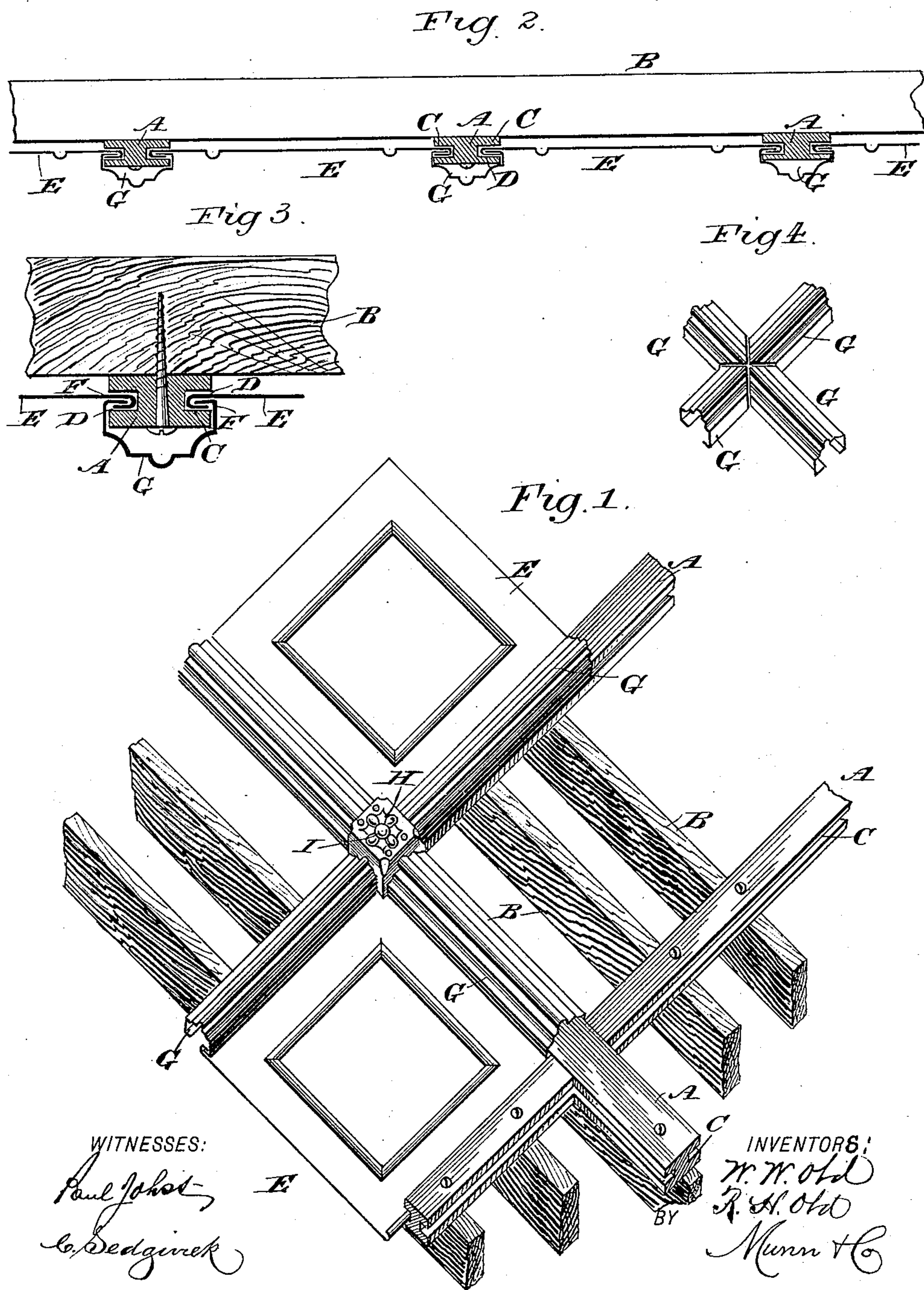


(No Model.)

W. W. & R. H. OLD.
METALLIC CEILING.

No. 481,813.

