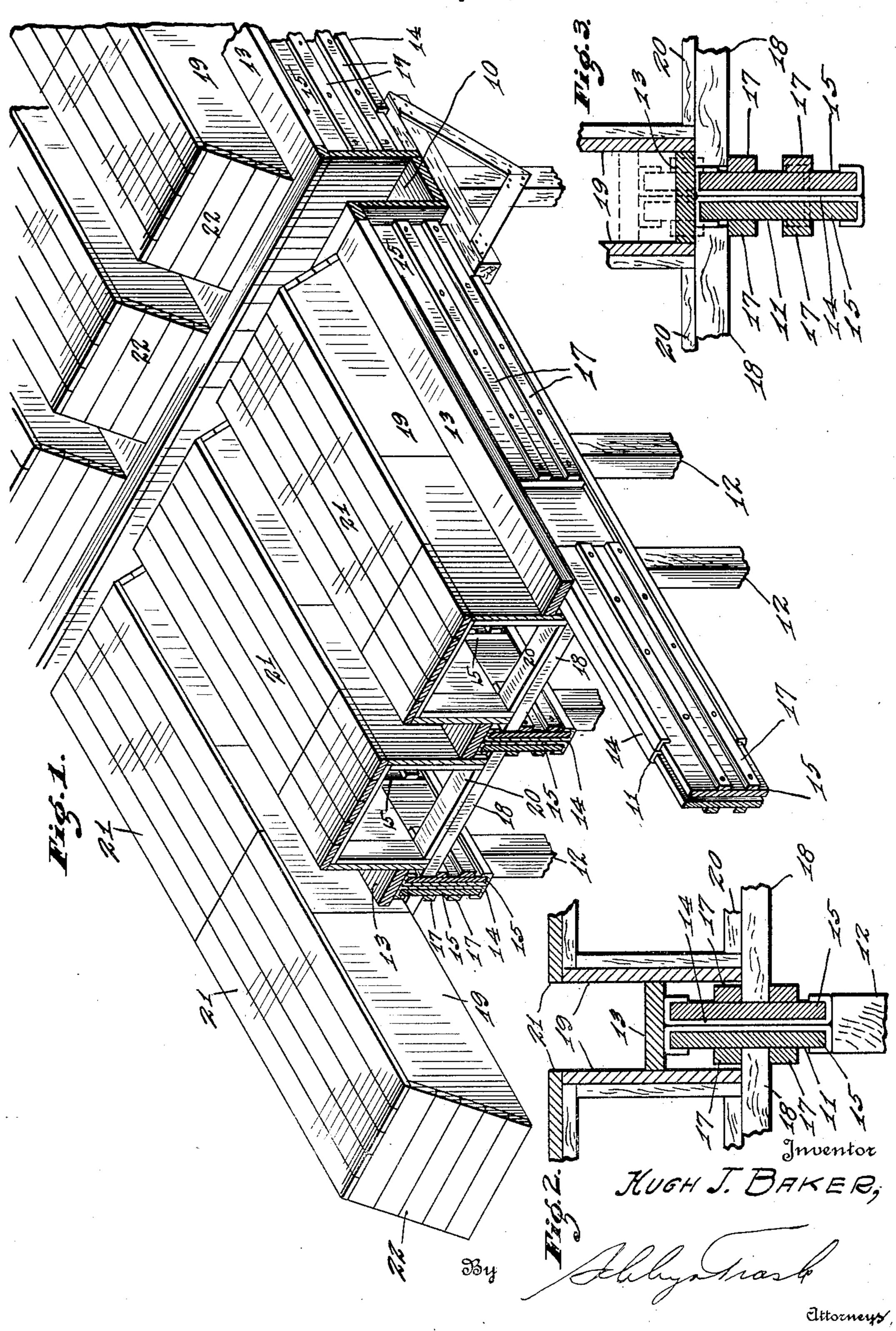
CONCRETE FORM

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UNITED STATES PATENT OFFICE

HUGH J. BAKER, OF INDIANAPOLIS, INDIANA

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My invention is concerned with forms to The beams 11 are desirably formed in such

I accomplish my object by providing formtend between the girders in the respective the beam 14 may be varied as desired. planes of the floor ribs. Resting on the top of each of these beams is a board which forms the lower surface of the floor-rib. The vertical faces of each rib are formed by sides which may extend downward below the board forming the lower surface of the rib and rest upon supports extending between adjacent beams. Covers or lids, which form the lower tudinal center-line of the board for a purpose 75 surface of the floor, extend between and rest which will be brought out hereinafter. The

invention: Fig. 1 is a perspective view showing a portion of a complete floor form with 19 of adjacent joist-forms being separated 80 parts thereof broken away; and Figs. 2 and 3 are transverse sections through the forms adjacent one of the floor-ribs to illustrate the lower surface of the floor. Closing the space manner in which different depths of ribs are secured.

