No. 736,316. PATENTED AUG. 11, 1903.

J. TRUNZER.

FLOOR CONSTRUCTION.

APPLICATION FILED JAN. 2, 1903.

NO MODEL.

Fig. 2

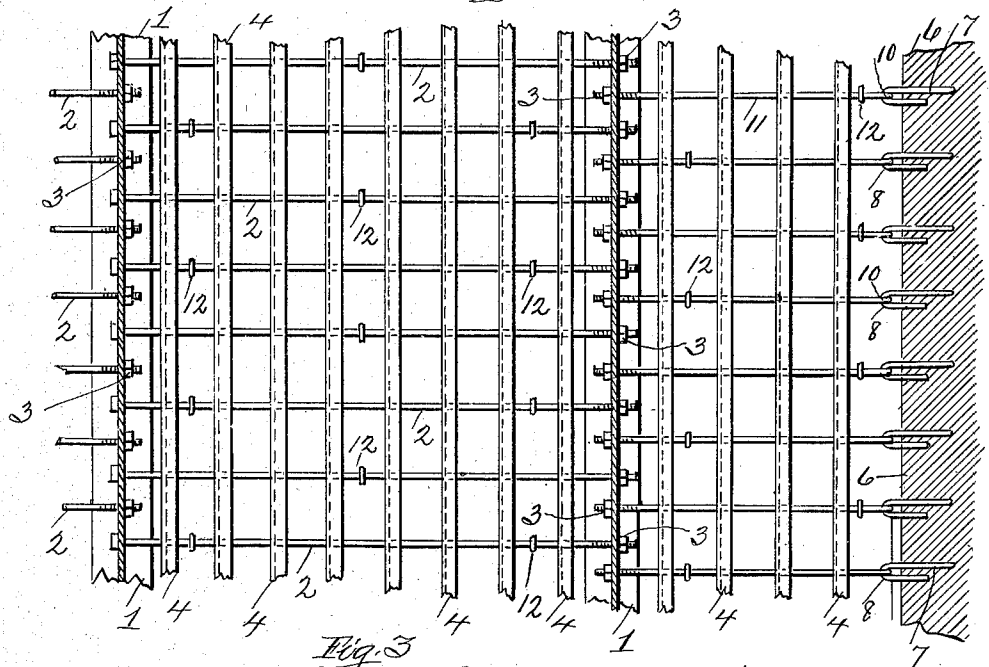


Fig. 3

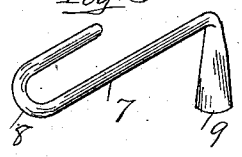


Fig. 4

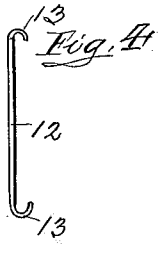
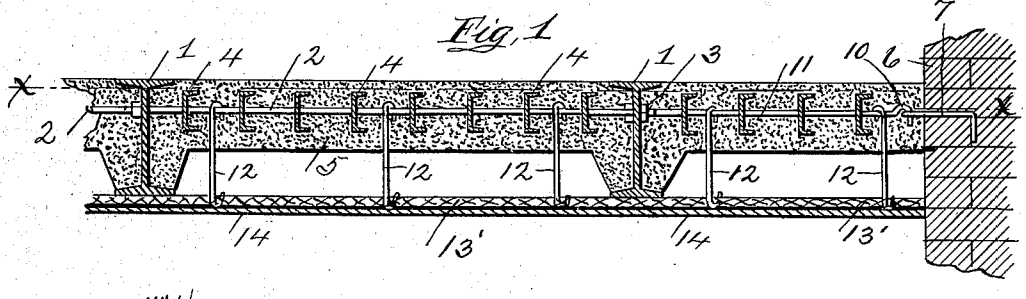


Fig. 1



Witnesses:

R R Lowry

M Hunter

Inventor:

John Trunzer

By O D Lewis

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 736,316. Patented August 11, 1903.

UNITED STATES PATENT OFFICE.

JOHN TRUNZER, OF PITTSBURG, PENNSYLVANIA.

FLOOR CONSTRUCTION.

SPECIFICATION forming part of Letters Patent No. 736,316, dated August 11, 1903.

Application filed January 2, 1903. Serial No. 137,442. (No model.)

To all whom it may concern:

Be it known that I, JOHN TRUNZER, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Floor Construction, of which improvement the following is a specification.

This invention relates to an improvement in the construction of floors for buildings; and it consists in the certain details of construction and combination of parts, as will be fully described.

In the accompanying drawings, Figure 1 is an end sectional elevation of a portion of a floor constructed and arranged in accordance with my invention. Fig. 2 is a sectional plan view of the same, the said section being taken on the line X X of Fig. 1, the concrete filling together with the ceiling being removed therefrom. Fig. 3 is a perspective view of one of the binding-hooks or anchors. Fig. 4 is a view of one of the hangers used for supporting the ceiling.

To construct a floor for buildings in accordance with my invention, the said floor being supported on "I-beams" 1 after the style in modern buildings, I form through the web of the said beams a series of bolt-openings, arranged in a horizontal line and extending from the one end of the beam to the other. Threaded in these openings above mentioned are bolts 2, extending in parallel lines from one beam to another and the said bolts fitted with nuts 3, by means of which the bolts are held rigidly in position. A series of light channel-bars 4 are supported by these bolts 3, the said bars being perforated and threaded upon the bolts 2, and the said bars arranged parallel the one with the other and extending in the direction of the length of the beams 1. To attach this structural portion of the floor to the side walls, a number of anchors are provided, each of which consists of a metal rod 7 bent in the form of a loop to form an eye 8 and the other end bent at right angles, as at 9, to engage with the bricks of the wall 6. The bolts 2 used in these sections of the floor are each formed with a hook 10 and are fitted at their ends with nuts 3 and threaded through the I-beam 1 in the same manner as above described. The intervening space between the channel-bars 4 and a short distance above and below the same are filled with concrete 5, as shown in Fig. 1 of the drawings, and to properly support the ceiling rods 12, having hooks 13 at either end, are engaged with the bolts 2 and with the metal lathing 13′, over which the plaster forming the ceiling 14 is placed.

The surface of the floor is finished with cement, tile, or wood, as desired.

Various slight modifications and changes may be made in the details of construction without departing from the spirit of the invention. Therefore I do not confine myself to the exact construction shown and described.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The herein-described construction for floors of buildings, consisting of the supporting "I-beams," a series of bolts threaded in a horizontal position through the web of the said beams, arranged in parallel lines and fitted with nuts, a series of channel-bars threaded and supported by the said bolts, said bars extending in the direction of the length of the I-beams, and suitable hooks suspended from the bolts for supporting the ceiling, all arranged and combined substantially as described.

2. The herein-described construction for floors of buildings, consisting of the supporting I-beam, a series of bolts 2 threaded through the web of the same, the said bolts being provided with nuts at the one end and hooks at the other, a suitable anchor for each bolt, the said anchor being embedded in the wall of the building and engaged with the hooks of the said bolts, and a series of channel-bars threaded and supported upon the bolts, all arranged and combined, substantially as and for the purpose specified.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JOHN TRUNZER.

In presence of—
LOUIS MOSER,
M. HUNTER.