Dec. 1, 1925. 1,564,032

J. F. STUCKERT

ROOFING CONSTRUCTION

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Fig. 1.

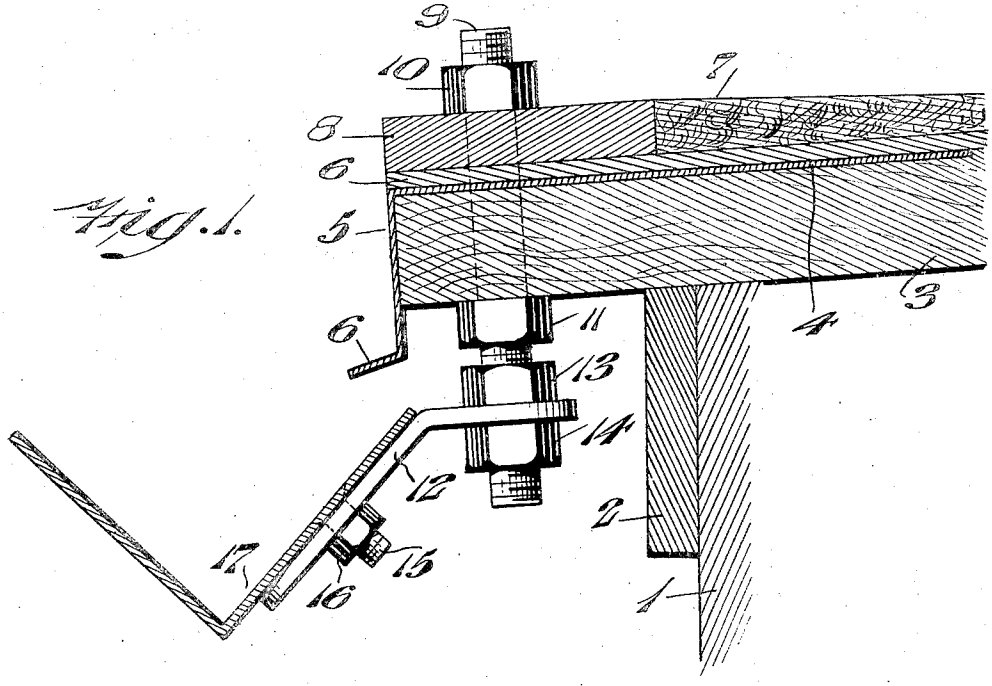
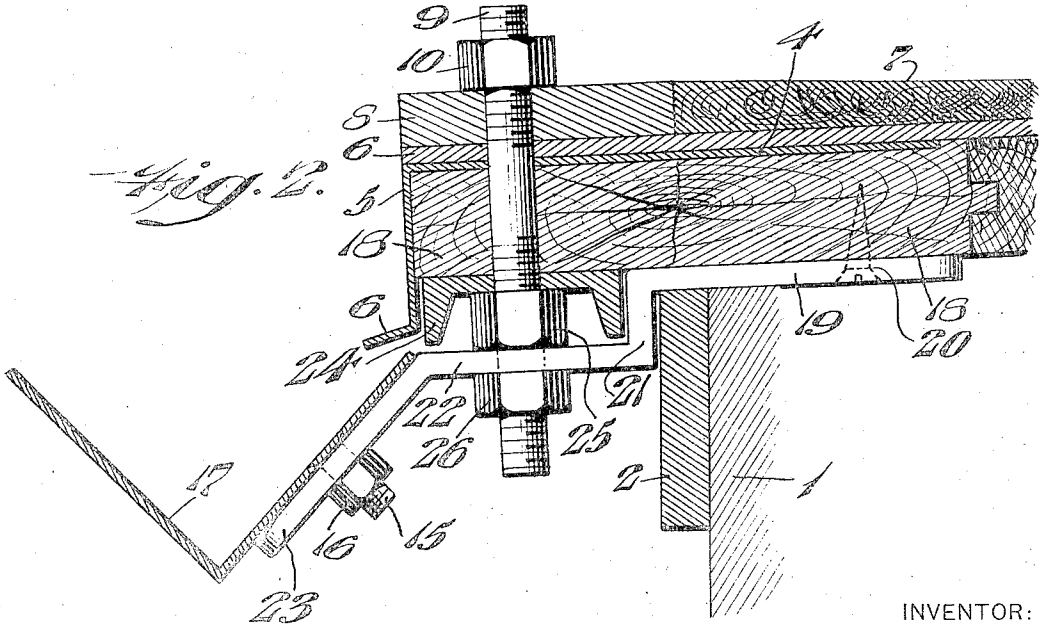


Fig. 2.



