March 8, 1932. W. O. ISAACSON 1,848,422

ANCHOR

Filed Jan. 11, 1930

Fig. 1.

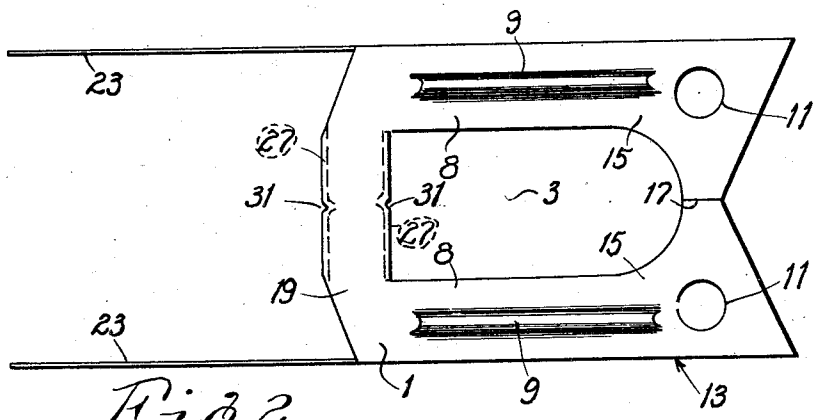


Fig. 2.

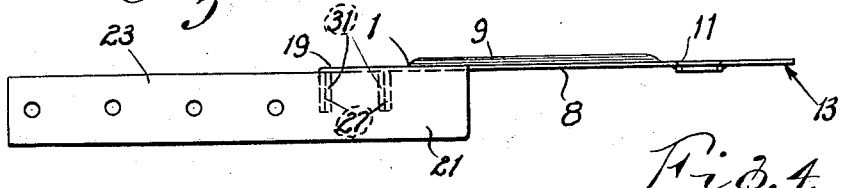


Fig. 4.

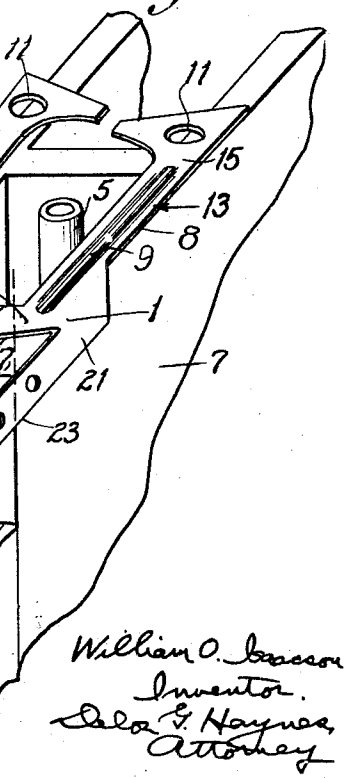
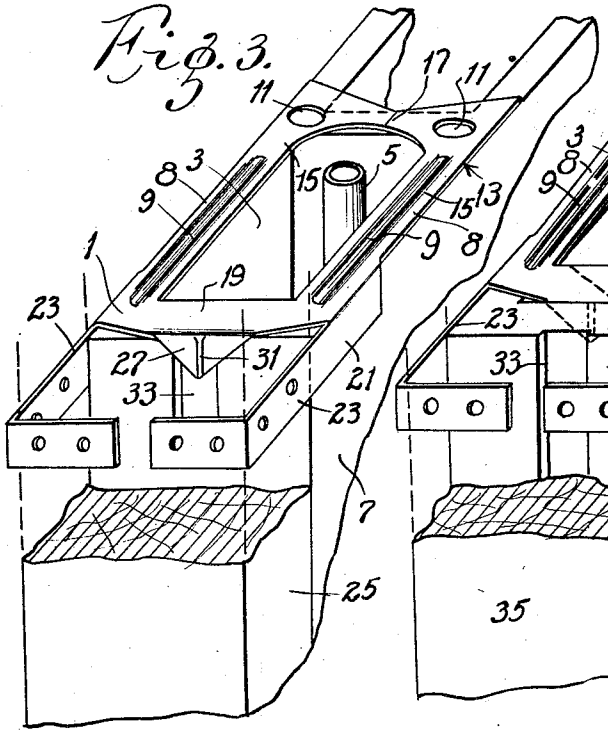


Fig. 3.



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UNITED STATES PATENT OFFICE

WILLIAM O. ISAACSON, OF CHICAGO, ILLINOIS

ANCHOR

Application filed January 11, 1930. Serial No. 420,056.

This invention relates to anchors, and with regard to certain more specific features, to anchors for building constructions and the like.

Among the several objects of the invention may be noted the provision of an anchor for joining door bucks, window frames and similar constructional units to walls of tile, blocks, masonry and the like; the provision of an anchor of the class described which has a fixed normal position for standard constructions and adjustable alternative positions for other constructions; the provision of a device of the class described which is adapted to pass about any piping, wiring or the like which would ordinarily interfere; and the provision of a device of the class described which may be economically manufactured and easily installed. Other objects will be in part obvious and in part pointed out hereinafter.

The invention accordingly comprises the elements and combinations of elements, features of construction, and arrangements of parts which will be exemplified in the structure hereinafter described, and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings, in which is illustrated one of various possible embodiments of the invention,

Fig. 1 is a plan view of the anchor;

Fig. 2 is a side elevation;

Fig. 3 is a trimetric view showing the normal application of the anchor; and,

Fig. 4 is a view similar to Fig. 3, showing an alternative positioning and showing also how the anchor is opened in passing it about a pipe or the like.