Patented Aug. 30, 1892.



WITNESSES:

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WILLIAM W. OLD AND ROBERT H. OLD, OF LEADVILLE, COLORADO.

METALLIC CEILING.

SPECIFICATION forming part of Letters Patent No. 481,813, dated August 30, 1892.

Application filed February 24, 1892. Serial No. 422,616. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM W. OLD and ROBERT H. OLD, of Leadville, in the county of Lake and State of Colorado, have invented
5 certain new and useful Improvements in Metallic Ceilings or Walls, of which the following is a full, clear, and exact description.

The object of the invention is to provide certain new and useful improvements in metallic ceilings or walls, whereby the panels
10 are securely held in place to permit of expansion and contraction without bending or bulging and give a neat and finished appearance to the ceiling or wall.

15 The invention consists of panels formed with flanges adapted to engage grooves formed in furring-strips secured to the supporting beams or joists and covering-strips for the furring-strips and formed with flanges interlocking with the flanges of the panels.
20

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

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

Figure 1 is a perspective view of the improvement as applied. Fig. 2 is a sectional side elevation of the same. Fig. 3 is an enlarged sectional side elevation of part of the improvement, and Fig. 4 is a perspective view of the covering-strips at the joint.
30

35 The improved metallic ceiling or wall is provided with furring-strips A, of wood or metal, and secured by suitable means to the beams or joists B, the several strips being placed suitable distances apart, and the cross-strips are mortised into the longitudinal strips, the two standing at right angles to each other.
40 Each of the furring-strips A is formed in its sides with longitudinally-extending grooves C, adapted to be engaged by flanges D, formed on the edges of the panels E, ornamented in any suitable manner by embossing, painting, or otherwise. Each flange of a panel E is engaged by a flange F, projecting from the side edges of a covering-strip G, fitting around the
50 post part of the furring-strip A, as is plainly

illustrated in the drawings. Thus a covering-strip G engages with its two flanges the corresponding flanges D of two adjacent panels, the said flanges being thus interlocked with the flanges D in the grooves C. At the
55 joint of a longitudinal and a transverse furring-strip A the covering-strips G are cut, as illustrated in Fig. 4, so as to form a neat joint, and this joint is covered up by a suitable rosette H, as is plainly illustrated in Fig. 1.
60 The rosette H spans the ends of the covering-strips G and is fastened by an ordinary screw I, passing through the center of the rosette and screwing into the furring-strip A, thus locking the several parts in position.
65

In order to form the ceiling or wall, the panels E are first inserted with their doubled-up flanges D into the grooves C, and then the covering-strips G are placed over the furring-strips A to engage with their flanges F the
70 doubled-up flanges D of the panels. After this is done the rosette H is passed over the joint of the several covering-strips, as before explained, and the rosette is then fastened in position by the means mentioned. Now it
75 will be seen that no screws, nails, or other similar devices are employed to fasten the panels and covering-strips in place, so that the entire wall or ceiling presents a neat and finished appearance and at the same time full
80 expansion and contraction of the panels are permitted without bulging or bending of the said panels.

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

1. In a device of the class described, the combination, with grooved furring-strips, of flanged panels engaging the grooves in the said furring-strips and covering-strips for
90 covering the exposed parts of the furring-strips and interlocking with the flanges of the said panels, substantially as shown and described.

2. In a device of the class described, the
95 combination, with grooved furring-strips, of flanged panels engaging the grooves in the said furring-strips, covering-strips for covering the exposed parts of the furring-strips and interlocking with the flanges of the said
100

panels, and a rosette spanning the joint of the covering-strips, substantially as shown and described.

3. In a device of the class described, the
5 combination, with furring-strips formed with grooves at their sides, of panels forming doubled-up flanges entering the grooves in the said furring-strips and covering-strips having

flanges entering the doubled-up flanges of the panels in the grooves of the furring-strips, so substantially as shown and described.

WILLIAM W. OLD.
ROBERT H. OLD.

Witnesses:

H. D. CURTIS,
ALEX. G. THOMSON.