E. LABOUDIGUE.

ROOF PLATE.

APPLICATION FILED MAR. 27, 1915.

1,145,598. Patented July 6, 1915.

Fig. 3

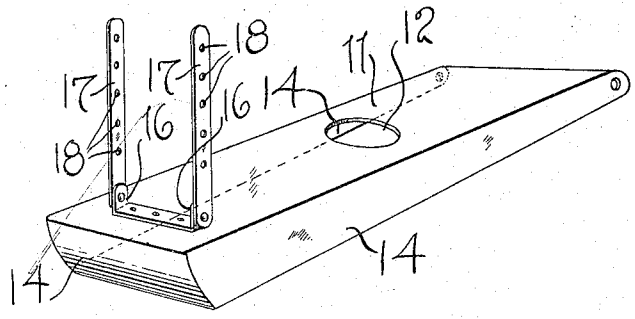


Fig. 1

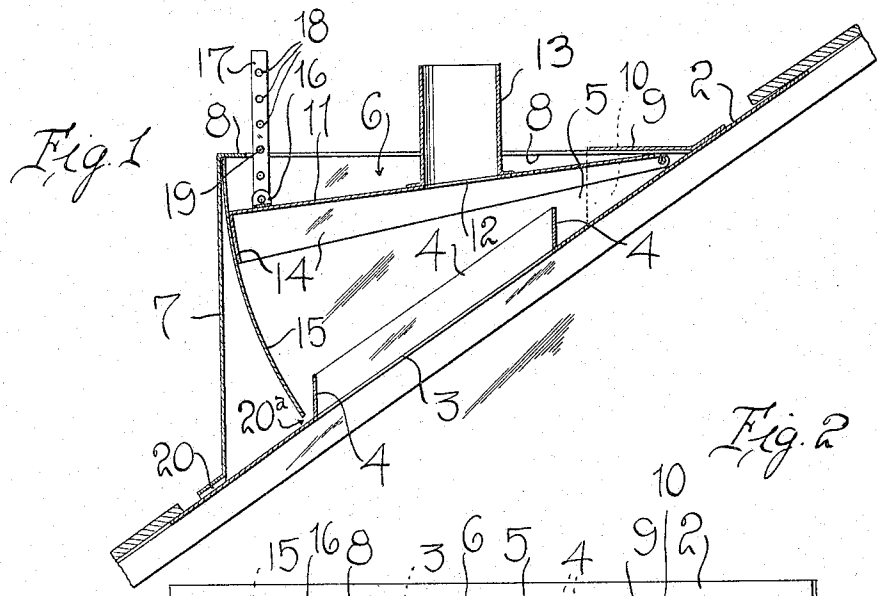
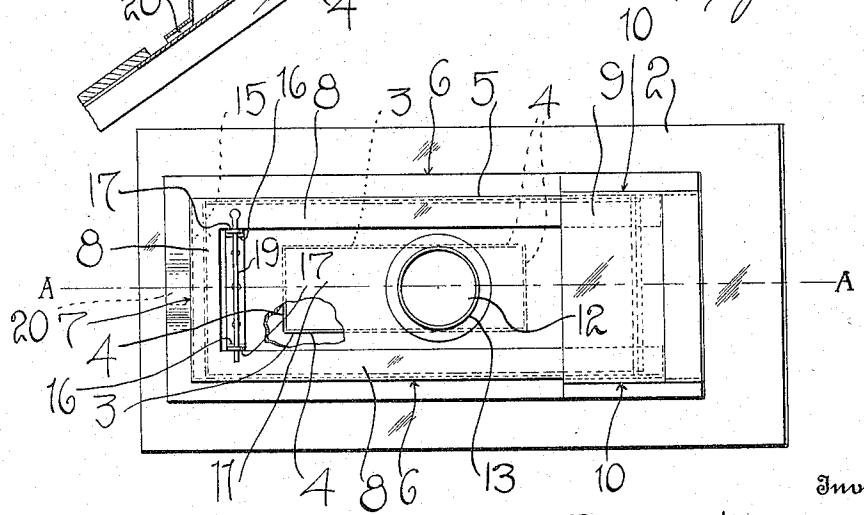


Fig. 2



Inventor

EDWARD LABOUDIGUE

Witnesses

Robert M. Sutgleed.

A. L. Hind.

By Watson E. Coleman

Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EDWARD LABOUDIGUE, OF FRENCH GULCH, CALIFORNIA.

ROOF-PLATE.

1,145,598. Specification of Letters Patent. Patented July 6, 1915.

Application filed March 27, 1915. Serial No. 17,491.

To all whom it may concern:

Be it known that I, EDWARD LABOUDIGUE, a citizen of the United States, residing at French Gulch, in the county of Shasta and State of California, have invented certain new and useful Improvements in Roof-Plates, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to roof plates or flashings, and particularly to roof plates so formed as to permit the passage of a stove pipe or ventilator pipe and prevent the inlet of rain around the opening of the pipe.

The primary object of my invention is to provide a roof plate or flashing so constructed that it may be applied to roofs having different pitches and yet maintain the stove pipe or ventilator pipe in a vertical position.

A further object of the invention is to provide, in connection with a roof plate or flashing, an adjustable pipe support which may be adjusted at any desired angle so that a stove pipe or ventilator pipe may be supported in a vertical position no matter what the pitch of the roof may be.

Still another object of the invention is to provide means for preventing any water which may pass around the adjustable plate supporting the pipe thimble from dropping through into the space beneath the roof plate, and in this connection to provide means for allowing this water to run off down the roof upon the exterior of the roof plate.

