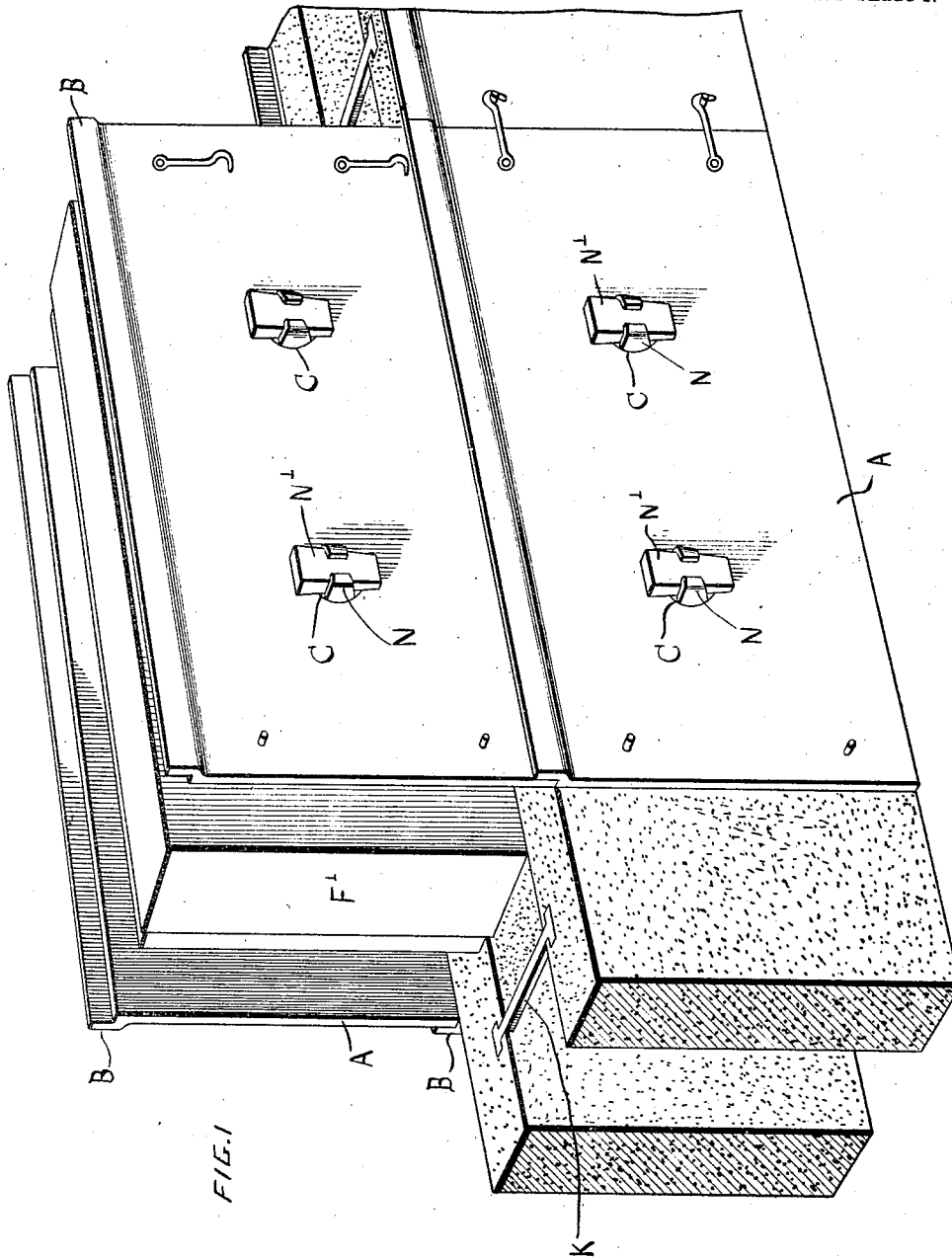


B. F. SEIBERT.
 ADJUSTABLE CONCRETE FORM.
 APPLICATION FILED DEC. 1, 1910.

991,755.

Patented May 9, 1911.

2 SHEETS—SHEET 1.



WITNESSES:

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BY

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2 SHEETS-SHEET 2.

