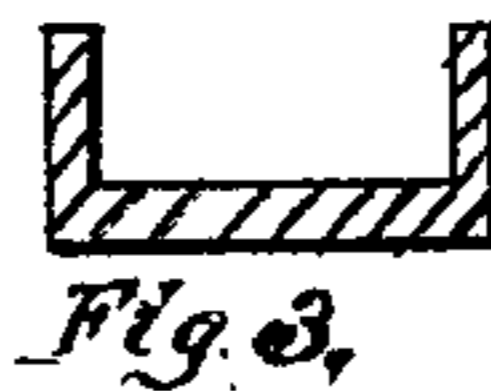
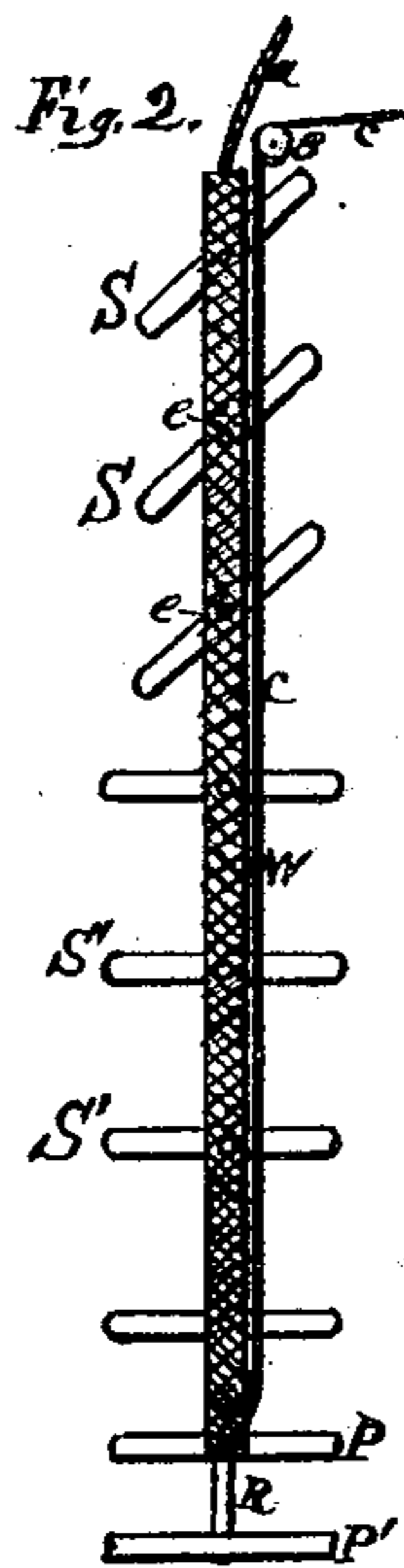
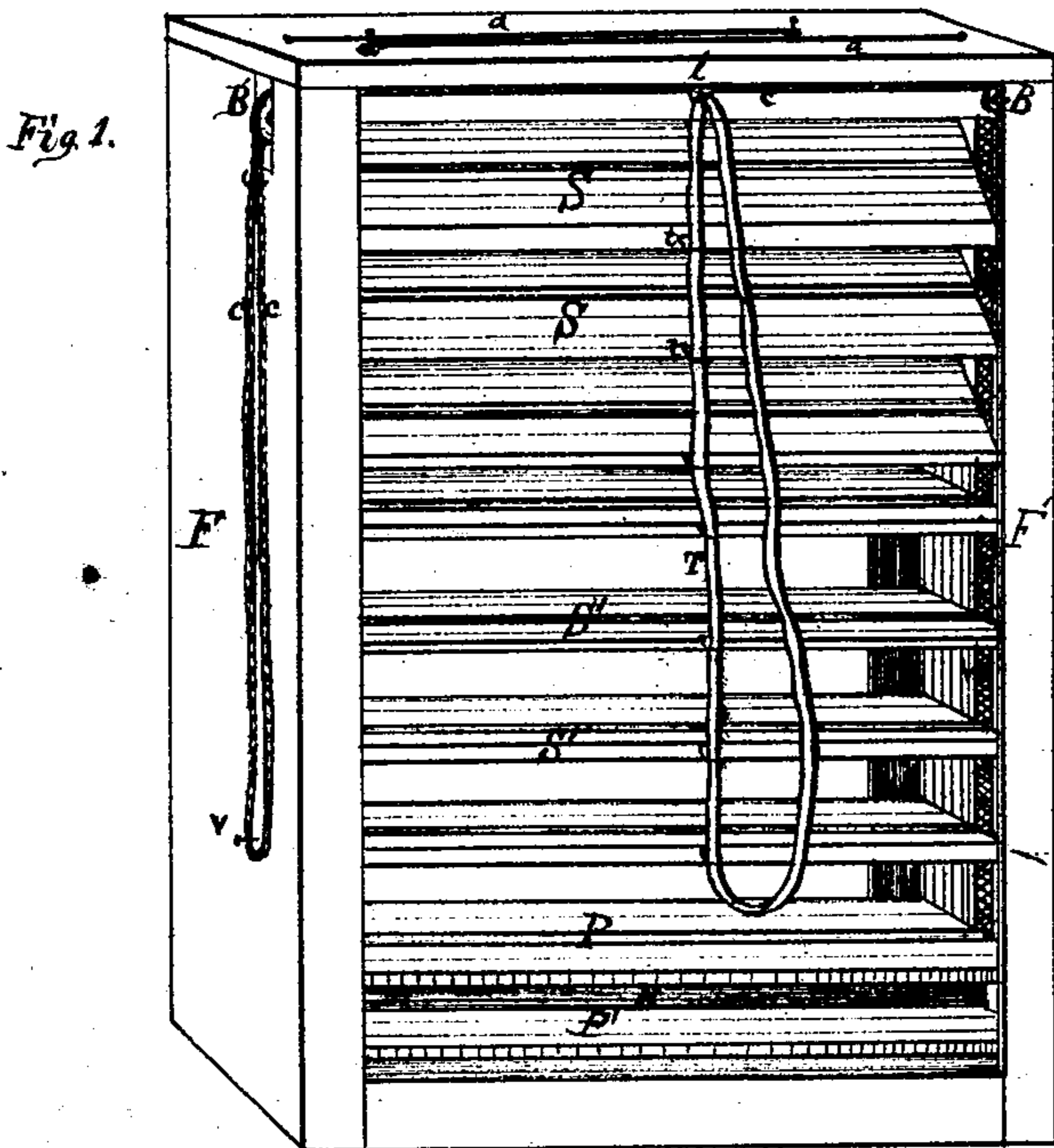