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Fig. 3.

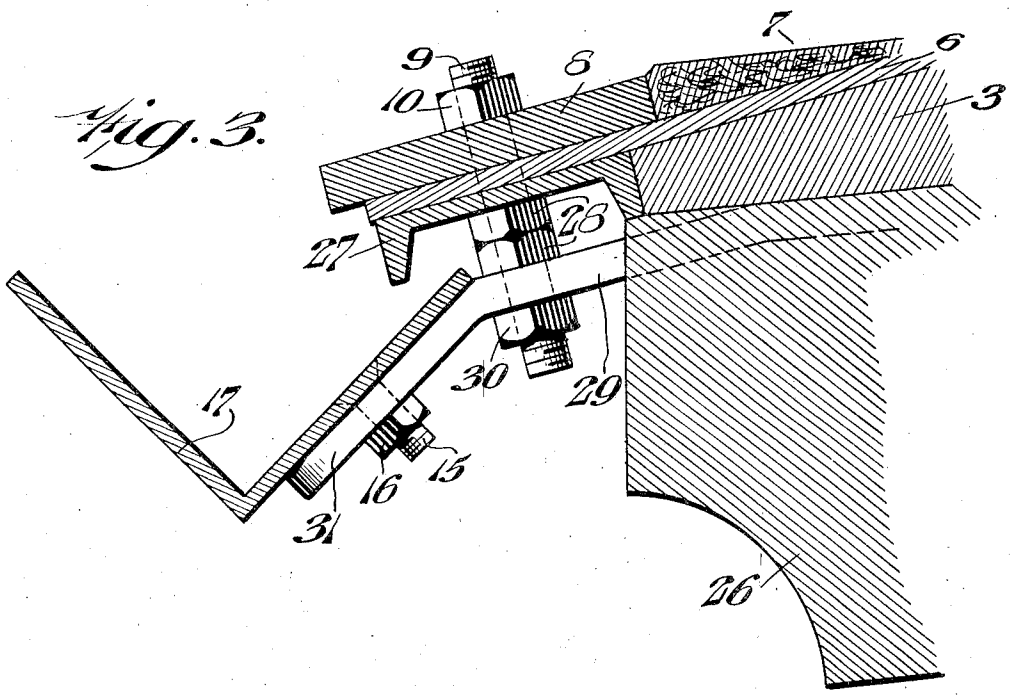
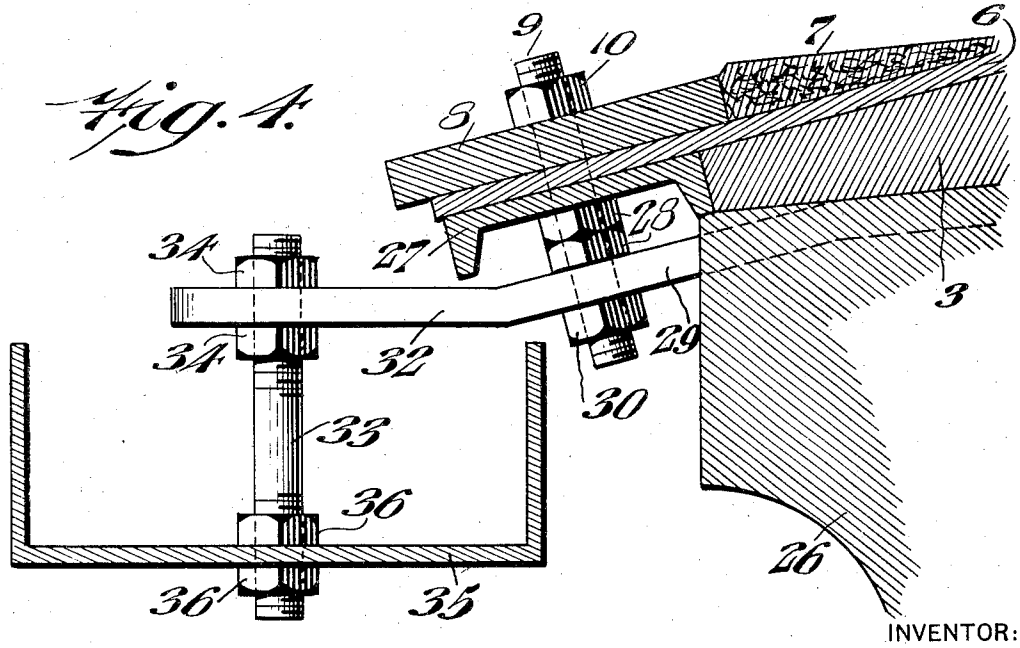


