

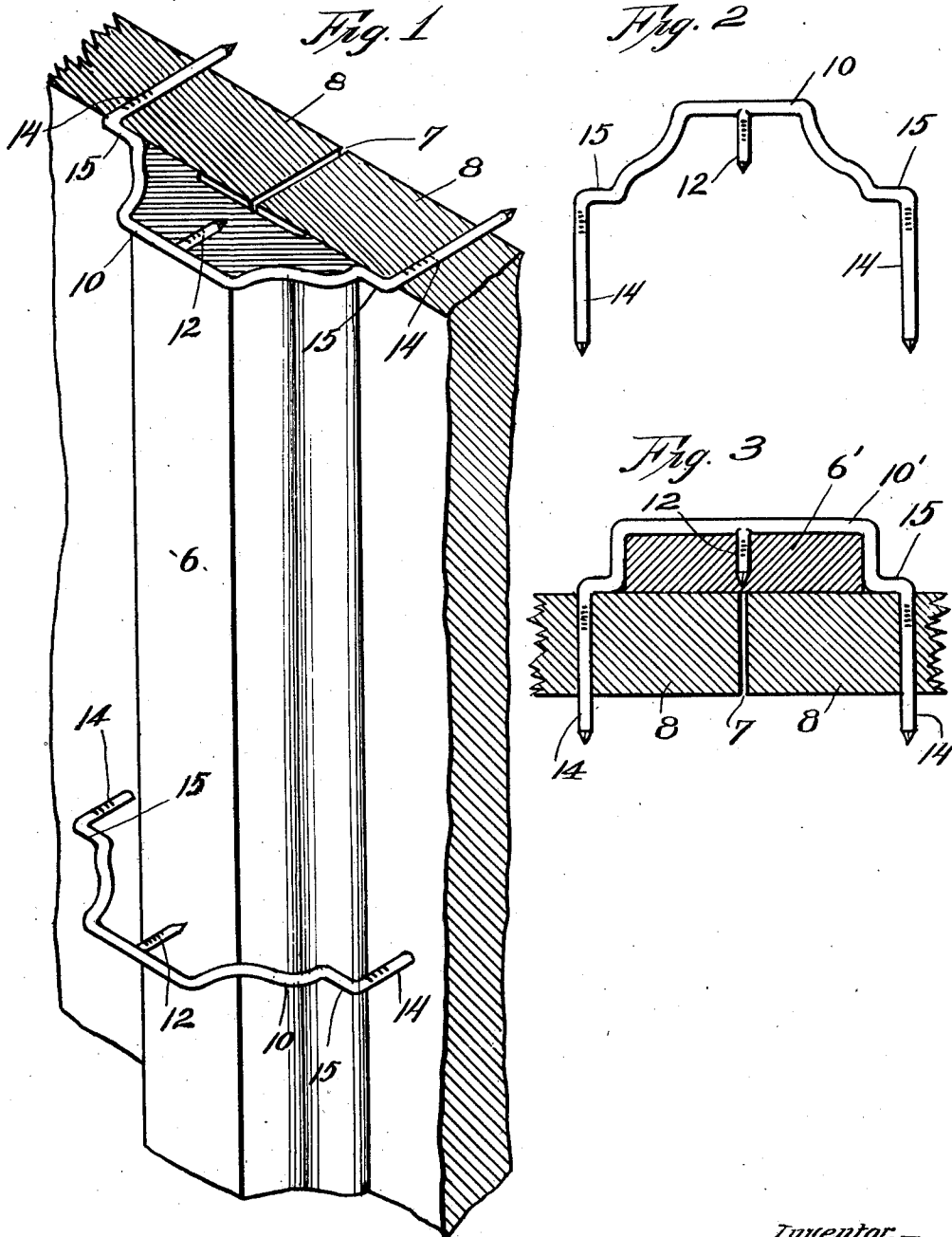
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1,562,681

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BATTEN NAIL

Filed March 16, 1925



Witness:

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UNITED STATES PATENT OFFICE.

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BATTEN NAIL.

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To all whom it may concern:

Be it known that I, LOUIS F. BONALY, a citizen of the United States, and a resident of Leavenworth, county of Leavenworth, State of Kansas, have invented a certain new and useful Improvement in Batten Nails, of which the following is a complete specification.

This invention relates to nails or like fastening devices, and for its principal object aims to provide an improved batten nail of a character adapted to produce a more effectual fastening means for securing battens to a building construction.

Accordingly, I have devised an improved device of this character in which the body portion of the nail is adapted to embrace one side or the outer face of the batten, where it is provided with a prong or nail element designed to be embedded in the outer face of the batten, said body portion being further provided with one or more nail elements designed for the purpose of securing the batten to the building structure.

Incidentally, the body portion of the nail is also provided with one or more shoulders to provide driving heads for the nail elements which secure the device to the building structure.

It is also sought to provide a simple and practical device, of a character which will be economical and inexpensive to manufacture, by virtue of its being adapted for manufacture in large quantities from wire or other suitable strip material.

