

E. J. KENNEY.
 ROOFING NAIL.
 APPLICATION FILED JULY 11, 1911.

1,052,258.

Patented Feb. 4, 1913

Fig. 1.

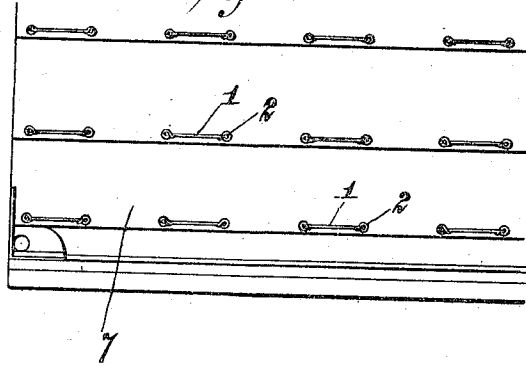


Fig. 2.

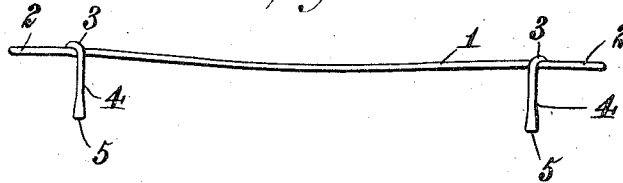


Fig. 3.

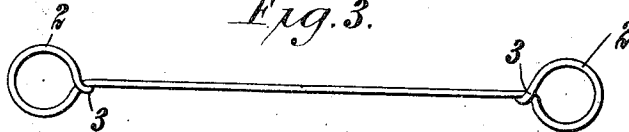
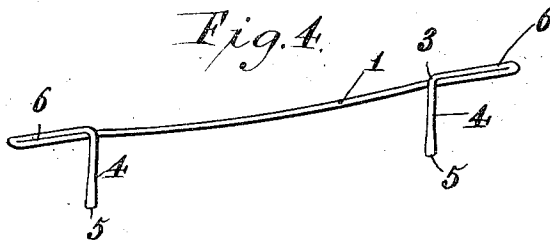


Fig. 4.



Witnesses: <

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UNITED STATES PATENT OFFICE.

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ROOFING-NAIL.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDMUND J. KENNEY, a citizen of the United States, residing at Towson, in the county of Baltimore and State of Maryland, have invented new and useful Improvements in Roofing-Nails, of which the following is a specification.

This invention relates to roofing nails of that class which are used for securing flexible and fibrous roofing, such as roofing felt, tar paper and the like. In order to hold roofing of this class securely in position and to prevent it from tearing, it has been customary to employ roofing nails having washers of sheet metal or similar material adapted to engage the roofing material to provide a large bearing surface whereby the roofing material will be held securely and with little danger of becoming detached or torn by the wind or by other causes.

The present invention has for its object to provide a roofing nail whereby the separate washer may be dispensed with and which shall provide an extended bearing surface to engage the roofing material to prevent the latter from becoming detached.

A further object of the invention is to provide a roofing nail in the form of a clip or staple having two engaging pins, an intermediate extended bridge piece and engaging heads.

A still further object of this invention is to provide a roofing nail of the character described having a curved resilient bridge piece which, when the nail is applied to the roofing material, will press downward upon the latter between the points or prongs of the nail, thereby retaining the roofing material securely in position.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claims may be resorted to when desired.

In the drawing, Figure 1 is a plan view

showing a portion of a roof to which roofing material secured by a simple and preferred form of the improved roofing nails has been applied. Fig. 2 is a side elevation of one of the nails. Fig. 3 is a top plan view of one of the nails. Fig. 4 is a perspective view showing a slightly modified form of the nail.

Corresponding parts in the several figures are denoted by like characters of reference.

The improved nail may be simply and inexpensively made of a piece of steel wire, and it includes a bridge piece 1 at the ends of which are formed horizontally disposed eyes 2, 2, said eyes being formed by bending the wire or material of which the nail is formed, the ends being caused to cross or overlap the bridge piece, as shown at 3, after which the terminals are bent downward at right angles to the bridge piece and the eyes so as to form prongs 4 which may be provided with sharp driving edges, as shown at 5. The bridge piece 1 which with respect to the prongs 4 is of relatively great length is curved or disposed downwardly intermediate the eyes or heads 2, 2, as clearly shown in Fig. 2.

Instead of forming the heads 2 in the shape of eyes, as shown in Figs. 1 to 3, inclusive, the said heads may be formed by merely doubling the wire upon itself, as shown in Fig. 4, so as to form a head extension 6. In other respects the construction is as previously described.

When applying roofing material, shown at 7 in Fig. 1, each strip of said roofing material is secured by the improved nails adjacent to its lower edge, the said nails being suitably spaced, as shown, so that the shedding of water will not be obstructed thereby. As the two prongs of each nail are driven, the intermediate resilient arch or bridge piece will be straightened upon the roofing material, and the medial portion of such bridge piece will thus exert a downward tension or pressure which is found very effective in retaining the roofing material and preventing it from bulging between the prongs of the nail. It will also be seen that each nail is provided with heads that extend beyond the ends of the bridge piece, said heads being of greater area than a single thickness of the wire of which the nail is composed, said heads being likewise

effective in holding the roofing material securely in place.

It is obvious that other forms of heads may be effectively used in connection with this device than those herein specifically shown, and no limitation in this respect is intended.

Having thus described the invention, what is claimed as new, is:—

- 10 1. A roofing nail formed of a single piece of wire and having terminal downturned prongs, an intermediate bridge piece of relatively great length, said bridge piece being curved downward in the plane of the
15 prongs, and laterally extending heads adjacent to the upper ends of the prongs, said heads projecting beyond the ends of the bridge piece, and the ends of the wire hav-

ing the downturned prongs being disposed across the bridge piece.

- 20 2. A roofing nail formed of a single piece of wire and comprising a bridge piece, downturned prongs at the ends of said bridge piece, said bridge piece being of relatively great length and disposed in the
25 plane of the prongs, and heads formed by portions of the wire extending laterally adjacent to the upper ends of the prongs beyond the ends of the bridge piece and across the latter.

In testimony whereof I affix my signature in presence of two witnesses.

EDMUND J. KENNEY.

Witnesses:

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