G. M. GRAHAM.

REINFORCED CONCRETE PARTITION.

APPLICATION FILED OCT. 17, 1907.

938,659. Patented Nov. 2, 1909.

Fig. 1.

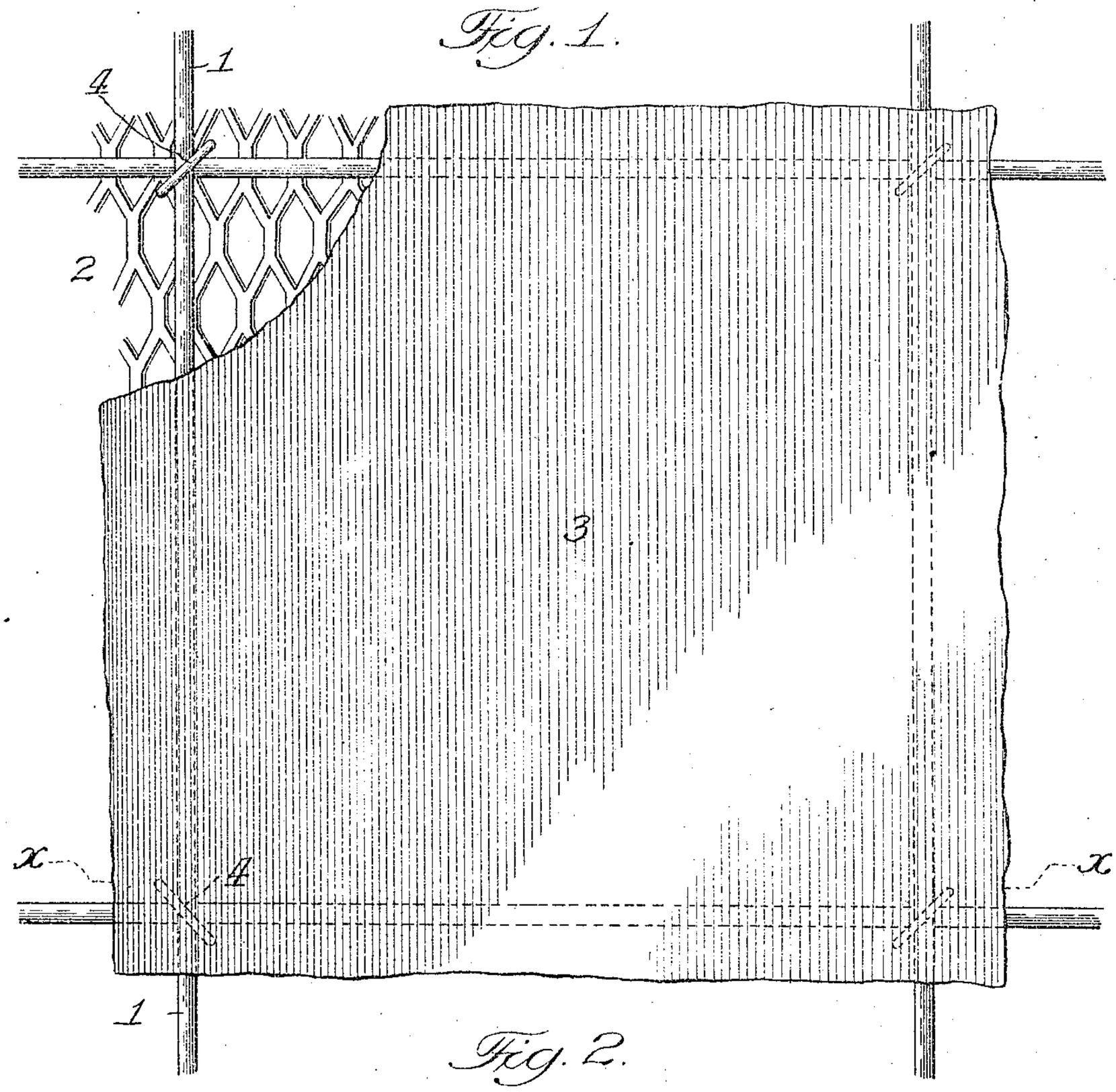


Fig. 2.