Other objects will appear in the course of the following description.

My invention is illustrated in the accompanying drawings, wherein:

Figure 1 is a longitudinal section on the line A—A of Fig. 2; Fig. 2 is a plan view of the construction shown in Fig. 1; Fig. 3 is a detail perspective view of the thimble-carrying plate and its adjusting support, the thimble being removed.

Referring to these figures, 2 designates a roof plate or flashing, which, as ordinarily made, is of thin sheet metal, preferably tin. This flashing is formed at a suitable point with an opening 3, this opening being rectangular in form and preferably oblong. This opening 3 is bounded by an upwardly directed wall 4.

Attached to or formed with the plate 2 in any suitable manner, is the triangular casing, designated 5, this casing having the side walls 6 and the end wall 7. The side walls and end wall have at their upper ends the inwardly turned flanges 8. The side walls extend longitudinally of the roof plate 2 and are connected thereto in any suitable manner, as by soldering. Extending over the upper end of the housing 5 is a hood 9 having end walls 10 which extend down outside of the walls 6 and are soldered or otherwise attached to the plate 2. This hood 9 extends over the open upper end of the housing, as shown clearly in Figs. 1 and 2.

Pivotally mounted within the housing and with one end disposed beneath the hood 9 is a plate 11 which is formed with a central aperture 12 from which extends the thimble 13. This plate, at its free end and at its sides, is formed with a marginal flange 14, and the outer end of the housing 5 is provided with a septum 15 disposed in the arc of a circle whose center is the pivotal point of the plate 11, this plate 15 being attached to the plate 10 and the housing in any suitable manner, but being spaced from the plate 2 to provide a drainage opening 20^a. The end flange 14 bears against this plate and the side flanges 14 bear against the side walls 6 in close contact therewith.

For the purpose of holding the plate 11 in adjusted relation to the plate 2 and housing, I may provide any suitable means, but, as illustrated, I attach to the upper face of the plate 11 the ears 16 and pivot upon these ears the upwardly extending adjusting strips 17 which are perforated at a number of points, as at 18. A cross bar 19 extends through the perforations of these strips and engages over the upper end of the housing.

It is to be particularly noted that the front wall 7 of the housing, at its lower end between the wall 6, is spaced from the roof plate 2, as at 20, to provide for the outlet of any water which may find its way through the spaces between the plate 11 and the side and end wall of the housing and thus be disposed upon the roof plate 2. The flange 4 will prevent this water from entering the opening 3, and this water will therefore flow around the flange 4 and ultimately be discharged through the opening 20 onto the roof.

The manner in which my invention is applied will be obvious to all those who are skilled in the art. It is usual at the present

time for roofers to have roof plates made at the tin shop to suit the pitch of the roof to which the roof plate is to be applied so that the stove pipe shall extend vertically through the thimble mounted upon the roof plate. Often times these roof plates do not fit the pitch of the roof and this necessitates the making of a new roof plate and consequent delay in getting the roof upon the house. The object of my invention, as previously stated, is to provide a roof plate which is adapted to be used with roofs of any pitch and wherein the thimble supporting the stove pipe will be disposed in a vertical position or in any desired angular relation to the roof plate or the pitch of the roof without regard to the pitch of the roof. Thus any roof plate constructed in accordance with my invention will do with any pitched roof.

While I have illustrated what I have deemed to be a very efficient form of my invention, it will be obvious that minor changes in the details of construction and arrangement of parts may be made without departing from the spirit of my invention.

Having thus described my invention, what I claim is:

1. A roof plate having an opening, a housing mounted above the opening and attached to the plate, the lowest portion of the housing being formed with a drainage opening, a thimble carrying plate pivoted within the housing and having downwardly extending flanges contacting with the walls of the housing, a thimble mounted upon said plate, and means for holding the plate in any angularly adjustable position with relation to the roof plate.

2. A roof plate having a central elongated opening formed with an upstanding wall, a housing triangular in form mounted upon the roof plate and engaging said walls, and an end wall having a drainage opening between it and the roof plate, a hood mounted upon the roof plate and extending over the upper end of the housing, a thimble-carrying plate pivoted at one end within said hood, a thimble mounted thereon, said thimble-carrying plate having downwardly extending flanges on its sides and free end, and means for supporting the thimble-carrying plate in any desired angular relation to the roof plate.

3. A roof plate having an elongated opening confined by upwardly extending walls, a housing mounted upon said roof plate and comprising triangular side walls and an end wall, the lower end of the end wall being spaced from the roof plate to provide a drainage opening, a thimble-carrying plate pivotally mounted on the upper end of the housing, a thimble carried thereby, means for angularly adjusting the thimble-carrying plate with relation to the roof plate, and a curved septum disposed within the housing at the free end of the thimble-carrying plate and with which said thimble-carrying plate contacts, the lower end of said septum being spaced from the roof plate to permit the drainage of water therethrough.

4. A roof plate having a central opening, a housing mounted thereon, a thimble-carrying plate pivotally mounted within the housing for movement into angular or parallel relation to the roof plate, a thimble carried thereby, upwardly extending adjusting members pivotally mounted upon the free end of the thimble-carrying plate, said members being perforated, and a cross bar passing through the perforations of said members and engaging the upper end of the housing to thereby support the thimble-carrying plate in any desired angular relation.

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

EDWARD LABOUDIGUE.

Witnesses:
JOSIAH HOSKINS,
GUS FRANCK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."