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN FRANKLIN STUCKERT, OF PHILADELPHIA, PENNSYLVANIA.

ROOFING CONSTRUCTION.

Application filed July 22, 1925. Serial No. 45,303.

To all whom it may concern:

Be it known that I, JOHN F. STUCKERT, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Roofing Construction, of which the following is a specification.

This invention, generally stated, relates to roofing constructions and has more especial relation to roofings on which roofing pitch is applied thereto and in which gutter hangers are supported by the roofing boards.

The principal object of the present invention is to provide a simple, efficient and comparatively inexpensive roofing structure of the character stated in which the roofing pitch is guarded against sliding forward; in which the roofing felt is securely clamped with respect to the roofing boards; and in which the gutter, including its support, is detachably clamped with respect to the covering strip, roofing felt, and roofing boards.

Other and further objects of the present invention relate to the provision of general details of construction and arrangement and combination of parts for attaining the results sought by the leading object.

Other and further objects not at this time appearing will be hereinafter more fully set forth.

The invention consists of the novel construction hereinafter described and finally claimed.

The nature, characteristic features and scope of the invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which:

Fig. 1, is a fragmentary view in section illustrating a roofing structure embodying the invention.

Fig. 2, is a similar view illustrating a modified form of arrangement of roofing boards.

Fig. 3, is a similar view illustrating a further modified form of the present invention; and

Fig. 4, is a similar view illustrating still another modified form of the invention.

For the purpose of illustrating my invention I have shown in the accompanying drawings several forms thereof which are at present preferred by me, since the same have been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of the instrumentalities as herein shown and described.

Referring now to the drawings in detail and with especial relation to Fig. 1, the reference numeral 2 designates what is commonly known in the building trade as the barge. Supported by wall 1 are roofing boards designated 3 which as shown in Fig. 1 are longitudinally disposed. Fitted to the top of the roofing boards 3 is a metallic member 4 the extreme outer end of which is bent at right angles as at 5 to entirely cover the exposed end of the roofing boards, and thereafter is bent outwardly to provide a dripping piece 6. Superimposed upon the metallic member 4 is a slab of roofing felt designated 6. Upon the roofing felt is laid roofing pitch designated 7. The roofing pitch terminates short of the extreme outer ends of the roofing boards and roofing felt and a metallic, asbestos, or other covering strip designated 8 is arranged laterally with respect to the roofing boards 3 so that one edge thereof abuts against the outer edge of the roofing pitch and the opposite end is arranged flush with the edge of the roofing felt and dripping piece. The parts 8, 6, 4, and 3 are securely clamped with respect to each other. For this purpose a bolt 9 is employed which penetrates the above described parts and is provided with a nut 10 adapted to be screwed home against the covering strip, and a nut 11 is employed for abutting against the underside of the roofing boards 3. Carried by bolt 9 is a gutter support 12 which is of angular construction and nuts 13 and 14 are employed for clamping said gutter support with respect to bolt 9. The inclined portion of the gutter support has attached thereto by means of a screw 15

and nut 16 a gutter 17, the dripping piece 6 being adapted to shed water to said gutter.

Referring now to Fig. 2, the construction is much the same as that above described except that the roofing boards 18 are arranged laterally or crosswise. By this construction the outermost roofing board overhangs the wall 1 and barge 2 so that strengthening or reinforcing means are required to prevent the said end board from breaking off. In order to guard against this, I provide a gutter support provided at its inner end with a horizontal extension 19 which abuts against the underside of floor board 18 and is screwed thereto as at 20. This extension 19 is then extended downwardly at right angles as at 21, thence outwardly in horizontal position as at 22, and thereafter at an inclination as at 23. Between the horizontal extension 22 and the outermost portion of the roofing boards is provided a channel member 24 and the bolt 9, described in Fig. 1, penetrates said channel member and said horizontal extension 22, and a nut 25 is present for clamping the channel member against the underside of the roofing boards, and another nut 26 is present for clamping the horizontal extension 22 in abutting position with nut 25.

