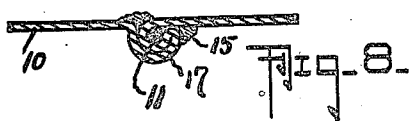
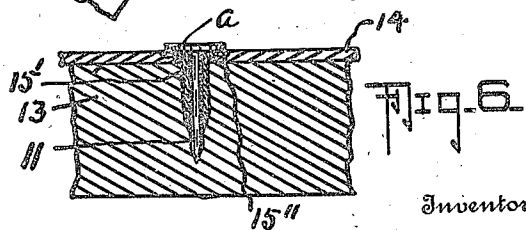
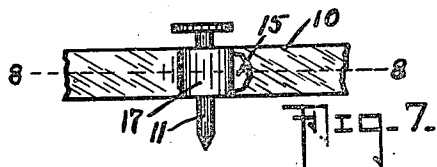
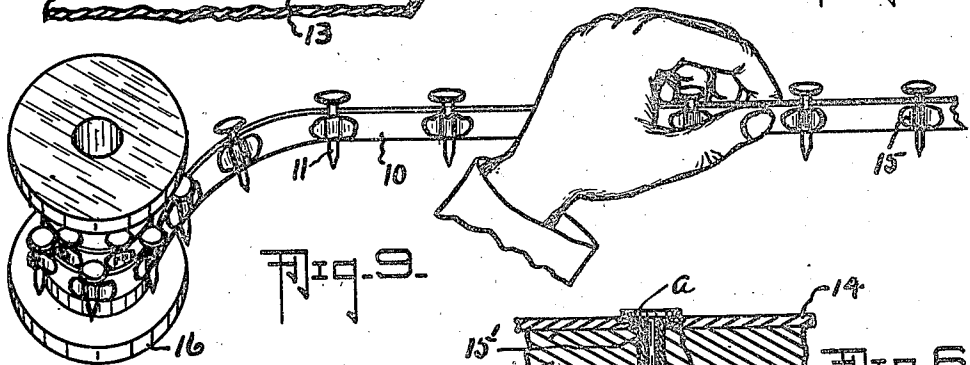
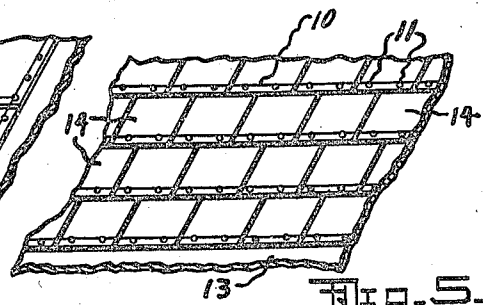
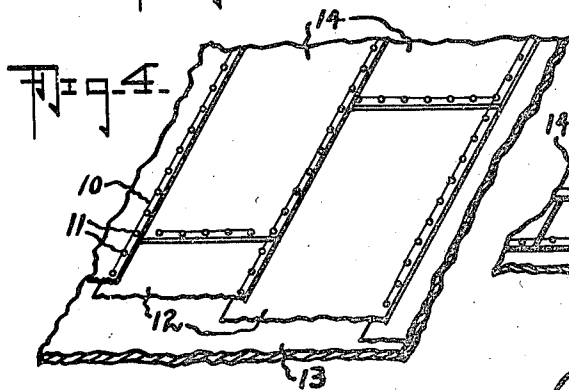
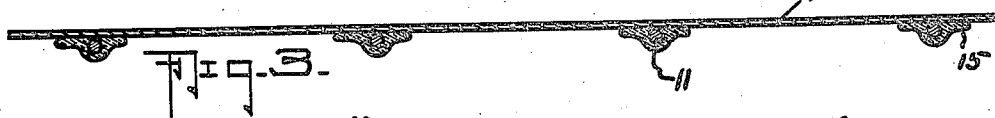
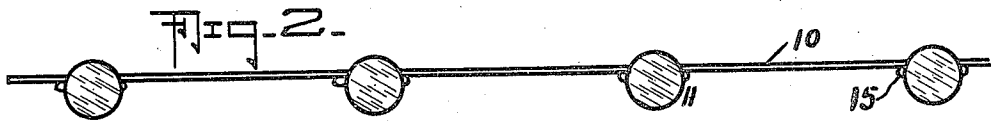
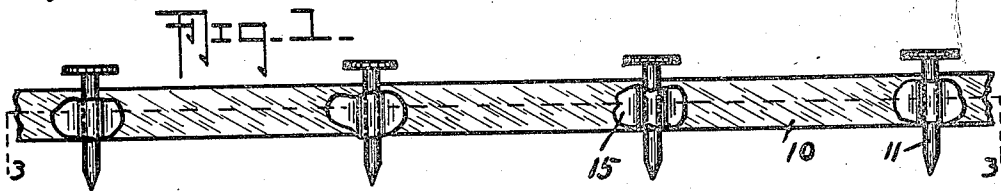


A. C. FISCHER.
 COMBINED NAIL HOLDING AND SPACING MEANS.
 APPLICATION FILED DEC. 12, 1916.

1,263,218.

Patented Apr. 16, 1918.



Inventor.

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UNITED STATES PATENT OFFICE.

ALBERT C. FISCHER, OF KANSAS CITY, MISSOURI.

COMBINED NAIL HOLDING AND SPACING MEANS.

1,263,218.

Specification of Letters Patent.

Patented Apr. 16, 1918.

Application filed December 12, 1916. Serial No. 136,432.

To all whom it may concern:

Be it known that I, ALBERT C. FISCHER, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Combined Nail Holding and Spacing Means, of which the following is a specification.

