

C. A. NICKERSON.
WOODEN COLUMN.
APPLICATION FILED OCT. 20, 1908.

933,915.

Patented Sept. 14, 1909.

Fig. 2.

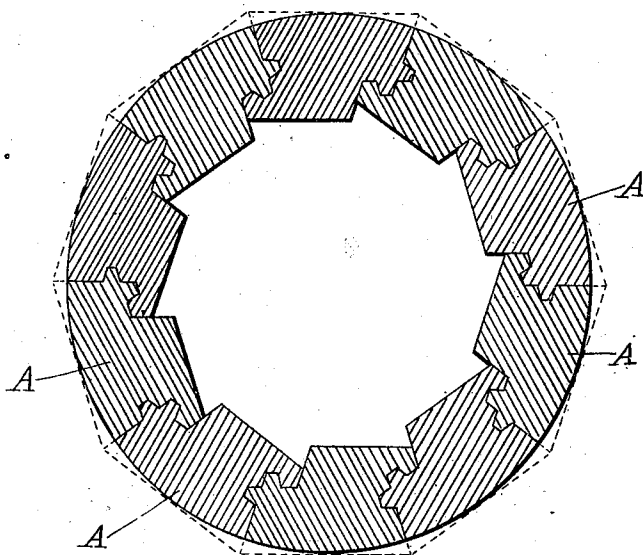


Fig. 1.

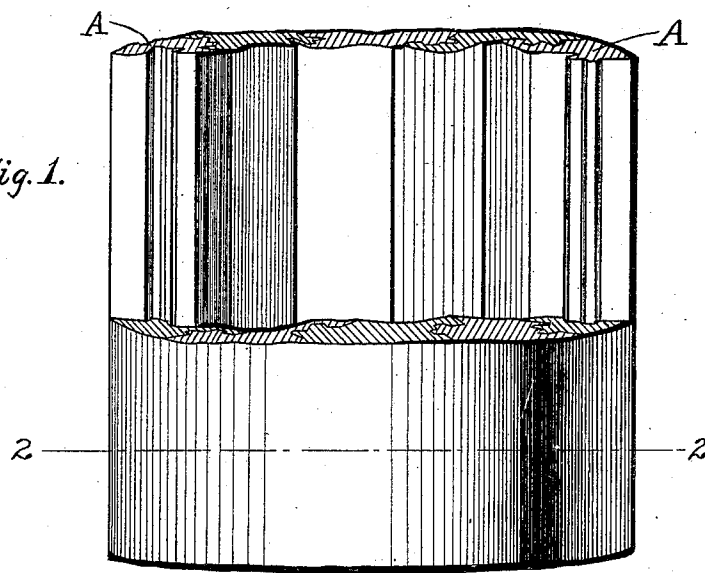
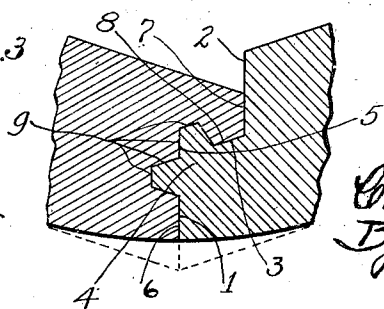


Fig. 3



Witnesses,
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UNITED STATES PATENT OFFICE.

CHARLES A. NICKERSON, OF KNOXVILLE, TENNESSEE.

WOODEN COLUMN.

933,915.

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To all whom it may concern:

Be it known that I, CHARLES A. NICKERSON, a citizen of the United States, residing at Knoxville, in the county of Knox and State of Tennessee, have invented a new and useful Improvement in Wooden Columns, of which the following is a specification, reference being had to the accompanying drawing.

My improvement relates particularly to wooden columns formed of longitudinal inter-engaging sections.

The object of the invention is to provide a column in which the joints between the inter-engaging sections are of superior efficiency.

In the accompanying drawings, Figure 1 is a sectional side elevation of a portion of a column embodying my improvement; Fig. 2 is a transverse section on the line 2—2 of Fig. 1; Fig. 3 is a detail transverse sectional view showing one of the joints by which the sections or staves of the column are inter-engaged.

Referring to said drawings, A, A are the longitudinal sections or staves of which the column is formed. Each of said staves has at its left hand side, as viewed in Figs. 2 and 3, an outer face, 1, which is approximately radial to the axis of the column and an inner face, 2, which is also approximately radial to the axis of the column but off-set from the face, 1. From the outer portion of the face, 2, a face, 3, extends away from the face, 2, approximately perpendicular to the latter. Between the faces, 1 and 3, is an oblique dove-tail, 4, which is approximately on a line or plane bisecting the angle which would be formed by extending the faces, 1 and 3, until they meet or intersect and which dove-tail is at the same time at an angle of about forty-five degrees to a plane which is radial to the column axis and cuts the dove-tail. And in the form shown in the drawings, said dove-tail has in its outer portion a V-shape groove, 5. The right hand edge of each of said sections or staves is shaped to conform, in reverse, to the left hand edge of each of said sections, faces, 6, 7, and 8, on said left hand edge being adapted, respectively, to meet the faces, 1, 2, and 3, on another section, and a groove, 9, in said right hand edge being adapted to receive the dove-tail, 4, of another section. The sections or staves can be inter-engaged only by pushing

one endwise upon the other after entering the dove-tail, 4, into the groove, 9. In this manner one piece after another is forced into position until the column has been completed.

By forming the groove, 5, in the dove-tail, 4, the area of engagement is increased and additional faces are provided to overcome tendency toward turning or lateral movement. By thus forming said dove-tail and placing it in the manner described, a very effective and lasting joint is formed.

I claim as my invention:

1. A column composed of inter-engaging, longitudinal sections, each section having on one edge a dove-tail which is oblique to a plane which is radial to the column axis and cuts the dove-tail and the other edge having a groove conforming in reverse to said dove-tail, substantially as described.

2. A column composed of inter-engaging, longitudinal sections, each section having on one edge a grooved dove-tail which is oblique to a plane which is radial to the column axis and cuts the dove-tail and the other edge having a groove conforming in reverse to said dove-tail, substantially as described.

3. A column composed of inter-engaging, longitudinal sections having on one edge a face approximately radial to the column axis and having on said edge another face at an angle to the first mentioned face and having a dove-tail between said faces, and having on its other edge two faces and a groove conforming in reverse to the faces and dove-tail of the other edge, substantially as described.

4. A column composed of inter-engaging, longitudinal sections having on one edge a face approximately radial to the column axis and having on said edge another face at an angle to the first mentioned face and having a grooved dove-tail between said faces, and having on its other edge two faces and a groove conforming in reverse to the faces and dove-tail of the other edge, substantially as described.

In testimony whereof I have signed my name, in presence of two witnesses, this 15th day of October, in the year one thousand nine hundred and eight.

CHARLES A. NICKERSON.

Witnesses:

WM. MEYERHOFF,
CYRUS KEHR.