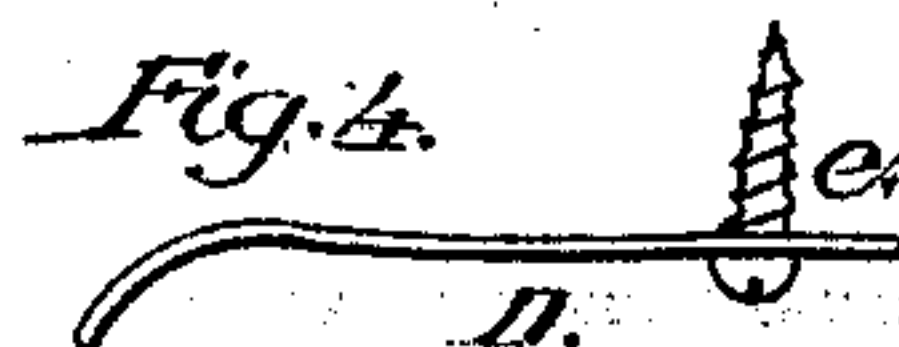
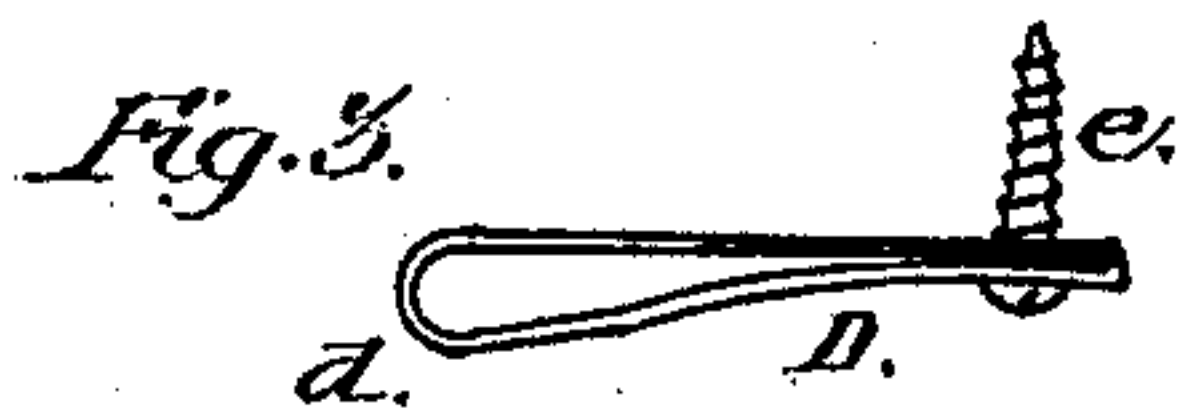
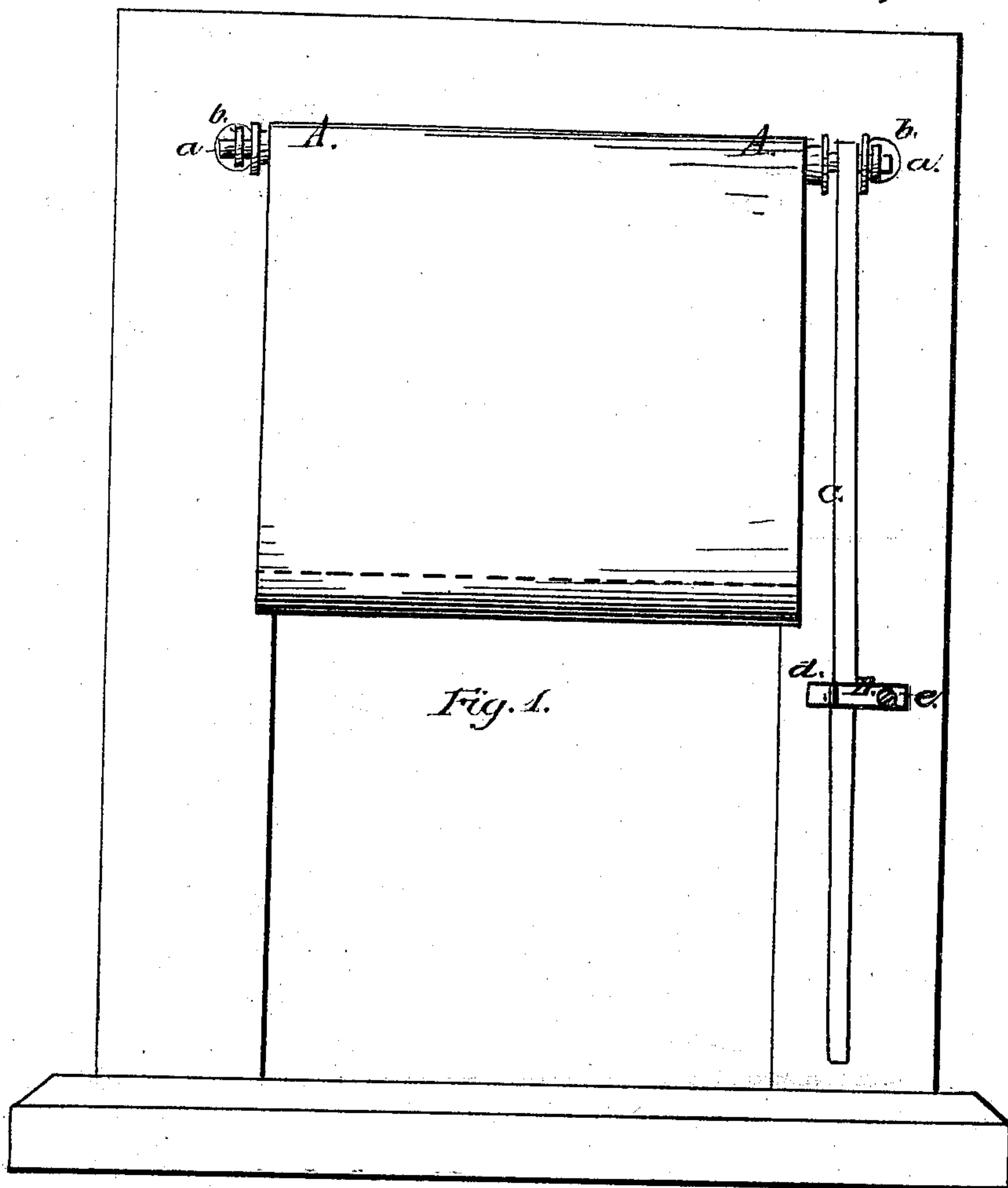


