June 9, 1925. 1,540,753

J. S. BIRCH

SHORING DEVICE

Filed Jan. 11, 1924

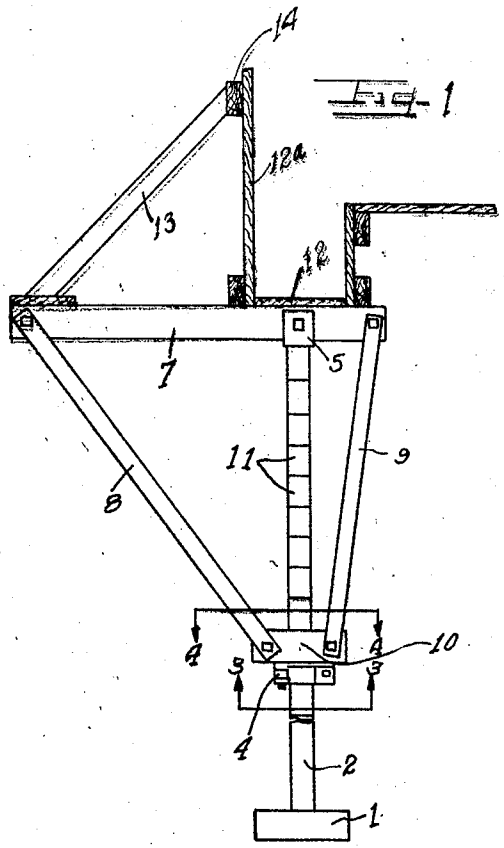


Fig. 1

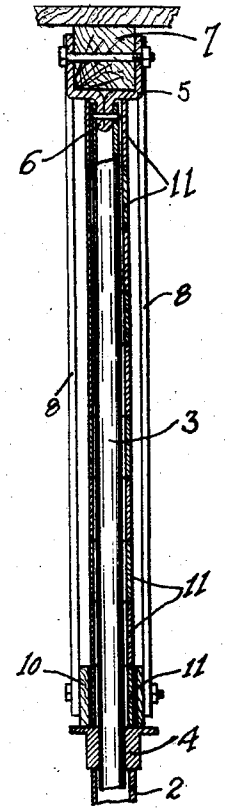


Fig. 2

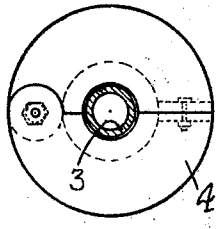


Fig. 3

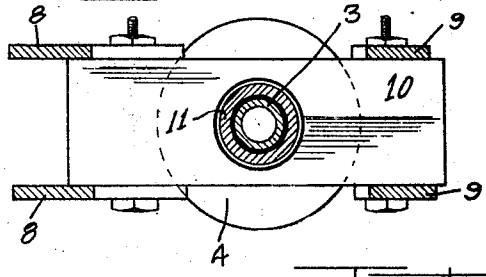


Fig. 4

Inventor

James S. Birch.

by Charles W. Hill

Attys

Patented June 9, 1925. 1,540,753

UNITED STATES PATENT OFFICE.

JAMES S. BIRCH, OF CHICAGO, ILLINOIS.

SHORING DEVICE.

Application filed January 11, 1924. Serial No. 685,511.

To all whom it may concern:

Be it known that I, JAMES S. BIRCH, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Shoring Device; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention relates to a shoring device adapted for sustaining the outer wall of a building or the like during the construction thereof.

It is an object of this invention to provide a simple shoring device that may be easily adjusted by common means and that will readily sustain the weight of the wall without yielding.

The invention comprises the novel structure and combinations hereinafter described and more particularly pointed out and defined in the appended claim.

In the accompanying drawings which illustrate a preferred embodiment of this invention and in which similar reference numerals refer to similar features in the different views:

Figure 1 is an elevational view of my shoring device supporting the form for a concrete wall shown in section.

Figure 2 is an enlarged vertical sectional view through the shoring device.

Figure 3 is an enlarged sectional view upon the line 3—3 of Figure 1 with parts in elevation.

Figure 4 is a sectional view upon the line 4—4 of Figure 1 with parts in elevation.

Referring to the drawing, the numeral 1 represents the base of the shoring device having an upwardly extending tubular standard 2 through which a hollow rod 3 may pass. A split clamping collar 4 rests upon the top of the tube 2 and supports the hollow rod 3 by being firmly clamped thereto.

A U shaped bracket 5 having a depending lug 6 extending into the upper end of the hollow rod 3 is affixed thereto by a pin or bolt extending through the said rod and lug. A supporting beam 7 is secured intermediate its ends in the U bracket 5.

The ends of this beam are connected by inclined struts or braces 8 and 9 with a lower supporting block 10 provided with a central aperture for receiving the hollow rod 3 and resting upon the split collar 4.

A plurality of short pipe sections 11 extend from the collar 4 to the bracket 5 and form a support for the latter with respect to the collar 4. Pipe sections may be readily added or removed as is obvious for any particular height that it is desired to support the form for the wall; the rod 3 being raised or lowered by unclamping the split collar 4 as is obvious.

A plurality of such shoring devices are adapted to be spaced at regular intervals for supporting a form for a wall into which concrete may be poured. In Figure 1, such a form is shown as is indicated by the reference 12. The outer side 12^a of this form is braced by a diagonal strut 13 attached at its lower end to the beam 7 and bearing at its upper end against a longitudinally extending beam 14 positioned against the outer side 12^a of the form.

I am aware that many changes may be made, and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

I claim as my invention:

In a shoring device, a base, a hollow tube extending from said base, a clamping collar resting upon said tube, a rod extending through said clamping collar, a bracket attached to the upper end of said rod, a beam supported by said bracket, a plurality of pipe sections surrounding said rod and extending between said collar and bracket, a block supported upon said collar and braces connecting said beam and block.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

JAMES S. BIRCH.

Witnesses:
CARLTON HILL,
OSCAR HARTMANN.