

O. MATTL.
REINFORCED CONCRETE SLAB.
APPLICATION FILED DEC. 22, 1909.

968,865.

Patented Aug. 30, 1910.

Fig. 1.

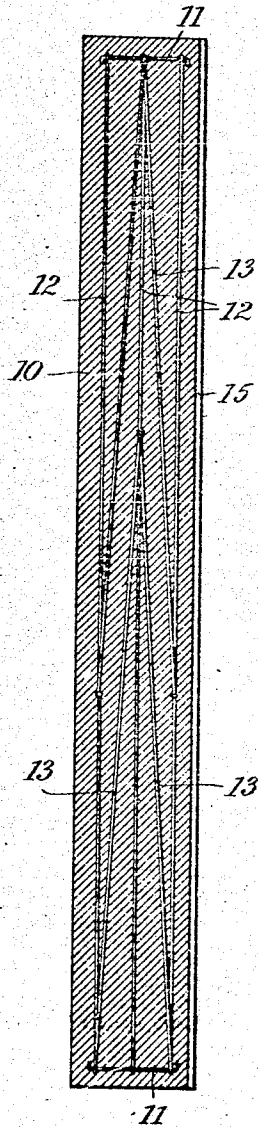


Fig. 2.

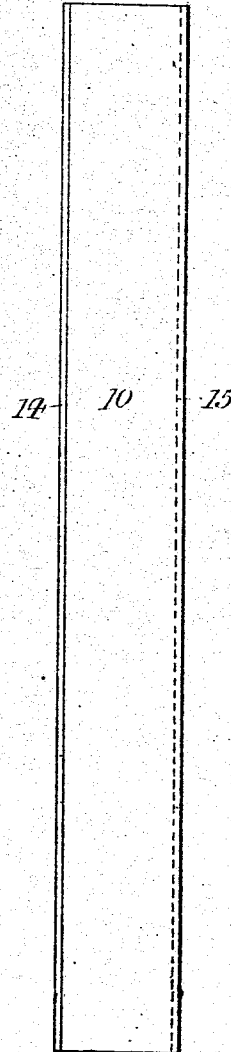
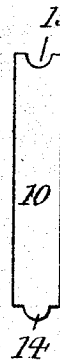


Fig. 3.



WITNESSES:

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REINFORCED-CONCRETE SLAB.

968,865.

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Application filed December 28, 1909. Serial No. 535,345.

To all whom it may concern:

Be it known that I, OSWALD MATTI, a citizen of Switzerland, residing at Renens, Switzerland, have invented new and useful Improvements in Reinforced-Concrete Slabs, of which the following is a specification.

This invention relates to a reinforced concrete slab adapted for the construction of buildings, vessels, fences and other objects.

In the accompanying drawing: Figure 1 is a longitudinal section of my improved slab; Fig. 2 a side view, and Fig. 3 an end view thereof.

A flat concrete slab 10 is reinforced by a skeleton of embedded cores shown to consist of a number of wires connected to form a united structure.

As shown, a pair of end wires 11 are joined to a number of longitudinal wires 12, which are, in turn, connected by diagonal wires 13. These diagonal wires are arranged in pairs, and extend at like angles from the central longitudinal wire to the flanking longitudinal wires.

Two of the diagonal wires extend from the junction of the central longitudinal wire with one of the end wires 11, toward the bodies of the flanking longitudinal wires.

Two additional diagonal wires extend from the body of the central longitudinal wire to the junctions of the flanking longitudinal wires with the second end wire.

The slab is provided at one edge with a tongue 14, and at the other edge with a groove 15, said tongue and groove having a semi-circular cross section. The slab may be made of great length, is very strong, and possesses considerable resiliency.

I claim:

A concrete slab containing a core which consists of a pair of end wires, a central longitudinal wire, a pair of flanking longitudinal wires, a first set of diagonal wires extending from the junction between the central longitudinal wire and one of the end wires toward the bodies of the flanking longitudinal wires, and a second set of diagonal wires extending from the body of the central longitudinal wire to the junctions between the flanking longitudinal wires and the second end wire.

Signed by me at Geneva, Switzerland, this 10th day of December, 1909.

OSWALD MATTI.

Witnesses:

L. H. MUNIENY,
C. J. VULLIER.