FIG. 3

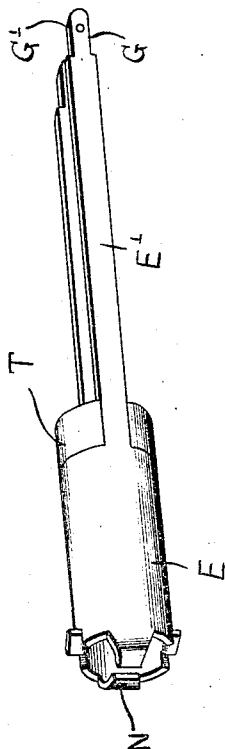


FIG. 4

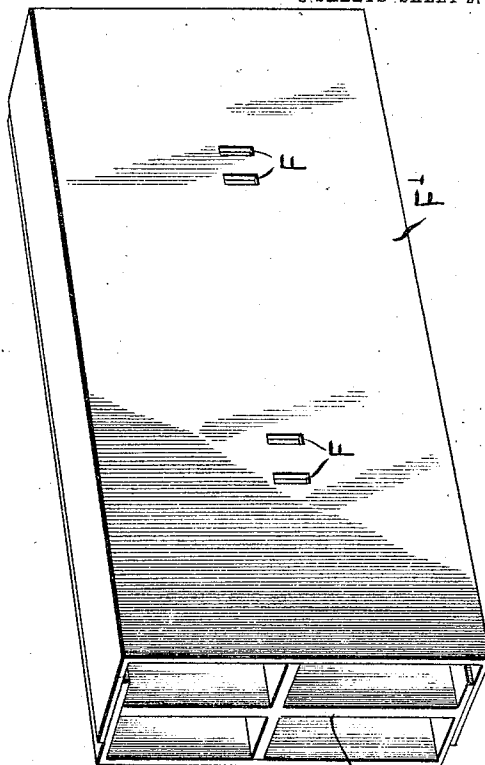
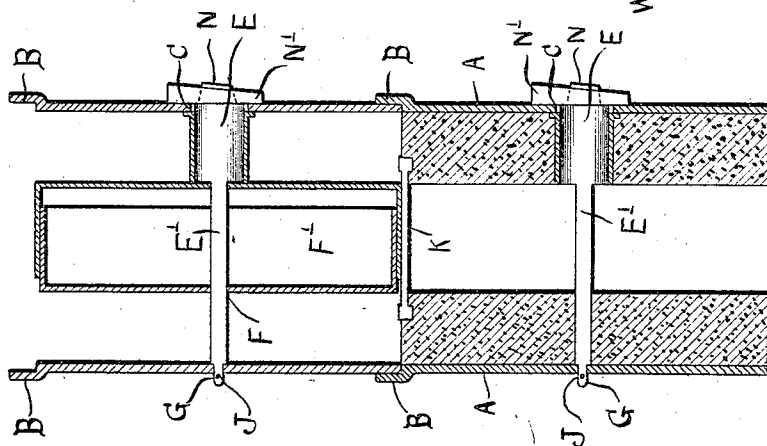


FIG. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

BENNETT F. SEIBERT, OF MANSFIELD, OHIO.

ADJUSTABLE CONCRETE-FORM.

991,755.

Specification of Letters Patent.

Patented May 9, 1911.

Application filed December 1, 1910. Serial No. 595,041.

To all whom it may concern:

Be it known that I, BENNETT F. SEIBERT, a citizen of the United States, residing at Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Adjustable Concrete-Forms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in apparatus for erecting concrete construction of buildings and especially a hollow wall, thus preventing any dampness to the inside wall, and comprises a simple and efficient device of this nature having various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a perspective view showing a section of a wall made in accordance with my invention and illustrating the mold plates in their proper positions to mold the wall. Fig. 2 is a vertical sectional view through a section of the wall. Fig. 3 is an enlarged detail view of one of the ties, and Fig. 4 is a detail view of one of the cores.

Reference now being had to the details of the drawings by letter, A, A designate mold plates, preferably of metal of suitable gage, each of which has an outwardly extending flange B at its upper end, to receive the lower edge of a superimposed plate. Each plate is provided with apertures C for the reception of the members E, each of which has two arms E' adapted to extend through the apertures F in the cores F'. The extreme ends of said arms are contracted as at G and have apertures G' for the reception of keys J.

The various plates are superimposed in the manner shown and the cores adjusted in place and of any width as may be desired to regulate the space between the walls. Per-

manent tie members, designated by letter K and made preferably of galvanized metal or copper, are embedded in the walls at intervals to hold the two wall sections spaced apart. Lugs N project from the head of each tie and are bent toward each other and adapted to receive a key N' to securely hold one end of the tie in place. The plates which constitute the forms may be removed by pulling out the keys, taking out the cores and placing the ties back again and set other forms on top of those which have been utilized for forming the wall. By this way the unset concrete will be protected.

A ferrule, designated by letter T, is placed on the tie and adapted to hold the core farther from the forms, enabling one to cast a thicker wall if desired.

In the end of the core, it will be noted, is a cross-shaped member serving to hold the telescopic cores apart.

It will be noted that, by the provision of a device as shown and described, a simple and efficient apparatus is afforded for economically constructing concrete walls and providing means for regulating a space between the wall sections and holding the same securely spaced apart. While I have described a hollow wall construction, it will be understood that the form may be utilized if desired with solid walls.

What I claim to be new is:—

An adjustable apparatus for molding concrete walls, comprising a series of apertured plates with flanges upon the edges thereof, flanged cores telescoping one within the other and having apertures therein, ties having each a cylindrical shank portion engaging one of said cores and extending through an aperture in one of said plates, integral arms projecting from said cylindrical shank portion and passing through the core and one of said plates, the end of each cylindrical shank portion of the tie being bent to form key-holding means, and a key engaged by said bent portions and bearing against the adjacent plate.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

BENNETT F. SEIBERT.

Witnesses:

D. D. JOHNSTON,
D. B. FLECK.