This invention relates to a combined nail holding and spacing strip and has for one of its objects to provide convenient means for holding nails, pins or similar impaling objects which are to be driven by use of a hammer or similar tool, so that the time, or a considerable part thereof, required by a workman in picking up, placing or "spotting" the nails may be saved.

Another object is to provide means by use of which nails, when driven, may appear in straight lines, horizontal or otherwise, and will be uniformly spaced. Still another object is to provide for the mounting of the nails, an adhesive so arranged that when the nail has been driven home, the adhesive may have a bearing under the nail head and will partly fill the puncture produced by the nail, this being of advantage upon buildings where shingles or roofing sheets are employed.

The invention includes a new article of manufacture consisting of rolls, packages or spools of flexible strips, each strip being provided at longitudinal intervals with nails, pins, brads or the like, these being disposed transversely of and connected with one of the sides of the strip by means of suitable adhesive material.

With the foregoing objects in view and others to be hereinafter mentioned, the invention presents a novel construction, combination and arrangement of parts as described herein and claimed, and as illustrated in the accompanying drawing, wherein,—

Figure 1 is a view in side elevation of a flexible strip with nails or brads adhesively connected therewith, and Fig. 2 is a plan view of the same. Fig. 3 is a longitudinal section on line 3 3 of Fig. 1. Figs. 4 and 5 are broken away, perspective views, respectively, of sheet roofing and shingles employed in roof construction, illustrating use of the device for disposing the nails in alignment and at uniform distances from each other. Fig. 6 is a broken away view showing parts of a roof board, a flexible roofing

sheet, a driven nail, and impacted adhesive material, to illustrate one of the uses of the invention. Fig. 7 illustrates a modified form of mounting for the flexible strip. Fig. 8 is a longitudinal section on line 8—8 of Fig. 7. Fig. 9 is a perspective view showing the preferred manner of use of the flexible nail-bearing and spacing-strip.

Referring now to the drawing, numeral 10 indicates a flexible strip of any suitable material and of any desired length, its width being somewhat less than the length of the nails, brads or other impaling objects mounted thereon.

The invention is particularly useful in building construction for securing fiber roofing sheets 12 or shingles 14 upon a roof 13 as illustrated in Figs. 4 and 5.

In the work of covering a roof and nailing the sheets 12 thereon as heretofore practised, the brads or nails, on account of a lack of means or facilities for measuring, are often disposed at too great a distance from each other; also the fibrous sheets frequently become broken or punctured by the nails being scattered thereon and tramped upon by the workmen; also the work of picking up nails and placing them in position for nailing requires a considerable amount of time, comparatively, and the fingers while holding the short nails or brads, often obstruct the view of a workman, so that the brad or nail is not driven at right angles to the roof boards. Also on account of changes of the weather and particularly the effects of extreme heat, the nails or brads become partly drawn or loosened. By use of the herein described invention these objectionable features may be avoided; and for securing composition shingles which, in width, are uniform, the use of the invention is of great advantage.

In carrying out the invention the nails may be secured to the strip by any suitable means, the means herein shown being small portions of adhesive material 15 which connect the nails with and at uniform intervals upon one of the sides of the strip 10, the adhesive material, when the device is used in connection with roofing sheets or shingles being of a kind which will be impervious to the weather.

In instances where it is desired that the nails, after being driven home, will be disposed at right angles to the support, the nails are mounted upon the strips as shown

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in Fig. 1, each nail being disposed at right angles to the strip 10, the lower ends of the nails being disposed below the lower edge of the strip so that said edge will be maintained above the support or roof boards, to facilitate operation, and by referring to Fig. 9 it will be seen that an operator by use of a thumb and finger may conveniently hold the strip in an upright position to cause the nails to be disposed in a corresponding position, the fingers not obtruding, so that successive blows may be delivered without waiting to pick up the nails, and by the means described, the nails, when driven, may appear in alinement, and will be disposed at uniform distances from each other.

As shown in Fig. 6, the adhesive material, in part, will be conducted by the nails to operate as fillers 15' in any enlarged part of the aperture when said nails are driven into the wood support 13, tending to prevent the nails from becoming loosened or drawn by sun-heat; and when a brad or nail is driven into a support 13, a part 15'' of the adhesive material will be moved upwardly and become packed below the head *a*, which protects the adjacent fibrous sheet 12 and prevents rain or dampness from entering.

The distance apart for members 11 upon the strips depends upon the uses of the device. As a new article of manufacture it is furnished to the trade in packages, or rolls, ready for use, and may be mounted upon spools 16 for this purpose, if desired.

Figs. 7 and 8 illustrate a loop 17 which

partly surrounds a nail or brad, the loop being formed by bending the strip and connecting it by use of an adhesive material to other parts of the strip, said adhesive material engaging the nail or brad as above mentioned. This modified form or means for a mounting of parts is considered to be within the scope of the invention since operation is practically the same as described.

What I claim as my invention, and desire to secure by Letters Patent is,—

1. In a new article of manufacture, a flexible strip, adhesive pieces disposed at longitudinal intervals on the strip and adhesively connected thereto, and a plurality of impaling-members embedded in the adhesive pieces to be maintained transversely of said strip.

2. In a new article of manufacture, a flexible strip, adhesive pieces disposed at longitudinal intervals on one side of the strip and adhesively connected thereto, a plurality of impaling-members embedded in the adhesive pieces and maintained substantially at right angles to the strip to be driven into a support, each impaling-member being provided with a head for conducting a part of an adhesive piece to said support when driven therein.

In testimony whereof, I have affixed my signature in presence of two witnesses.

ALBERT C. FISCHER.

Witnesses:

G. F. HANNOY,
O. H. BUCKLEY.