is productive of or likely to produce more or less injury to the sliver or roping, as it causes more or less entanglement of the fibers of such, and consequent waste. To get rid of this electricity I combine with the carding-engine an attraction bar or device and one or more electrical conductors, the combination of such with the carding-engine constituting the nature of my invention. The said attraction-bar, being of metal and formed somewhat like a saw-blade, may be arranged or placed directly in front of or near to the rubbers of a finisher

card, and so as to be directly underneath and give support to the series of ropings or slivers proceeding therefrom, and this attraction bar or device should have an electric connection with the floor on which the machine may be situated, or with the ground under the same.

In the drawings, *a b c* denote the condensing-rubbers of a finisher carding-engine, while *d* is the attraction-bar, and *e* the electrical conductor leading therefrom. The attraction-bar is represented as provided on its upper edge with a series of semicircular notches to receive the slivers or ropings as they proceed from the rubbers. In passing over and in contact with the said bar the slivers or ropings will have their surplus electricity abstracted from them by it, such electricity being conveyed away to the earth through the conductor.

A metallic bar and an electrical conductor may be applied to any other description of carding-engine—as, for instance, to the first or second breakers, or to a finisher provided with tubes for twisting the slivers, and so that the bar, by being in contact with or close proximity with the cardings or slivers that may be made by such engine, shall operate to remove from such carding or slivers the accumulated electricity thereof.

I claim—

The combination of the electrical attraction-bar and its conductor, or the equivalent or equivalents thereof, with a carding-engine, the same being substantially as and for the purpose specified.

WILLIAM K. PLATT.

Witnesses:

LEWIS GODBORE,
M. MANSFIELD.