F. R. Osgood;

Inside Blind.

No. 108819

Patented Nov. 1. 1870.



Witnesses.

Edward Taggart

Chas. O. Simonds

Inventor.

Franklin R. Osgood

United States Patent Office.

FRANKLIN R. OSGOOD, OF GRAND RAPIDS, MICHIGAN.

Letters Patent No. 108,819, dated November 1, 1870.

IMPROVEMENT IN FOLDING WINDOW-BLINDS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, FRANKLIN R. OSGOOD, of the city of Grand Rapids, county of Kent and State of Michigan, have invented a new and useful Improved Folding Window-Blind; and I do hereby declare that the following is a full, clear, and sufficient description of my invention, reference being had to the accompanying drawing and the letters of reference marked thereon, and the same are made a part of this specification.

In the drawing—

Figure 1 is a general view of my invention in perspective.

Figure 2 is a sectional view of my invention, showing the arrangement of the slats of the blind and the arrangement of the cords and pulley by which the blind is operated.

Figure 3 is a sectional view of the side piece or frame which supports the blind.

To enable others who are skilled in the branch of mechanics to which the manufacture of my invention belongs to make the same, I will proceed to describe its construction.

In fig. 1, F F' represents the frame designed to support the slats, and is fixed in a stationary position on the inside of the window to which the blind is applied.

The slats S S' are supported at either end by strong tape or webbing, as shown in figs. 1 and 2, by W.

The slats are fastened to the tape or webbing by means of nails, bolts, or screws passing through the webbing into the center of the ends of the slats, thus leaving each slat free to turn in any desired direction. These nails or screws are shown in fig. 2 by E E.

The side pieces F and F' are grooved, as shown in fig. 3. The ends of the slats moving in these grooves are thus held in place.

The lower slat is made double, as shown in fig. 2, by P R P'. It is constructed of a single piece of wood, and is not designed to turn, as are the other slats, but to fit closely into the grooves, and act as a guide in raising and lowering the blind.

Instead of using the part P R P', an ordinary slat may be used by fastening the webbing to the outer edges, instead of to the center, as is done with the revolving slats.

The upper end of the webbing is attached to the cords *a* and *a'*, which cords may be fastened to pins, as shown in fig. 1.

By removing the cords *a* and *a'* from the pins the top slats of the blind are lowered.

C and C' are two cords, used in raising and lowering the blind from the button.

The cord C' passes over the pulley B', from thence to the right of the frame and over the pulley B, thence downward in the grooves in F' and attaches to guide P R P'.

The cord *c* passes over the pulley B' and downward in the groove in the frame F, and attaches to the end of the part P R P'.

These two cords may be united and held by means of a bolt, as shown in fig. 1, by V.

By raising or lowering the cords C C' the blind is lowered or raised at pleasure.

In fig. 1, T is an ordinary tape or ribbon attached to the edges of the revolving slats in the following manner: The tape or ribbon is looped at suitable distances, the loops secured or fastened together, and the ends of the loops fastened to the inner edges of the revolving slats, as shown in the figure. The lower end of the tape may be provided with a tassel, for convenience in using and for ornamentation. By operating this tape or ribbon the slats may readily all be opened or closed at once, and, on account of the above-described attachment, any one or more of the slats may be turned without affecting the remainder of the slats.

The device for raising and lowering the blind from the bottom may be applied with equal advantage in lowering and raising the blind from the top.

I design my invention to be used only as an inside window-blind. It is more easily adjusted and more fully adjustable than ordinary blinds, inasmuch as each slat may be adjusted separately. It can also be manufactured at very little expense.

Having thus described my invention,

What I claim to have invented, and desire to secure by Letters Patent, is—

1. The combination and arrangement of the cords *a* *a'* and web W, for the purpose of lowering and raising the blind independent of the cords C C', substantially as herein set forth.

2. The looped tape or ribbon T, in combination with the slats S S', when arranged to operate as and for the purposes set forth.

FRANKLIN R. OSGOOD.

Witnesses:

EDWARD TAGGART,
CHAS. O. SIMONDS.