Referring now to Fig. 3, instead of the wall 1, rafters 26 are provided upon which are supported the roofing boards 3. No dripping piece is disclosed and the roofing felt 6 is applied directly to the roofing boards. The roofing pitch and covering strip are the same and the covering strip is clamped directly to the felt 6, a channel member 27 being present which is clamped directly against the underside of the roofing felt 6, nuts 28 being present to facilitate this attachment. The gutter support is designated 29 and is secured between the nuts 28 and nut 30 and terminates in an angular extension 31 to which the gutter is supported by means of screw 15 and nut 16.

In Fig. 4 the construction is much the same as that shown in Fig. 3 with this exception: The gutter support is provided with a horizontal extension 32 carried at the outer end of which is a vertically disposed bolt 33 secured to support 32 by means of nuts 34. The lower end of bolt 33 carries a substantially U-shaped gutter 35 secured to bolt 33 by means of nuts 36.

By the above described arrangement, construction and combination of parts I am enabled to provide a roofing structure which is of simple, efficient and comparatively inexpensive construction in which not only is the pitchy roof material prevented from dislodgement by the covering strip but the gutter and its support are carried by the same bolt which clamps the covering strip with respect to the roofing felt and roofing boards and is detachable with reference thereto. Not only may the gutter be efficiently and securely sustained when the roofing boards are arranged at right angles to the gutter, but more efficiently supported when the gutter is arranged in parallelism with the covering strip.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A roofing structure comprising supporting means, roofing boards thereon, roofing felt upon said boards, roofing pitch upon said felt, a covering strip arranged in parallelism with the outer edges of said roofing boards and upon said felt and abutting against the outermost edge of said roofing pitch, means including bolts and nuts for clamping said covering strip down upon said felt, and a gutter for said structure.

2. A roofing structure comprising a supporting means, roofing boards thereon, roofing felt upon said boards, a dripping piece intermediate said roofing boards and roofing felt and extended over the outermost edge of said roofing boards, roofing pitch upon said felt, a covering strip arranged in parallelism with the outer edges of said roofing boards and upon said felt and abutting against the outermost edge of said roofing pitch, means including bolts and nuts for clamping said covering strip down upon said felt, and a gutter for said structure.

3. A roofing structure comprising supporting means, roofing boards thereon, roofing felt upon said boards, roofing pitch upon said felt, a covering strip arranged in parallelism with the outer edges of said roofing boards and upon said felt and abutting against the outermost edge of said roofing pitch, means including bolts and nuts and nut locks for clamping said covering strip down upon said felt, and a gutter for said structure.

4. A roofing structure comprising supporting means, roofing boards thereon, roofing felt upon said boards, roofing pitch upon said felt, a covering strip arranged in parallelism with the outer edges of said roofing boards and upon said felt and abutting against the outermost edge of said roofing pitch, means including bolts and nuts for clamping said covering strip down upon said felt, a gutter for said structure, and a channel bar paralleling said covering strip and supported by said bolt.

5. A roofing structure comprising supporting means, roofing boards thereon, said boards being laterally arranged, a channel bar arranged in parallelism with said boards, roofing felt upon said boards, roofing pitch upon said felt, a covering strip arranged in parallelism with the outer edges of said roofing boards and upon said felt and abutting against the outermost edge of said roofing pitch, means including bolts and nuts

for clamping said covering strip down upon said felt and channel bar, and a gutter for said structure.

6. A roofing structure comprising supporting means, roofing boards, thereon, roofing felt upon said boards, roofing pitch upon said felt, a covering strip arranged in parallelism with the outer edges of said roofing boards and upon said felt and abutting against the outermost edge of said roofing pitch, and means including bolts and nuts for clamping said covering strip down upon said felt.

In testimony whereof, I have hereunto signed my name.

JOHN FRANKLIN STUCKERT.