With the foregoing general objects in view, the invention will now be described by reference to the accompanying drawing illustrating certain forms of construction adapted to embody the proposed improvements, as well as the method of applying the same, after which those features deemed to be novel will be particularly set forth and claimed.

In the drawing:—

Figure 1 is a perspective view showing a portion of a building construction making use of batten strips, and having the latter secured in place by means of batten nails constructed in accordance with the present invention;

Figure 2 is a detailed view of one of the batten nails;

Figure 3 is a detail sectional view, illustrating a modified form of nail.

Referring now to the drawing in detail,

this illustrates the proposed improved device as employed for the purpose of securing batten members 6 to seal or close up the cracks or openings 7 between the siding members 8 of a building structure, to which the batten members are ordinarily secured by means of nails or equivalent fastening elements of the single prong type. The objection usually made to the character of the fastening connection thus made is that the nails have a tendency to split or crack or otherwise damage the batten strip, or fail to make a tight connection between the batten and siding members on account of the nails not being properly embedded or seated in the building members where they may enter a crack or other opening, and, further, on account of the difficulty in not always being able to match up or secure the batten members in true or exact position over the openings between the edges of adjoining siding members.

In the present construction, I provide a batten nail of the form illustrated and comprising a body portion 10 shaped to follow the transverse contour of the outer face of the batten members 6 which, in the form illustrated in the Figure 1, assumes a double ogee contour, and the intermediate point of this body portion 10 is provided with an inwardly projecting prong or nail element 12 designed to be embedded in the batten member from its outer face, as illustrated in Figures 1 and 3. The form of the device shown in Figure 3 simply varies from that illustrated in Figures 1 and 2 in that the body portion 10' is shaped to conform to a batten 6' of rectangular cross section.

The ends of the body portion 10, or 10', are both provided with nail elements 14 of suitable length to be driven into and embedded in the siding members 8, and, if desired, these may be of a length to extend entirely through the siding members in order to be clinched on the interior of the building structure. At the ends of the body portion 10 or 10', of the nail, suitable shoulder portions 15 are provided to act as driving heads for the nail elements 14, in the application of the nails into batten-securing position.

It will thus be seen that I have devised a practical and efficient batten nail, the advantages of which will be at once apparent from the manner in which it embraces the batten member and secures the same to the

building structure at both sides of the seam or crack 7. In the assembly of the parts, an advantage is gained from the outstart by virtue of the fact that one of the nails 5 may be first positioned and partly driven to present the nail element 12 directly over the seam or crack 7, whereupon the end of the batten member 6 may be inserted and thus correctly positioned with reference to 10 the opening between the siding members 8 before the first batten nail is driven entirely into place and before the remaining nails are driven in place. The nail element 12 may of course be of any desired or required length to suit conditions, and the 15 function of this element 12 is to prevent any longitudinal creeping movement of the batten member. The provision of the shoulders 15 facilitates the proper driving of the batten nails into place, which driving operation is accomplished without any difficulty whatever, the driving force being first applied to one of the shoulders and then the other, alternately. After the series of nails 20 have been applied the entire length of the batten member, it is obvious that this member is held snugly in position its entire length on account of the nails embracing the batten member at the different points entirely across the same, and even if there 30 should be any cracking or splitting of the batten due to the nail element 12, it is nevertheless apparent that the body portions of the nails serve, by embracing the entire transverse contour of the batten member, to 35 maintain any such cracks or split portions practically closed, so that the efficiency of the batten member as a means for sealing the openings or cracks 7 is not appreciably diminished. Since so many building 40 constructions now make use of rubberoid or equivalent weatherproof sheeting material, the application of batten members has wide use, and when used in connection with nails

of the improved type herein described, the 45 weatherproof conditions thereby attained are not only increased as to efficiency, but the appearance of the finished construction is likewise improved.

It will also be clear that the improved 50 type of batten nail may be made either of wire, or other inexpensive strip material, from which the improved nail may be made of continuous or one-piece construction, and economically manufactured in considerable 55 quantities. While I have illustrated what I now regard as the preferred form of manufacture, I desire to reserve the right to make such changes as may fairly fall within the scope of the appended claims. 60

What I claim is:—

1. A batten nail comprising a body portion adapted to embrace the outer face of the batten member and carrying a prong or nail element for embedment in said outer 65 face of the batten member, said body portion terminating at both ends in nail elements for securing the batten member to a building structure, and the end portions of said body portion also being formed with 70 shoulders providing heads for said last-named nail elements.

2. A batten nail comprising a one-piece continuous strip of metal shaped to provide a body portion adapted to embrace the outer 75 face of the batten member and carrying a prong or nail element for embedment in said outer face of the batten member, said body portion terminating at both ends in nail elements for securing the batten member to 80 a building structure, and the end portions of said body portion being formed with shoulders providing heads for said last-named nail elements.

In witness whereof I hereunto affix my 85 signature.

LOUIS F. BONALY.