

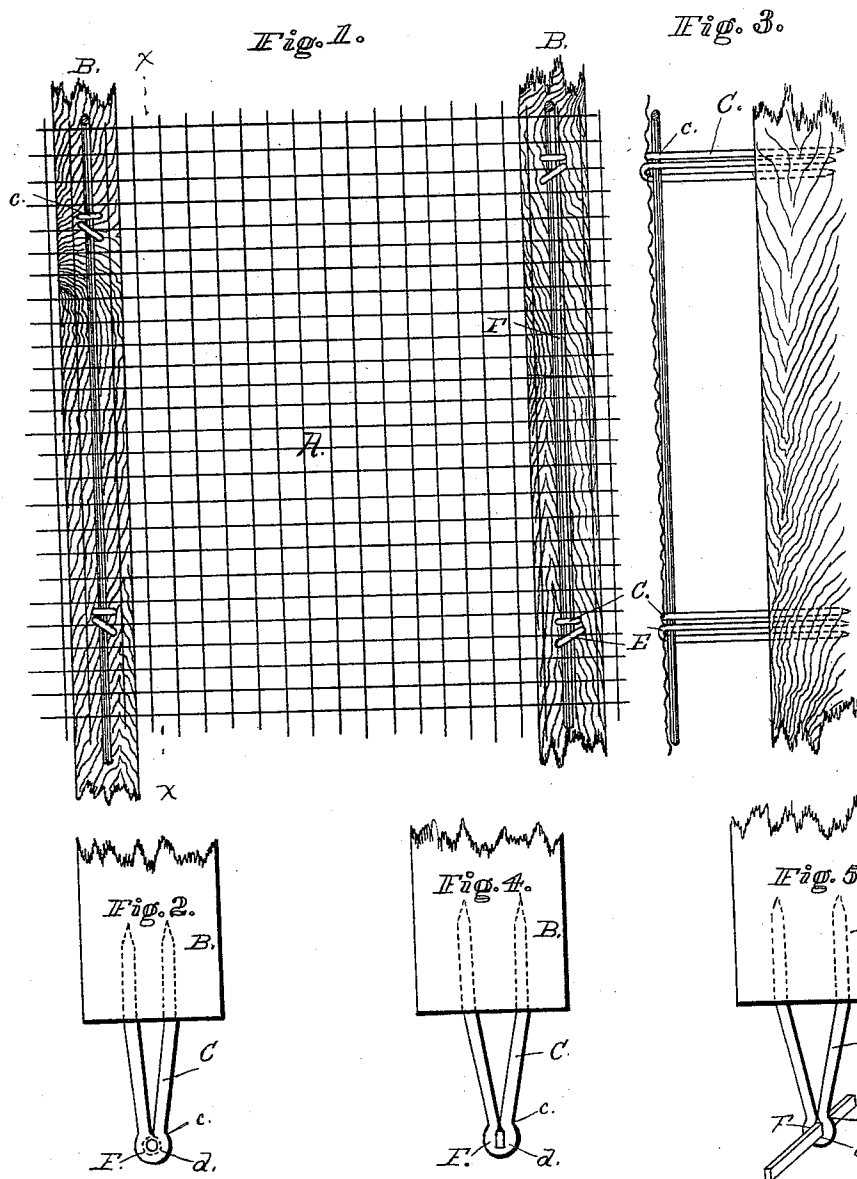
(No Model.)

E. GILBERT & P. DRENDUL.

STAPLE BRIDGING OR FURRING FOR WIRE LATHING.

No. 433,894.

Patented Aug. 5, 1890.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWIN GILBERT, OF GEORGETOWN, CONNECTICUT, AND PAUL DRENDUL, OF CHICAGO, ILLINOIS, ASSIGNORS OF ONE-THIRD TO LOUIS G. BEERS, OF CHICAGO, ILLINOIS.

STAPLE BRIDGING OR FURRING FOR WIRE LATHING.

SPECIFICATION forming part of Letters Patent No. 433,894, dated August 5, 1890.

Application filed January 31, 1890. Serial No. 338,780. (No model.)

To all whom it may concern:

Be it known that we, EDWIN GILBERT, of Georgetown, in the county of Fairfield and State of Connecticut, and PAUL DRENDUL, of Chicago, in the county of Cook and State of Illinois, both citizens of the United States, have invented certain new and useful Improvements in Staple Bridging or Furring, of which the following is a specification.

Our invention relates to an improvement in staple bridging or furring designed to be used in the art of securing wire lathing to the joists and studs of buildings for the reception and retention of plaster; and it consists in certain peculiarities of the construction and novel arrangement of the devices employed, as will be hereinafter more fully set forth and specifically claimed.

The object of our invention is to afford a simple, inexpensive, and effective means of securing the lathing to and retaining it a short distance from the joists or studs, thus allowing sufficient space for the plaster when placed upon the lathing to clinch back of the meshes thereof, and also quite a space between the plastered lathing and walls, as is often required in buildings.

In order to enable others skilled in the art to which our invention pertains to make and use the same, we will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a front view showing the piece of wire lathing secured to the joists or wall. Fig. 2 is a detail view showing a section of a joist and a supporting staple and rod. Fig. 3 is a vertical sectional view taken on line *x* *x* of Fig. 1, and Figs. 4 and 5 are detail views showing a section of a joist and a supporting staple and rod quadrilateral in form clamped in the staple.

Similar letters refer to corresponding parts throughout the different parts of the drawings.

A represents the lathing, which is made of wire of suitable size and formed with meshes of any desired dimensions.

B B are the joists or studs of the ceiling or wall, into which the staples for holding and supporting the lathing are driven.

C C are the supporting-staples, which, as shown in Figs. 2 and 4, may be made of ordinary round or other form of wire of suitable size and length, and bent, as usual, into a loop,

the free ends of which may be slightly pointed, so as to facilitate driving into the joists or wall.

A rod F, of proper length and stiffness, which may be either a round wire or quadrilateral in form, is inserted in the loop of each staple, and firmly secured at the outer end thereof by clamping the staple together just below the rod, as shown at *c*, in Figs. 2 and 4, which operation will cause a slight indentation *d* in the rod, more especially when it is made quadrilateral in form. As will be understood, these indentations thus formed will prevent the rod from slipping longitudinally, and the bends *c* in the staple retain it rigidly at the desired distance from the joists and wall. The rods may be placed horizontally or longitudinally with the joists, or both ways, when desired. The lathing is now stretched over the bridging thus formed and held taut thereon by the retaining-staples E, (which are formed as the supporting-staples except without the bends *c*), any number of which may be driven over the strands of the lathing and astride of the rod, as is shown.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a staple-bridging for wire lathing, the combination of the supporting-staple C, clamped on the rod F, with the wire lathing A, the rod F, and the retaining-staples E, all constructed, arranged, and operating substantially as shown and described.

2. In a staple-bridging for wire lathing, the combination of the supporting-staple C, clamped on the rod F, quadrilateral in form, with the wire lathing A, the rod F, and the retaining-staple E, all constructed, arranged, and operating substantially as shown and described.

In witness whereof we have hereunto set our hands and affixed our seals at the dates and places below given.

EDWIN GILBERT. [L. S.]

Witnesses as to Edwin Gilbert:

SPENCER C. DOTY,

G. V. VAN DOREN.

Signed at Chicago, Illinois, this 4th day of January, 1890.

PAUL DRENDUL. [L. S.]

Witnesses as to Paul Drendul:

CHAS. F. CRANZ,

CHAS. C. TILLMAN.