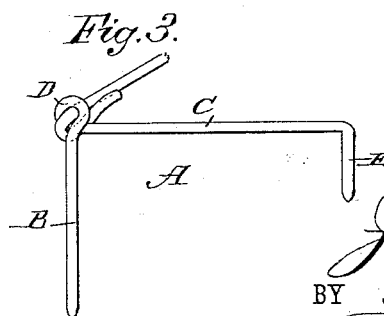
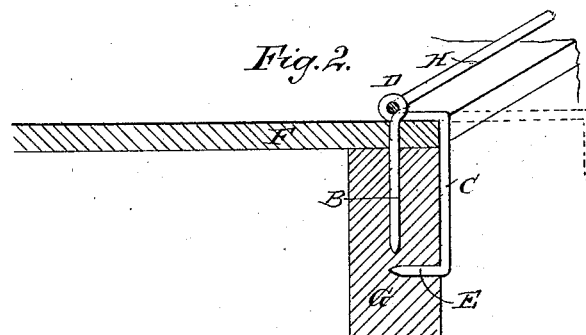
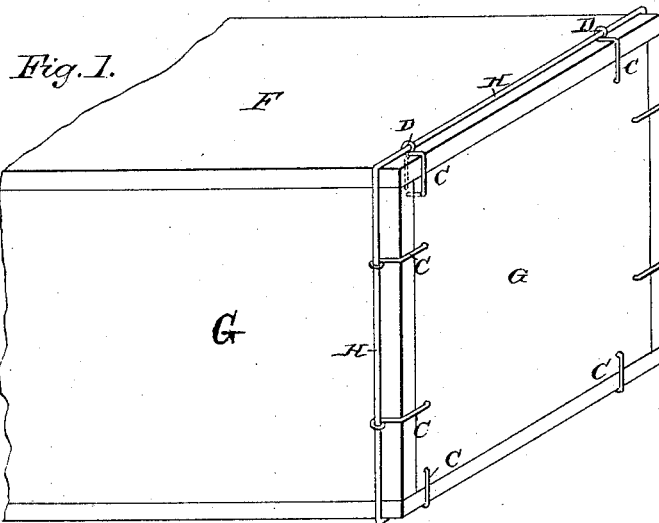


(No Model.)

J. A. GRIFFITHS.
WIRE BINDER FOR BOXES.

No. 345,895.

Patented July 20, 1886.



WITNESSES:

Proctor
& Sedgwick

INVENTOR:

J. A. Griffiths
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES A. GRIFFITHS, OF WINTER PARK, FLORIDA.

WIRE-BINDER FOR BOXES.

SPECIFICATION forming part of Letters Patent No. 345,895, dated July 20, 1886.

Application filed September 24, 1885. Serial No. 178,033. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. GRIFFITHS, of Winter Park, Orange county, Florida, have invented a new and Improved Wire-Binder for Boxes, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved wire-holder for holding the binding-wires on boxes—for instance, such as are used for shipping oranges or other merchandise.

The invention consists of the combination of parts, including their construction, substantially as hereinafter described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of one end of a box provided with my improved fastener. Fig. 2 is an enlarged cross-sectional view of the same, and Fig. 3 is a detail perspective view of the fastener.

The wire A has both ends pointed, and a short distance from one end it is bent to form the prongs B C at a right angle to each other, and the eye D at the angle. The end of the prong C is then bent at a right angle to form the prong E parallel with the prong B.

The prongs B of the several fasteners are driven through the cover F of the box and into the top edges of the sides and ends G of the box, until the eyes D only project from the upper surface of the cover. The prongs C are then bent down on the ends of the box, and the prongs E are driven into the ends of the box. H is the binding-wire, which is passed through the eye D of each of the fasteners and suitably secured at its ends.

The fasteners thus not only serve to hold the binding-wires on the box, but also assist in holding the top, bottom, ends, and cover of the box together.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a binding device, the combination of the fasteners, each having two prongs, one having its main portion at a right angle to the other prong, and its point portion parallel to said other prong, said fasteners also having eyes at the angles between said prongs, and the wire passing through said eyes of the fasteners, substantially as and for the purpose set forth.

JAMES A. GRIFFITHS.

Witnesses:

ISAAC A. ELLINGWOOD,
A. S. ROGERS.