L. G. Dodge.

Curtain Fixture.

Nº 91,923.

Patented Jan. 29, 1869.



Witnesses:
R. Hersh
J. A. Miley

Inventor:
Lee Grand Dodge

United States Patent Office.

LE GRAND DODGE, OF SYRACUSE, NEW YORK.

Letters Patent No. 91,923, dated June 29, 1869.

IMPROVED CURTAIN-FIXTURE.

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, LE GRAND DODGE, of Syracuse, in the county of Onondaga, and State of New York, have invented a new and useful Improvement in Window-Curtain Fixtures; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of the curtain and fixtures.

Figures 2, 3, and 4, are detail views.

Similar letters of reference indicate like parts.

This invention relates to an improved device for holding the window-cord or tape, whereby the fixtures can be manufactured at a less cost than heretofore, as hereinafter more fully described.

In the accompanying drawings—

A is the curtain-roller, and

a a its gudgeons.

The bearings for these gudgeons consist in screws B, fig. 2, having heads *b* of a hook or bracket-form.

These bearings are cheaply made, the screw-thread B being cast with its head *b* of malleable iron; and they are also put up with less labor than bearings of ordinary construction.

The cord or tape C is held by a loop, D, fig. 1, made of thin sheet-metal.

The eye of the loop is made large enough, so that the tape is free when brought into said loop *d* by a side movement; but the loop at D is made of a wedging or tapering form, as seen in fig. 3, so that by car-

rying the tape sidewise, it jams in the narrow part of the loop.

The loop D being made of thin sheet-metal, has a degree of elasticity that improves its holding-quality, although elasticity can be dispensed with in their construction.

These loops are struck out of thin sheet-metal with great rapidity, a single blow shaping and completing a loop, and can be provided at a cost considerably less than those of the ordinary construction.

It may be modified so as to consist in a flat piece, D, fig. 4, with its end turned out, to guide the cord behind it, and the cord be removed from the holder D, and replaced when the curtain is raised or lowered. However, I prefer the loop-form of holder, as shown in figs. 1 and 3.

By these means, I obtain a very cheap and simple set of fixtures, which are also put up with the greatest facility.

Having thus described my invention,

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

As a new article of manufacture, the spring-loop, or clasp D, constructed as herein described, to receive and hold the window-cord or tape, by a side movement thereof, for the purpose specified.

The above specification of my invention signed by me, this 11th day of December, 1868.

LE GRAND DODGE.

Witnesses:

R. HIRSH,

F. A. MORLEY.