July 17, 1928. 1,677,140

J. S. KETTERMAN

BUILDING CONSTRUCTION

Filed Sept. 10, 1927

Fig. 1.

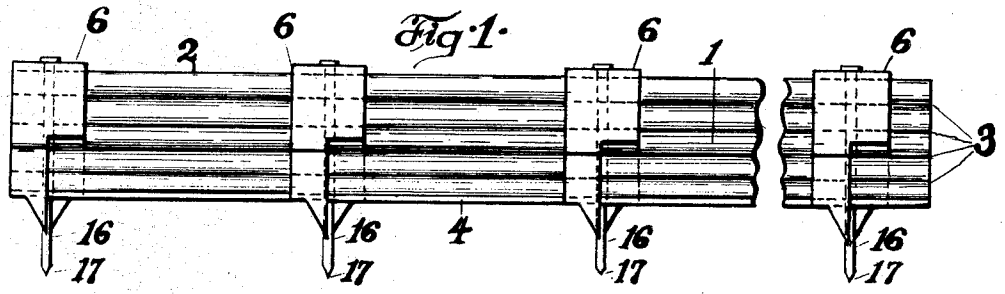


Fig. 2.

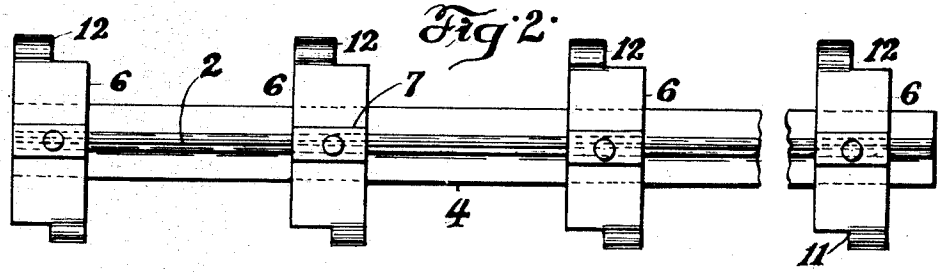


Fig. 3.

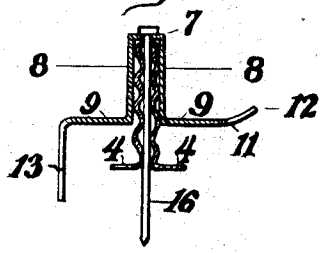


Fig. 5.

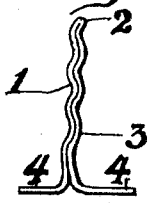


Fig. 4.

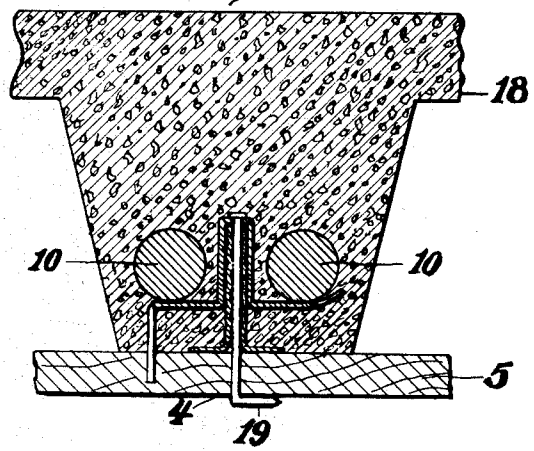
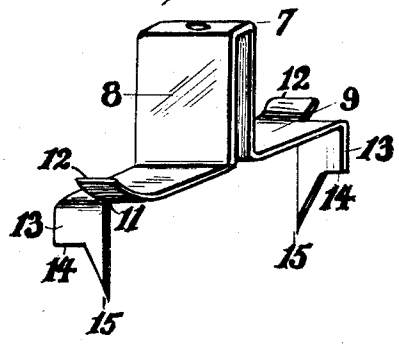


Fig. 6.



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Patented July 17, 1928. 1,677,140

UNITED STATES PATENT OFFICE.

