June 24, 1930. M. B. THRIFT ET AL 1,767,565

FURRING DEVICE

Filed July 18, 1928

Fig. 1.

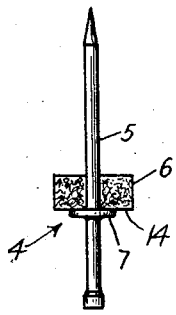


Fig. 2.

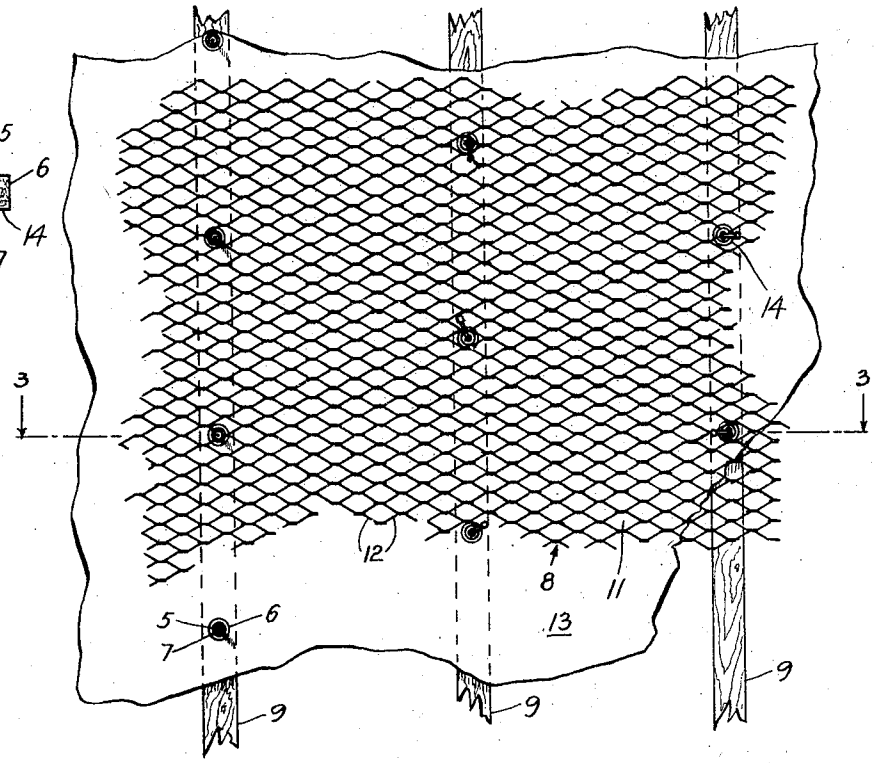
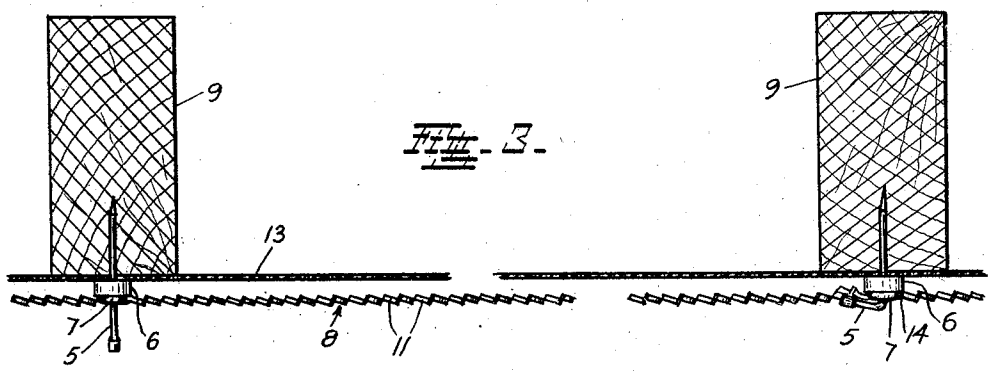


Fig. 3.



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UNITED STATES PATENT OFFICE

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FURRING DEVICE

Application filed July 18, 1928. Serial No. 293,585.

The invention relates to a device for simultaneously securing and furring metallic lathing in an operative position.

An object of the invention is to provide a device of the character described which is particularly adapted for furring lathing of the expanded metal type.

Another object of the invention is to provide an improved device of the character described which is arranged to be secured in place prior to the mounting of the lathing thereon.

A further object of the invention is to provide a device which may be utilized to secure a backing sheet against the supporting members for the lathing without damaging said backing sheet.

A still further object of the invention is to provide a device of the character described having the parts thereof unitarily associated whereby it may be handled and applied as a unit.

The invention possesses other objects and features of advantage, some of which, with the foregoing, will be set forth in the following description of a preferred form of the invention which is illustrated in the accompanying drawings, in which,

Figure 1 is a side view of a furring member incorporating the present invention, a spacer portion thereof being shown in section.

Figure 2 is a fragmentary face view of a wall structure having backing paper and metallic lathing fixed thereto by the use of a plurality of the furring members.

Figure 3 is an enlarged fragmentary view taken generally at the line 3—3 in Figure 2.

