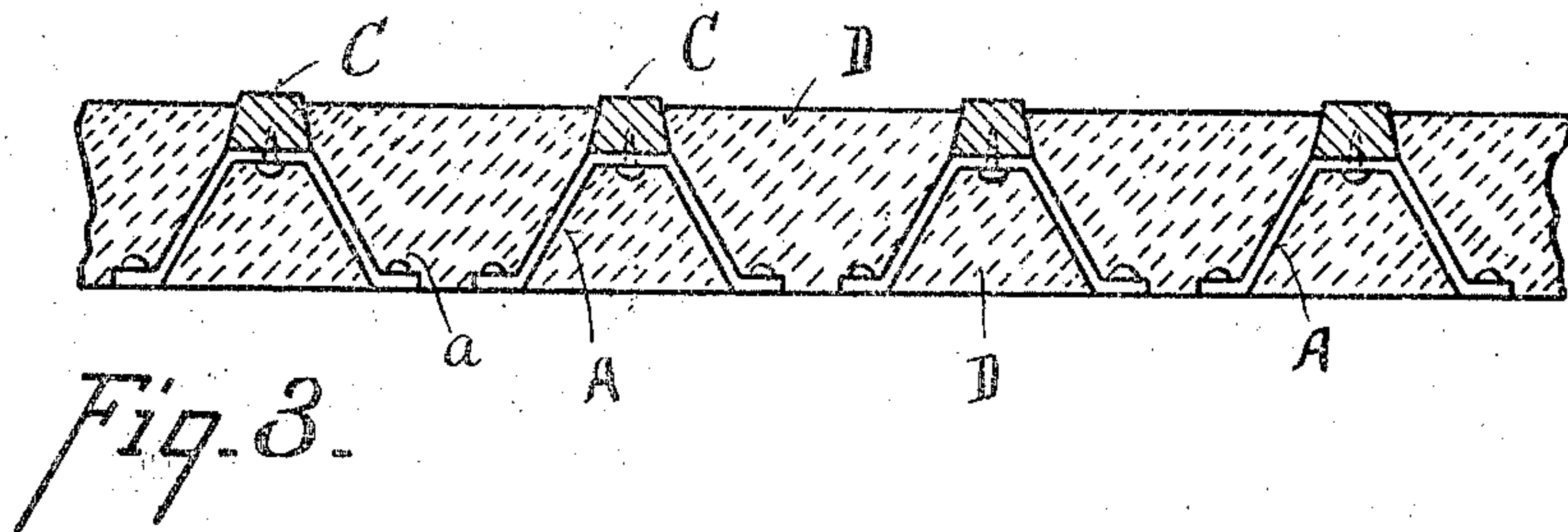
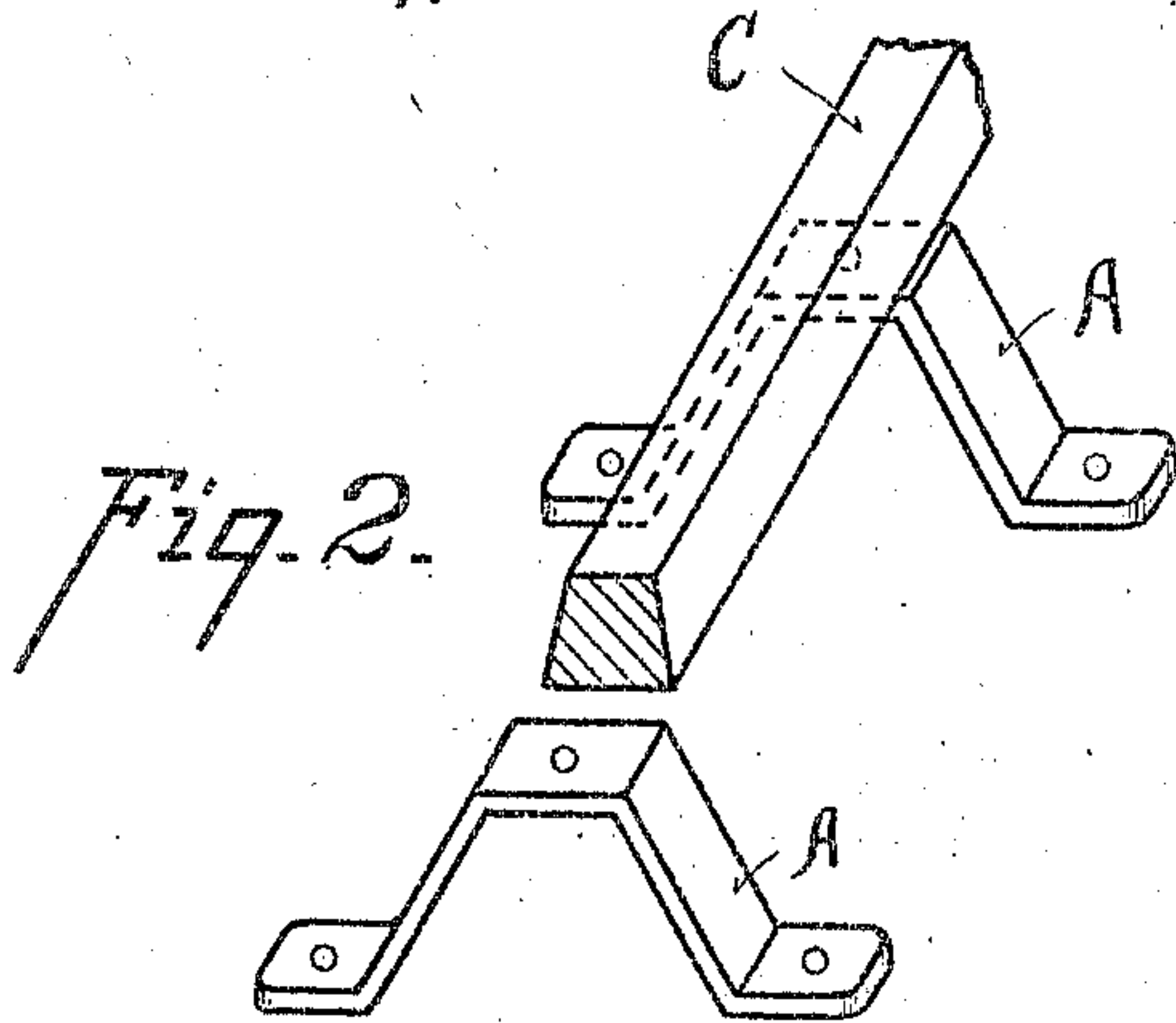
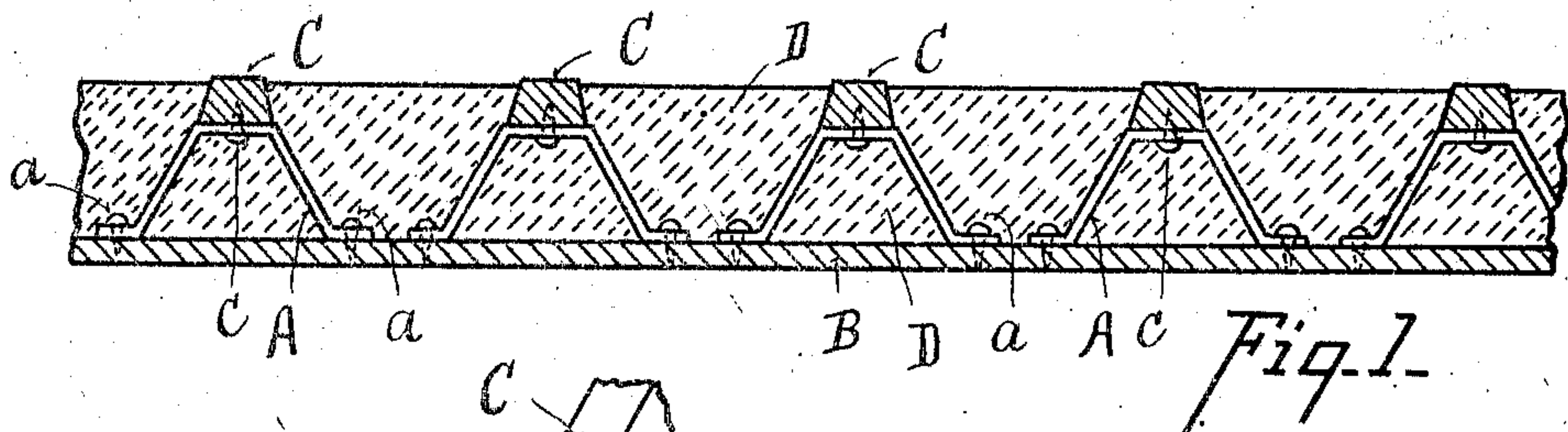


