Dec. 29, 1970 E. BUSKE 3,550,343

ANCHOR POT

Filed March 14, 1969

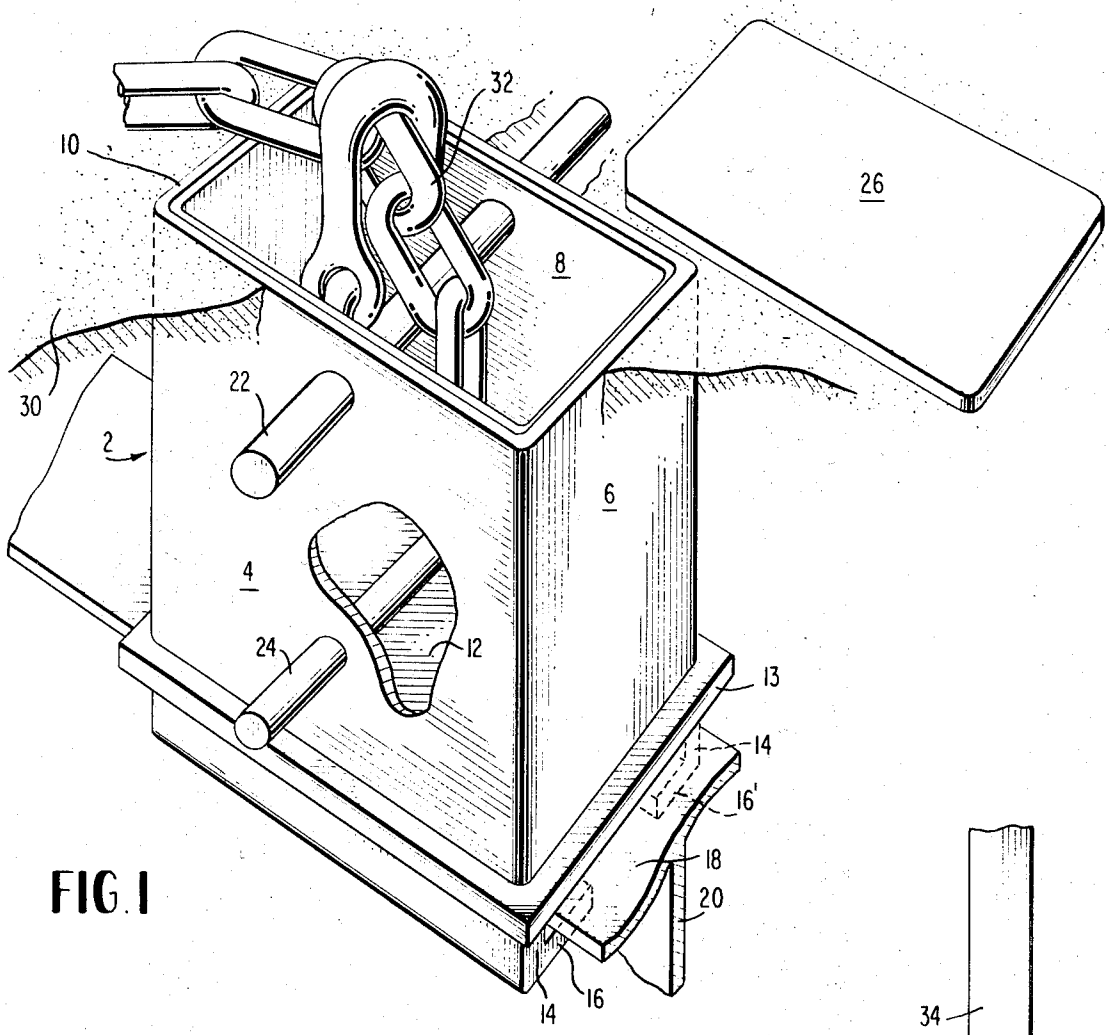


FIG. 1

FIG. 2

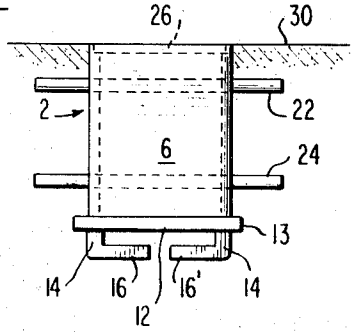
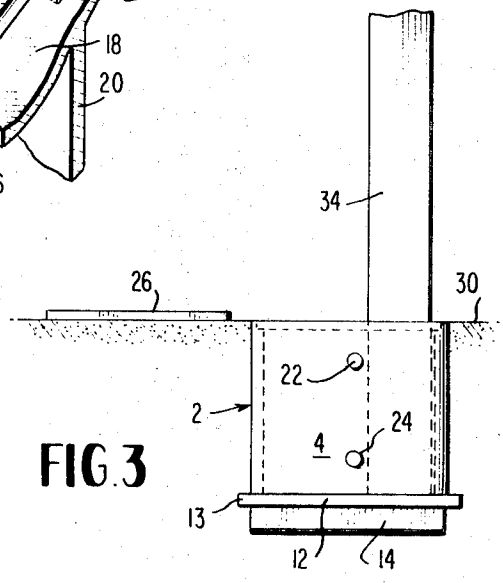


