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J. S. FLUOR

WALL AND METHOD OF MAKING SAME

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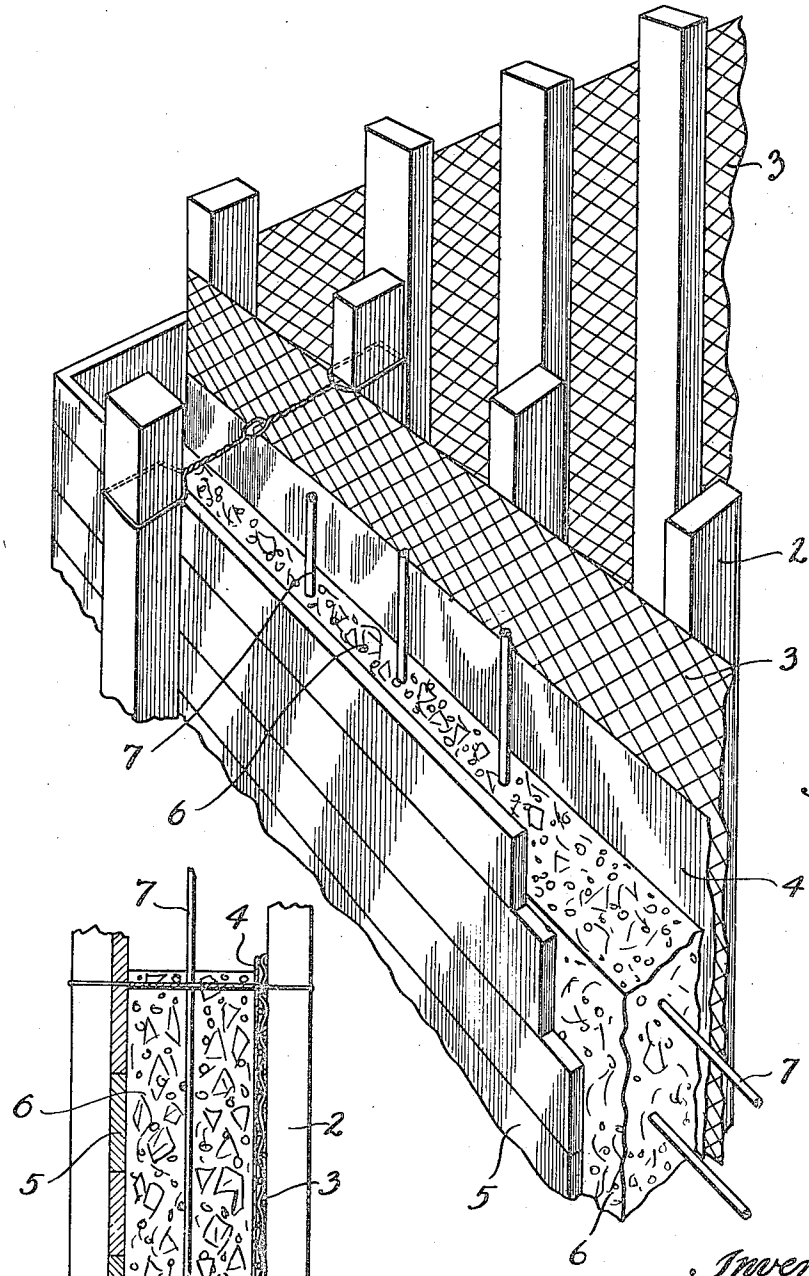


Fig. 1.

Fig. 2.

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JOHN SIMON FLUOR, OF SANTA ANA, CALIFORNIA.

WALL AND METHOD OF MAKING SAME.

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To all whom it may concern:

Be it known that I, JOHN SIMON FLUOR, a citizen of the United States, residing at Santa Ana, in the county of Orange and State of California, have invented new and useful Improvements in a Wall and Method of Making Same, of which the following is a specification.

This invention relates to building walls and elements and a method of making the same, and has for its object to provide an extremely inexpensive and practical wall structure.

A further object of the invention is to provide a method for the construction of building walls to secure a cement wall body in combination with a wooden frame structure. An object is to provide a method for utilizing the wooden framework of a building as a portion of means forming a mold to receive an exterior wall body and thus to provide economy not only in the construction of a cement wall, but also to eliminate a material part of the cost of material and labor incident to the making of molds where concrete walls are to be erected.

Other objects and advantages will be made manifest in the following specification of an embodiment of the invention illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective of a fragment of a wall in course of construction according to the present method.

Fig. 2 is a vertical section transversely of the wall and mold.

In my system and wall I employ the usual framework studs 2 and to these secure firmly a wire netting, metal lath, wooden lath, paper lath, or other suitable base indicated at 3, in the present case, as of wire netting. When the base layer 3 is formed it may be desirable to apply a preferably imperforate and also waterproof layer, as of waterproof paper 4 to the first layer or base 3. According to the thickness of the concrete wall to be built about the framework 2, I erect a temporary mold structure, such as a form work of boards 5 which are set out a suitable distance to provide a space in front of the framework with its layers. The form chamber or chambers are then filled with plastic cement 6 which is permitted to harden and form a monolithic wall in the usual manner. It is understood that horizontal and vertical reinforcing rods or metal as 7 may be employed as desired.

From the above it will be seen that by my invention it is possible to erect a concrete wall utilizing as one of the form sides the wooden framework and utilizing as the outer form side any suitable form structure.

It is to be understood that the illustration and description herewith discloses an embodiment of the invention as in the building of a wall, but the same system may be utilized in various other types of structures.

An important result obtained by the present invention is that the wall combines a practically permanent stone-like exterior and provides also the means for attaching inside finish, this being provided by the wooden framework of the building. This wall combining an outside stone face and an inside framework is rendered substantially waterproof by the interposition of the waterproof intermediate layer or base including, for example, the waterproof layer of paper or other waterproof element.

Further embodiments, modifications and changes may be resorted to within the spirit of the invention as here claimed.

What is claimed is:

1. The method of building a concrete structure which consists of setting a framework and applying to this a wire fabric and on this supporting a substantially impervious mold side forming paper sheeting, erecting in spaced relation to the said paper sheeting means a temporary concrete mold member, and filling the mold chamber with concrete and permitting the same to set after which the temporary mold work is removed.

2. A wall structure comprising, in combination, a permanent framework of studding to which is applied a wire fabric, an impervious mold side forming layer on said fabric and a concrete wall having its inner face in supported relation on the said mold side forming layer.

3. In a building structure framework, studs, and means applied to the outer faces thereof to form a mold side including a wire fabric support and a paper sheet thereon, and a concrete wall originally cast in supported relation upon the said means.

In testimony whereof I have signed my name to this specification.

JOHN SIMON FLUOR.