JOHN S. KETTERMAN, OF DALLAS, TEXAS.

BUILDING CONSTRUCTION.

Application filed September 10, 1927. Serial No. 218,641.

This invention relates to building structures, and has for its object to provide a simple, practical and efficient means for attaching lath or plaster board to concrete joists or the like.

In the drawing

Figure 1 is a side elevation of a strip of the main supporting element or nail receiving and holding strip, showing at intervals the superimposed stools for supporting the usual concrete reinforcing bars;

Figure 2 is a plan view of the structure as shown in Figure 1;

Figure 3 is a cross sectional view of the structure shown in Figure 1;

Figure 4 is a cross sectional view of a concrete joist showing this invention incorporated therein, with plaster board attached to and supported thereby;

Figure 5 is a detail of the nail receiving and holding strip;

Figure 6 is a detail of one of the rod supporting stools.

This invention comprises a nail receiving, holding and supporting strip 1 which consists of a strip of sheet metal bent upon itself at 2 along its medial line, corrugated longitudinally for holding nails driven from below, if necessary for support of lath, as shown at 3, and having its free edges 4 spaced or spread slightly apart, as clearly shown in the drawing to form an opening for receiving the nails or staples for fastening the lath 5. Any required number of rod or bar supporting stools 6 are provided, the same consisting of relatively short strips of sheet metal, each strip being bent medially at 7 and having parallel side portions 8 spaced sufficiently apart to embrace the said nail strip 1, and having wings 9 turned out laterally and perpendicularly to the side portions 8 to form supports or stools for the usual reinforcing bars 10, the ends of the said wings being split medially as shown at 11, one of the partings at each side being turned upwardly to form flanges 12 to prevent the bars 10 rolling off their supports, and the remaining partings being turned downwardly to form spacing legs 13. These legs are cut away at an intermediate point to form stop shoulders 14, the extremities being tapered to form entering points 15 adapted to pierce the lath 5 or other material desired to be secured in place.

Any suitable form and length of nails 16 are pierced through the bights 2 and 7 of the strips 1 and stools 6, their points 17 extending down to engage the lath 5. Additional nails (not shown) may be employed intermediate the stools 6, if desired.

In use, the assembly of nail strip 1, superimposed and spaced stools 6, with the nails 16 passed through them as described, and bars 10 are embedded longitudinally about one inch above the under side of the concrete joist 18, in the process of forming the said joist and in a well known manner, the wings 9 being consequently embedded in the cement about one inch above the under side of the joist. The lath 5 or other material is then forced up in place against the points 15 and 17 of the spacing legs and nails, which penetrate the said board. The nail points 17 may then be bent over as shown at 19 to lock the lath in place.

While I have herein described a certain specific manner and method of constructing and assembling the elements of my invention, it is understood that I may vary from the same in minor details, not departing from the spirit of my invention, so as best to construct a practical device for the purpose intended, as defined in the appended claims.

I claim:

1. In a structure of the kind described, a corrugated nail supporting strip of sheet metal bent upon itself along its center longitudinal line; a rod supporting stool superimposed over the nail supporting strip, and a nail passed through the bights of the two elements.

2. In a structure of the kind described, a nail supporting strip of sheet metal corrugated longitudinally and bent upon itself along its center longitudinal axis, the free edges of the strip being spread apart; a rod supporting stool consisting of a relative short strip of sheet metal bent upon itself on its transverse axis and seated astraddle the bight of the said nail strip, the said stool having laterally extended bar supporting wings, the extremities of the wings be-

ing formed into spacing legs turned down perpendicularly to the wings, and upwardly turned bar flanges.

3. In a structure of the kind described, a rod supporting stool, comprising a strip of sheet metal formed into spaced and parallel side portions, rod supporting wings extended laterally from the said side portions, the ends of the said wings being split medially at each side and formed into upwardly turned flanges and downwardly turned spacing legs.

In testimony whereof I affix my signature.

JOHN S. KETTERMAN.