FIG. 3



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ANCHOR POT

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ABSTRACT OF THE DISCLOSURE

A hollow pot is set into a concrete floor. Means in the pot are provided for receiving an upstanding post or for anchoring the end of a chain.

BACKGROUND OF THE INVENTION

(1) Field

Supports, holddown.

(2) Known prior art

Sladek 2,843,060, Shankland 3,054,151, Omholt 3,298,-653, and Hayes 3,377,039.

OBJECTS

In auto body repair shops, great pulling and pushing forces are applied to various parts of an auto. While oftentimes it is possible to apply these forces by means of a tool which engages between spaced parts of an auto, other times it is desirable to obtain a good straight pull or push on the auto from some fixed element. If upstanding posts or anchors, fixed in the floor, are used, then they get in the way when it is desired to position the car for working on it, and it is necessary to avoid them when walking about or moving heavy tools from place to place. The object now is to provide an anchor which is securely mounted in the floor, and which can be concealed when not in use.

More particularly, it is intended to provide an anchor pot adapted to be set into a floor, with means on the pot for securing it to an I or T beam below or far down in the floor. Within the pot are means for supporting an upstanding beam which can be set down into the pot, or for anchoring the end of a chain, and when the pot is not in use there is a lid for covering it so workmen will not step down into it, or so an auto or heavy tools can be moved over it.

These and other objects will be apparent from the following specification and drawing, in which:

FIG. 1 is a perspective broken away view of the anchor pot installed on a T-beam, with cover plate removed;

FIGS. 2 and 3 are diagrammatic end and side views of the anchor pot installed in a floor but with the T-beam removed.

Referring now to the drawings, in which like reference numerals denote similar elements, the anchor pot **2** is of hollow configuration, preferably formed of steel or the like strong metal, having vertical side walls **4**, **6**, **8** and **10** rigid with and projecting upwardly from a bottom plate **12** which has outwardly extending peripheral flange portions **13**. Rigidly secured to bottom plate **12** are a pair of opposed angle pieces **14** whose inwardly directed flanges **16**, **16'** embrace the head element **18** of a T-beam **20**.

Extending through and between opposite side walls of the anchor pot are a vertically spaced pair of cross bars **22**, **24**, and removably mounted over the top of the pot is a flush-fitting cover plate **26**.

Before a concrete floor **30** for a body shop is poured, a pair of T-beams **20** are installed lengthwise of a stall, one on each side. Four or five anchor pots **2** should be slipped over the head element of each T-beam, assuming the T-beam is about 24 feet long. For lesser lengths, fewer pots would be used. Then the concrete floor **30** is poured over the T-beams and around the pots. The top of the floor should be substantially flush with the tops of the pots. What with the mounting on the T-beam, and the outwardly projecting peripheral flange **13** of bottom plate **12**, and the outwardly-projecting ends of cross bars **22**, **24**, pots **2** are mounted very firmly.

In operation, either the end of a chain **32** can be attached to cross bar **22**, or a beam **34** can be set down between cross bars **22**, **24** and end wall **6**. Various anchoring hook-ups can be made with the chain or off the beam. When the pot is not in use, cover plate **26** is put on so that it and the top of the pot are flush with the floor.

I claim:

1. An anchor device comprising

an open-top pot shape hollow body substantially rectangular in plan view adapted to be set into a floor with the top of the body substantially flush with the top surface of the floor, said body having generally vertical side walls,

anchor means within the body,

said anchor means comprising a pair of vertically spaced, substantially parallel bars extending transversely of the hollow interior of the body and supported at opposite end portions by opposite side walls, the ends of the bars extending outwardly beyond the side walls of the body,

whereby said anchor means may be used for engagement by a chain, or for supporting a post engaged between said anchor means and a side of said body.

2. In combination with an anchor device as claimed in claim **1**,

a generally horizontal beam having a generally horizontal flange thereon,

said body having a bottom wall and a pair of substantially L-shape angle strips having stem portions depending from said bottom wall and having flange portions oppositely directed towards one another,

the bottom wall of said body engaging on the beam flange and the flange portion of said angle strips engaging beneath opposite edge portions of the beam flange.

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52—166, 298; 248—361