Jan. 8, 1924. 1,479,966

VAN ORAN JEFFRIES

BUILDING CONSTRUCTION

Filed March 5, 1923

FIG 1.

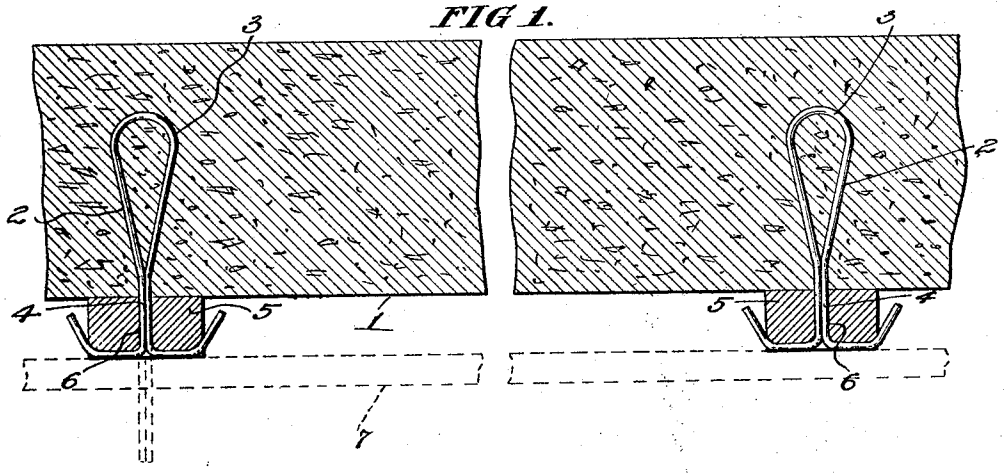
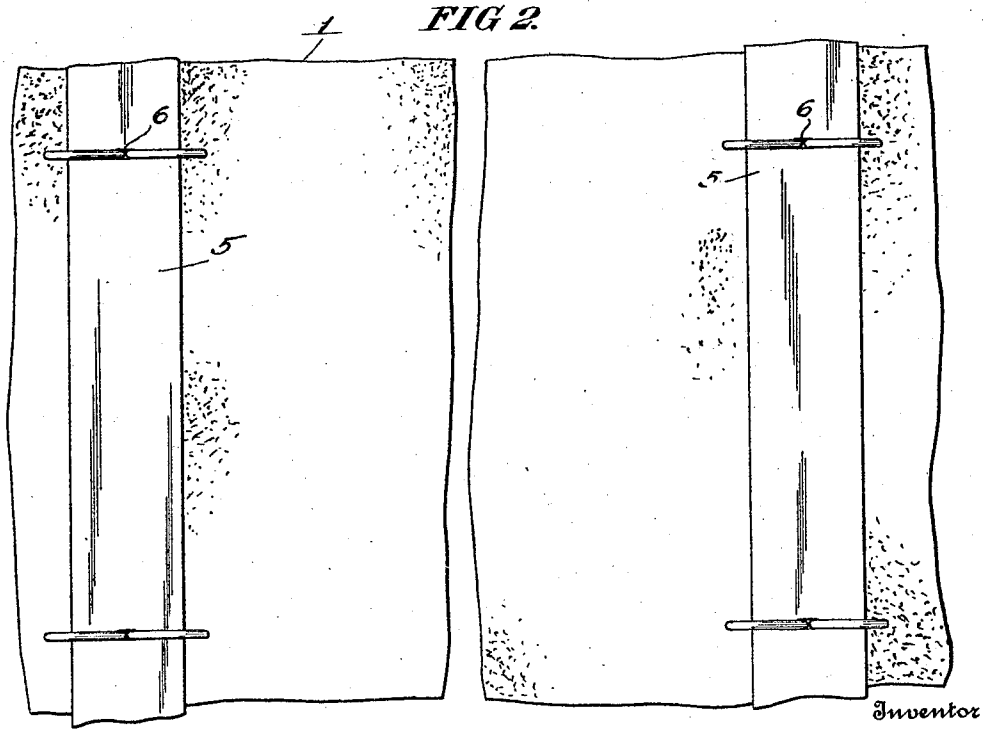


FIG 2.



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Patented Jan. 8, 1924. 1,479,966

UNITED STATES PATENT OFFICE.

VAN ORAN JEFFRIES, OF COLUMBUS, OHIO.

BUILDING CONSTRUCTION.

Application filed March 5, 1923. Serial No. 622,807.

To all whom it may concern:

Be it known that I, VAN ORAN JEFFRIES, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Building Constructions, of which the following is a specification.

The present invention is directed to improvements in building construction.

The primary object of the invention is to provide a novel form of tie for securing the lath supporting strips to a cement wall, the tie being extremely simple in construction, and efficient in operation.

A further object of the invention is to provide a tie so constructed that the same can be conveniently embedded in the wall during the molding thereof, the construction of the tie being such that the lath supporting strips can be firmly held in engagement with the face of the wall for securing the lath thereto.

With these and other objects in view, as will appear as the description proceeds, the invention consists in the novel features of construction, combinations of elements and arrangements of parts, and hereinafter to be fully described and pointed out in the appended claims.

In the accompanying drawing:

Figure 1 is a longitudinal sectional view through a wall structure showing the tie in place, and

Figure 2 is an inner face view of a wall showing the device in place thereon.

Referring to the drawing 1 designates a cement wall in which the ties 2 are embedded in the desired vertical spaced relation.

The ties are formed from single lengths of suitable gage wire so bent as to provide a loop 3, the side bars of which terminate in arms 4 which are initially disposed in intimate contact, but are capable of being spread laterally, the purpose of which will appear later.

Since the ties are applied to the wall during the molding thereof it will be obvious that the material forming the wall will enter the loop 2, and consequently firmly anchor the ties in the wall. The ties are so located that the arms 4 thereof will project beyond the inner face of the wall.

The lath supporting strips 5 are provided with openings 6 which are adapted to coincide with the arms 4, after which said strips are arranged flush against the wall, and the arms assume the positions as shown in dotted lines in Figure 1, after which said arms are spread apart in any suitable manner and bent until they assume the positions as shown in full lines, thereby holding the lath supporting strips 5 supported in vertical positions for securing the laths 7 thereto in the usual manner.

What is claimed is:

1. A cement wall structure, a series of vertical lath supporting strips arranged against one side of the wall, ties comprising loops and pliable arms, the loops being embedded in the wall, said arms being extended from the wall and passed through the strips.

2. A cement wall structure, a series of vertical lath supporting strips arranged against one side of the wall, ties comprising loops adapted to be embedded in the wall, said loops having their side bars terminating in arms which extend beyond the wall, said supporting strips having openings through which the arms pass, said arms being adapted to be spread laterally and bent into intimate contact with the lath supporting strips to hold the same firmly engaged with the wall.

In testimony whereof I affix my signature.

VAN ORAN JEFFRIES.