Similar reference characters indicate corresponding parts throughout the several views of the drawings.

Referring now more particularly to Figures 1 and 3, there is illustrated at numeral 1 a peripheral body portion having a central opening 3 for accommodating a pipe 5 or the like, such a pipe, for instance, as may be positioned within the hollow portions of the tile wall 7, between the courses of which wall 7 the anchor is applied. The body 1 is provided in sideward members 8 with suitable stiffening embossing 9 and holes 11 for procuring a grip in the mortar which is applied between courses.

The tail 13 of the body 1 is formed as two wings 15 which, when delivered to the user, are joined by a weakened portion 17 adapted to be manually broken at the field of application as shown in Fig. 4. With the portion 17 so broken, the body 1 may be positioned about any pipe such as 5 by vertically separating the wings 15 to the required extent, turning the body 1 at an angle to its final positioning, passing the pipe 5 through the opening at 17, and then turning said body to its final position. After this operation, the wings 15 may be bent back to their normal position and the opening 17 closed. If such pipe 5 is not present the portion 17 need not be broken open. It is not broken open in the manufacturing operation, in order to maintain the device as flat as possible during shipment, and under conditions of use where no pipe 5 or the like is present.

At the head 19 of the body 1 are sideward, right-angular extensions 21, forwardly from which project arms 23. The extensions 21 grip the sides of the material forming the wall (tile in the present illustration). The arms 23 are adapted to be nailed or otherwise fastened to the sides of a buck member 25 or the like which it is desired to make fast to the wall 7. It is preferable that the arms 23 be long enough that they may be bent about the corners of the member 25 as shown in Figs. 3 and 4.

The end 19 of the body 1 is provided with spaced, downwardly extending tongues 27. The spacing between tongues is approximately equal to the thickness of the end wall 29 of the wall tile. The tongues 27 are crimped as shown at numerals 31 for stiffening purposes and for registry of the outer tongue with a groove 33, such as is usually found on building tile. Thus interference between the outer tongue 27 and the buck member 25 is reduced to a minimum.

In the application shown in Fig. 3, the above advantages accrue, and, it will be seen, the anchor is positively positioned by the

engagement between the tongues 27 and the tile end. This is its normal application to standard sized construction.

Fig. 4 shows how the anchor is adaptable to a thinner constructional member 35. In this application the outer tongue 27 is also placed within the hollow of the tile. The anchor thus becomes adjustable along the top of the tile so that the effective lengths of the arms 23 may be varied at will, thus adapting them a thinner member such as 35.

The anchor is preferably stamped from sheet metal, so that it is bendable for the purposes described.

It is to be understood that the pipe 5 is representative of any conduit or the like, such as electric wiring et cetera.

The openable portion 17 being in the tail 13 results in the sideward members 8 being positioned, after rebending to their normal shape so that a perfect finish is assured when the wall is plastered.

In view of the above, it will be seen that the several objects of the invention are achieved and other advantageous results attained.

As many changes could be made in carrying out the above constructions without departing from the scope of the invention, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

I claim:

1. An anchor comprising a body having an opening, the body being peripheral of the opening, and an openable portion in the body adapted to permit positioning of the anchor about a conduit or the like, said openable portion prior to opening comprising a weakened section.

2. An anchor comprising a body having an opening therein, a tail thereon, and an openable weakened portion in said tail.

3. An anchor comprising a body, a head, sideward members and a tail, said head and tail lying crosswise of a wall in which the anchor is placed and the sideward members lying longitudinally and near the wall face, and an openable portion in said tail.

4. An anchor comprising a body, a head, sideward members and a tail, said head and tail lying crosswise of a wall in which the anchor is placed and the sideward members lying longitudinally and near the wall face, at least one downwardly extending tongue on said head and a reinforcing rib on said tongue adapted to register with a groove in said wall.

5. An anchor comprising a body having an opening, the body being peripheral of the opening, arms extending from the body portion and at least one tongue extending downwardly from said opening, said tongue having a reinforcing rib thereon adapted to register with a groove in a tile upon which the anchor is positioned.

6. An anchor comprising a body adapted to be applied between courses of hollow tile forming a wall, arms extending from one end of said body adapted to be fastened to a buck or the like, spaced, extending tongues at said end of the body for normally engaging both sides of the end wall of a tile but otherwise extending into the hollow of the tile so as to permit of adjusting the anchor position, at least one of said tongues having a reinforcing rib thereon adapted to fit into a groove in said tile.

7. An anchor comprising a body having an opening therethrough and adapted to be applied between courses of hollow tile forming a wall, arms extending from one end of said body adapted to be fastened to a buck or the like, spaced, extending tongues at said end of the body for normally engaging both sides of the end wall of a tile but otherwise extending into the hollow of the tile so as to permit of adjusting the anchor position, and an openable portion in said body.

8. An anchor comprising a body having an opening therethrough and adapted to be applied between courses of hollow tile forming a wall, arms extending from one end of said body adapted to be fastened to a buck or the like, spaced, extending tongues at said end of the body for normally engaging both sides of the end wall of a tile but otherwise extending into the hollow of the tile so as to permit of adjusting the anchor position, and an openable portion in said body, said last-named portion comprising a weakened section at the other end of said body.

In testimony whereof, I have signed my name to this specification this 7th day of January, 1930.

WILLIAM O. ISAACSON.