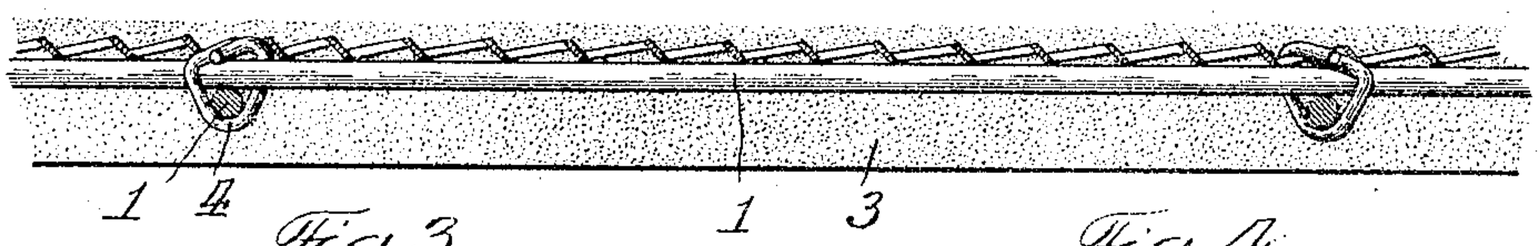


Fig. 3.

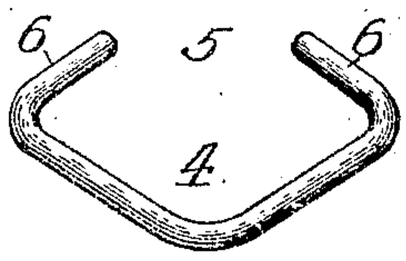
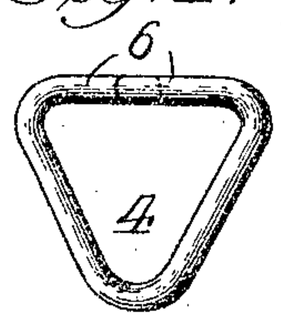


Fig. 4.



Attest:
John Enders.
Henry Mellor.

Inventor:
George M. Graham,
by Robert Burns
Attorney.

UNITED STATES PATENT OFFICE.

GEORGE M. GRAHAM, OF CHICAGO, ILLINOIS, ASSIGNOR TO G. A. EDWARD KOHLER, OF CHICAGO, ILLINOIS.

REINFORCED-CONCRETE PARTITION.

938,659. Specification of Letters Patent. Patented Nov. 2, 1909.

Application filed October 17, 1907. Serial No. 397,859.

To all whom it may concern:

Be it known that I, GEORGE M. GRAHAM, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Reinforced-Concrete Partitions, of which the following is a specification.

This invention relates to that type of reinforced concrete buildings which constitutes the subject matter of my prior patent No. 865,490 of Sept. 10, 1907; and has for its object to provide a simple and efficient means for securing the perforated sheet lathing at the rear of the skeleton reinforcing wire web of a reinforced concrete partition or other like vertical portion of the building, in a ready and substantial manner, all as will hereinafter more fully appear.

In the accompanying drawings:—Figure 1 is an elevation of a partition with parts broken away to illustrate the present improvement. Fig. 2 is a horizontal section of the same on line *x*—*x*, Fig. 1. Fig. 3 is a detail elevation of a link in an open condition previous to its application. Fig. 4, is a similar view of the link in its closed condition.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents the reinforcing wires of a partition or other vertical portion of a reinforced concrete building, and which wires under proper and uniform tension constitute the metal reinforcing center for a partition or the like, as set forth in detail in my aforesaid patent No. 865,490, of Sept. 10, 1907.

2 is the perforated lathing sheet of expanded metal or the like, and which in the present construction is arranged to the rear of the skeleton wire center 1, and secured in place by the tie or clip pieces 4 hereinafter described, to receive the imposed mass 3 of concrete which forms the main portion of the partition or other vertical portion of the building.

The feature of novelty in the present improvement lies wholly in the construction of the aforesaid tie or clip piece 4, so that the same can be easily and rapidly applied to afford a strong and substantial connection, and which by the avoidance of any extended projection of the clip at front permits of the formation of a very thin partition and at the same time offers a minimum interference with the finishing operation upon the face of the concrete mass. To the above ends the said clips are formed of wire and initially have the quadrilateral form shown in Fig. 3, with one of the corners thereof cut away to form the gap or opening 5 and a pair of free prongs 6, which are capable of ready and convenient introduction around the reinforcing wires 1 and through the perforations of the lathing 2, after which the clips are clenched or set by a suitable tool into the substantially triangular form shown in Figs. 2 and 4 with the free prongs 6 overlapping each other as shown.

Having thus fully described my said invention what I claim as new and desire to secure by Letters Patent, is:—

The combination in a reinforced concrete partition, of a series of reinforcing wires in crossed relation, perforated sheet lathing arranged at one side of said wires, and clips applied to said wires at their intersecting points and embracing adjacent portions of the perforated lathing to secure the parts together, said clips having an open quadrilateral form initially, substantially as set forth.

Signed at Chicago, Illinois this 2nd day of October 1907.

GEORGE M. GRAHAM.

Witnesses:

ROBERT BURNS,

FRANK S. REID.