No. 859,511.

PATENTED JULY 9, 1907.

L. H. NOLTE.
CONCRETE FLOOR CONSTRUCTION.
APPLICATION FILED JAN. 2, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

LOUIS H. NOLTE, OF CINCINNATI, OHIO, ASSIGNOR TO FERRO-CONCRETE CONSTRUCTION COMPANY, OF CINCINNATI, OHIO, A CORPORATION OF OHIO.

CONCRETE-FLOOR CONSTRUCTION.

No. 859,511.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed January 2, 1906. Serial No. 294,066.

To all whom it may concern:

Be it known that I, LOUIS H. NOLTE, a citizen of the United States of America, and a resident of Cincinnati, county of Hamilton, State of Ohio, have invented certain new and useful Improvements in Concrete-Floor Construction, of which the following is a specification.

The object of my invention is a construction which will simplify and render less expensive the process of laying wooden sleepers in the surfaces of concrete floors.

Figure 1 is a horizontal view of a floor in the course of construction, showing the temporary floor, the brackets, and the sleepers located thereon, embodying my invention. Fig. 2 is a perspective view of a part of a sleeper and of its supporting brackets. Fig. 3 is a horizontal sectional view of the concrete floor construction embodying my invention.

In making concrete floors, it has been customary to spread a layer of concrete upon the temporary flooring, to allow this concrete to harden, then to lay the wooden sleepers, which afford a nailing surface, upon this first layer of concrete, and then to fill in around the sleepers with another layer of concrete.

In my construction I secure rows of brackets, A, to the sleepers, C, by means of nails, c. Then I secure the brackets to the flooring, B, by means of nails, a. Then I fill in about the brackets and about the sleepers, C, with concrete, D, leaving the upper face of the sleepers exposed.

It is seen that the process of constructing the floor with my supporting brackets for the sleepers, is a continuous one, that is, that the concrete is laid at one operation. Besides simplifying the method of forming the flooring, the brackets distribute the strain due to the nailing of the permanent floor to the sleepers, over a greater area of concrete and thus prevent any tendency to crack in the same in securing the permanent floor in place.

What I claim is:

In a concrete floor in the course of construction, the combination of the temporary floor or centering, sleepers, brackets secured in rows upon the floor beneath and supporting the sleepers, and concrete surrounding the brackets and the sleepers, leaving the upper faces of the sleepers exposed.

LOUIS H. NOLTE.

Witnesses:

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