Essentially, and as shown, the furring device of my invention consists of a member 4 comprising a straight nail portion 5 carrying a spacing portion 6 in unitary association therewith. In the present embodiment, the member 4 is formed by driving a preformed nail constituting the portion 5 axially through a cylindrical plug of a fibrous material which constitutes the spacer portion 6 of the device, it being clear that the nail 5 will thus be frictionally engaged in the plug 6 whereby the nail and plug may be handled and applied as a unit. The spacer 6 is arranged to occupy and be retained in a definite place on the nail 5, and a stop 7 is accordingly provided on the nail for limiting the movement of the spacer toward the head end of the nail. As particularly shown, the stop 7 is in the form of flat collar of less diameter than the spacer and is fixed to the nail at the appropriate point thereof for engagement against the opposed end of the spacer to limit its movement along the nail. In the present instance, the nails 5 are similar to those known as six penny finish nails and so need not be of special manufacture. The spacers 6 may be either of a metallic or non-metallic material, but are preferably of the latter type of material for a reason to be hereinafter brought out.

As has been previously stated, the members 4 are particularly adapted for securing lathing 8 of the expanded metal type to a wall, which wall is here shown as defined by means of a plurality of parallel studding members 9. The lathing 8, it is noted, provides similar and generally rhombic interstices 11 defined by and between metal portions 12 which, for convenience, will hereinafter be referred to as strands. In the present structure, a backing sheet 13 of building paper is included, said backing being disposed between and against the forward edges of the wall members 9.

In erecting the typical wall structure, the backing 13 is first disposed along the members 9 and is secured thereto by driving therethrough and into the studding a number of the securing members 4, the nails of said last members being driven into the studding members until the spacers 6 engage the backing 13 for fixing it tight against the studding, it being noted that the relatively large flat bases of the spacers 6 and the fact that the spacers are of slightly yielding material, provides for a seal of the backing at the holes made by the nails passing therethrough without cutting or otherwise injuring the backing. When the backing has been thus secured to the wall with the spacers 6 extending outwardly thereof, the lathing 8 is disposed against the spacers with the protruding heads ends

of the nails extending through interstices of the lathing, it being clear that in the case of a vertical or sloping wall, the protruding nail ends will support the lathing in place.

It will now be noted that the diameter of the spacers 6 at their outer ends is greater than the least width of the interstices 11 whereby the lathing may lie against the outer outer ends 14 of the spacers 6 but may not receive the spacers therethrough. With the lathing disposed against the spacer ends 14, the protruding nail ends are bent over into transverse relation with the nail and spacer axis to hold the lathing against the spacers, it being clear that at least one strand 12 will engage each spacer so that the direction of bending over of the nail is immaterial, the length of a nail portion bent over being sufficient to engage across at least one strand. It will usually be preferable, however, to bend the nail over the strands which engage the spacers, thereby insuring a particularly firm fastening of the lathing against the spacers. It is noted that in Figures 2 and 3, nails are shown both before and after bending. And it will be further noted that no exact arrangement or disposal of the furring members is required for permitting a mounting of the lathing thereon. It will thus be clear that the application and use of the members 4 involves a minimum of manipulation on the part of a mechanic, whereby the preparation of a wall for a stucco coat may be effected in a minimum time.

While the fastening device of the invention is herein described as particularly applied for securing and furring lathing of the expanded metal type, it will be clear that the major advantages thereof would also accrue in its use with woven wire netting used for the same purpose, particularly if said netting is of relatively small mesh.

We claim:

1. Means for securing metal lathing to a wall member in spaced relation therefrom comprising a perforated spacer arranged to be interposed between the lathing and wall member, a nail disposable through the spacer perforation and arranged for driving into the wall member, and an integral collar on said nail at an intermediate point thereof cooperative with the spacer for limiting the inward driving of the nail whereby the spacer is arranged to be fixed against the wall and an outer nail portion protrudes from the spacer.

2. Means for securing metal lathing to a wall member in spaced relation therefrom comprising a spacer arranged to be interposed between the lathing and wall member, a separate nail member disposable through the spacer and arranged for driving into the wall member, and means on said nail cooperative with the spacer for simultaneously limiting the inward driving of the nail whereby the spacer is arranged to be fixed against the wall and an outer nail portion protrudes from the spacer, said outer nail portion being arranged to be bent over against the lathing for securing the same against the outer face of the spacer.

3. Means for securing metal lathing to a wall member in spaced relation therefrom comprising a nail arranged to be driven into the member, a spacer carried by and frictionally gripping an intermediate portion of said nail for movement of the nail therethrough, and stop means on said nail cooperative with said spacer to limit the amount of driving of said nail into the wall member.

4. Means for securing metal lathing to a wall member in spaced relation therefrom comprising a straight nail arranged to be driven into the member, and a spacer of yielding material engaged about an intermediate portion of said nail and arranged for bearing engagement with and between the wall member and lathing, the nail portion outwardly of said spacer being arranged to be extended outwardly through an interstice of the lathing and thereafter bent transversely of the nail axis to engage a strand of the lathing to secure the same against the outer bearing surface of the spacer.

5. Means for securing a backing sheet and sheet reinforcement to a support member in respectively engaged and spaced relation from the member, comprising a nail providing an intermediate and fixed stop and carrying a spacer displaceably fixed thereon between the stop and the nail point whereby a driving of the nail through the backing sheet to the limit imposed by the engagement of the spacer between the stop and sheet will fix the backing sheet against the member and a nail portion will protrude from the spacer for disposal through an interstice of the reinforcement, said latter nail portion being arranged to be bent outwardly of its point of emergence from the spacer to be disposed transversely of the nail axis and outwardly of the reinforcement for securing the latter against the spacer.

In testimony whereof we affix our signatures.

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