floors of the type with which my invention is is wider at the top than at the bottom. concerned, there are usually parallel spaced girders provided by girder-forms 10. My invention is not concerned with the construction of these girder-forms. In erecting my form after the girder forms 10 are located, I first put in place beams 11 which extend at spaced intervals between adjacent girder forms. These beams may be supported at their ends from the girder forms and at intermediate points by shores 12. The beams 11 are disposed in the plane of the floor ribs and are covered by a board 13 which forms the bottom face of such rib.

be used in the production of poured concrete a manner that their effective length can be floor slabs having integral ribs or joists on quickly varied to suit different girder-spactheir lower surfaces, which ribs or joists ex- ing. To this end, I may form the beam of tend between supporting girders or walls; a central metal portion 14 into which tele- 55 and it is my object to produce a form con-scope end portions 15, conveniently of wood. struction which will be flexible and easily al- Desirably, the central beam-portion 14 is tered to suit changes in specifications of the formed of an I-section piece of structural floor slab with respect to length of span and steel of the type generally known as "metal depth, width, and spacing of the ribs or lumber". Such material is of the shape clear- 60 joists. More specifically, it is my object to ly illustrated in Figs. 2 and 3 and provides provide a form construction in which many on opposite sides of the central web two of the same parts can be used irrespective grooves in which the end portions 15 may of changes in the floor slab specifications. be slidably received. It will be evident that by moving the end portions 15 in and out of 65 supporting beams which are adapted to ex- the center-section 14 the effective lengths of

Extending longitudinally on the outer faces of the end-sections 15 are strips 17 forming steps upon which rest laterally extend- 70 ing supports 18 for the floor form. Desirably, there are two of the strips 17 on each of the beam portions 15, these strips being unsymmetrically disposed about the longiupon the sides of adjacent rib-forms. sides or upright form-parts 19 which form The accompanying drawing illustrates my the vertical faces of the floor-rib rest upon the supports 18, the lower edges of the sides by means of spreaders 20. Lids 21 rest upon the upper edges of the sides 19 and form the between the ends of the sides 19 of adjacent Joist-forms there extend end pieces 22 which 85 In the construction of ribbed-slab concrete are usually inclined to produce a girder which

> The sides 19 and lids 21 are desirably sectional in order to provide readily for different rib-lengths. The sections of the sides 90 and lids meet on lines transverse to the joist as is clear from Fig. 1; and by providing sections of a few different lengths, it is possible to produce a form for any usual girder spacing.

The two strips or steps 17 upon which the ends of the supports 18 rest are provided for the purpose of varying the depth of the floor rib. As shown in Fig. 1, the supports 18 rest on the upper strips 17, and it will be evident 100 that by placing the supports 18 on the lower strips 17 a shallower rib will result. Such an arrangement is illustrated in Fig. 2. By inverting the beams 11, to bring them into the position illustrated in Fig. 3, two different rib-depths may be provided as a result of the unsymmetrical disposition of the strips 17. Desirably the strips 17 are so disposed that the rib-depths produced differ by a regular interval, conveniently two inches.

It will be evident that where my invention is employed the same parts can be used to produce floors having ribs of different lengths and different depths. Should the joist-length to be produced vary over an exceptional range, it may be desirable to employ beam

portions 15 of varying lengths.

I claim as my invention: 1. In a false-work for concrete floors, a 20 form-supporting beam, said beam being formed of a center section and two end sections, said center section comprising a member of general C-shaped cross-section the two longitudinal edges of which are spaced apart, 25 said end sections being slidably received within said center-section, said end sections, between the longitudinal edges of said center section, being provided with one or more form-supporting steps unsymmetrically dis-30 posed relative to the longitudinal center-line of said end-sections, whereby the heights of the upper surfaces of said steps may be changed by inverting the beam.

2. In a false-work for concrete floors, a form-supporting beam, said beam being formed of a center section and two end sections, said center section comprising a member of general C-shaped cross-section the two longitudinal edges of which are spaced apart, said end sections being slidably received within said center-section, said end sections, between the longitudinal edges of said center section, being provided with one or more

form-supporting steps.

3. The invention set forth in claim 1 with the addition that said center section comprises two of said C-shaped members disposed oppositely, each of said end sections comprising two members slidably received respectively in the two members of said center section.

4. The invention set forth in claim 2 with the addition that said center section comprises two of said C-shaped members disposed oppositely, each of said end sections comprising two members slidably received respectively in the two members of said center section.

In witness whereof, I have hereunto set my hand at Indianapolis, Indiana, this 18th day of May, A. D. one thousand nine hundred and

twenty-nine.

HUGH J. BAKER.