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C. P. HIGGINS

2,227,713

SCREED HOLDER

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Fig. 1.

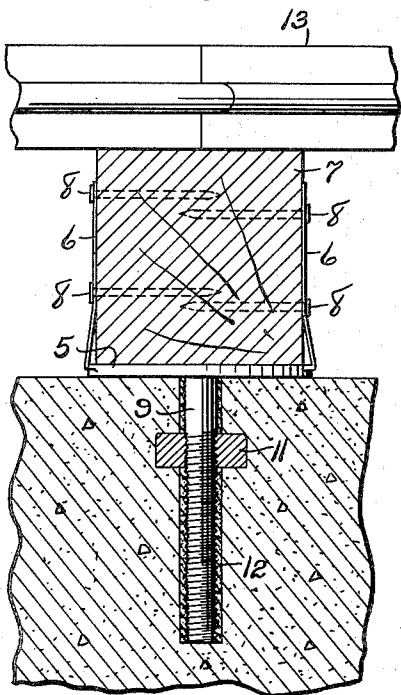


Fig. 2.

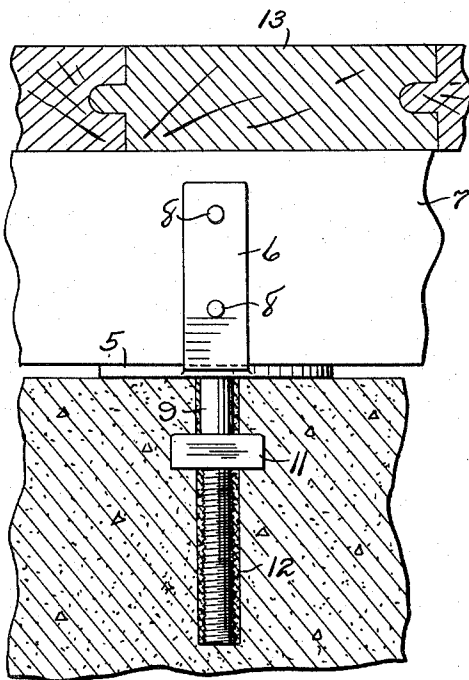


Fig. 3.

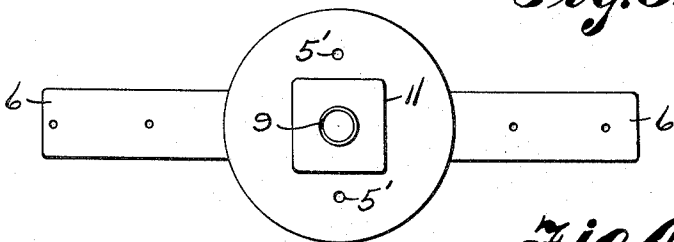
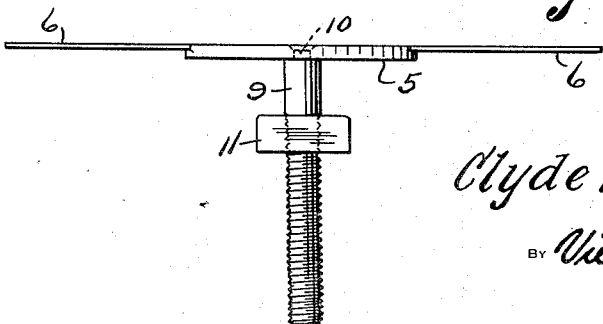


Fig. 4.



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SCREED HOLDER

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3 Claims. (Cl. 72-101)

My invention relates to screed supporting means.

An important object of my invention is to provide a means for properly positioning the screeds upon which the finished flooring is laid.

A further object of my invention is to provide a means for positioning the screeds that will be easily accessible from above.

A still further object of my invention is to provide a screed positioning device that is simple in construction, efficient in operation, and extremely inexpensive to manufacture.

Other objects and advantages of my invention will be apparent during the course of the following description.

In the accompanying drawing, forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a side elevation, showing parts in section, of a device embodying my invention,

Figure 2 is a front elevation of the same,

Figure 3 is a bottom plan view of my device, and

Figure 4 is a side elevation of the same.

In the drawing, wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 5 designates a substantially circular plate having diametrically opposed flanges 6 extending therefrom, adapted to be bent upwardly and fastened to the wooden screed 7 by means of nails 8 or the like. Openings 5' are provided in the plate 5 to permit a suitable tool attached to a carpenter's brace or the like to be inserted therein and the plate 5 rotated to a requisite level. Depending centrally from the plate is a screw-threaded shank 9 which is secured to the plate by means of a rivet 10 or the like. The lower part of the shank 9 is screw threaded and is provided with a nut 11 screw threadedly engaged thereon.

The operation of my device is as follows:

In the construction of both concrete and wooden buildings, it is customary to provide a sub-floor of concrete over which the finishing floor is laid. The finishing floor is carried by and nailed to screeds supported above the concrete underfloor. The rough floor, however, is not leveled with any degree of accuracy when laid and it therefore becomes necessary to accurately level the screeds upon which the finishing floor is laid. This is most frequently done by wedging blocks beneath the screed or by filling in beneath the same with plaster or concrete so that the upper faces thereof are at the requisite level. This is

a difficult and arduous task and is rarely accomplished with any great degree of success.

In my invention, I coat the screw-threaded shank 9 with a heavy coating 12 of caulking compound, grease, pitch or any substance which will permit the concrete to harden therearound and not adhere to the outer surface thereof. The nut 11 is left clean of any coating in order to permit the concrete to harden therearound and securely hold the same against displacement. The screed holding devices are embedded in the concrete at intervals sufficient to properly hold the screeds that are to be supported thereby. The screeds 7 are placed on the circular plate 5 and the latter rotated until the screeds are positioned at the requisite level. The rotating of the shank 9 is easily affected due to the protective coating 12 therearound. When the screeds have been properly leveled, the flanges 6, which are of a lesser thickness than the circular plate 5, may be bent upwardly along the sides of the screeds 7 and firmly secured thereto. When this has been accomplished, the finished flooring 13 is then laid in an accurate and efficient manner.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of my invention or the scope of the appended claims.

Having thus described my invention, I claim:

1. In a building construction, a composite concrete floor, a nut immovably embedded a substantial distance beneath the surface of the concrete, a screed supporting member having flanges adapted to engage the sides of the said screed, and a screw-threaded shank depending from the screed supporting member and screw-threadedly engaging said nut, said shank being coated with a substance to prevent the bonding of the concrete therewith and to permit the shank to be freely rotatable after the concrete has set.

2. A screed positioner comprising a nut firmly embedded in the concrete base floor of a building, a screed supporting member having means integral therewith to secure the said screed thereon, and a screw-threaded shank attached to said screed supporting member and screw-threadedly engaged to said nut, said shank being coated with lubricant to prevent the bonding of the concrete therewith and to permit the shank to be freely rotatable after the concrete has set.

3. In a building construction including a composite concrete floor, a nut embedded a substan-

5 tial distance beneath the surface of the concrete and firmly adhering thereto, a screed supporting base having integral flanges at diametrically opposed sides thereof, said flanges being of substantially reduced thickness relative to the base to permit the flanges to be easily bent into embracing relation to the screed and to conform to the outline thereof, and a screw-threaded

shank depending from the base and engaging the nut, said shank being coated with a suitable lubricant to prevent the bonding of the concrete therewith and to permit the shank to be freely rotatable within the said nut after the concrete has set. 5

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