(No Model.)

R. J. CLAFLIN.

ROOF.

No. 384,961. Patented June 26, 1888.

Fig. 1.

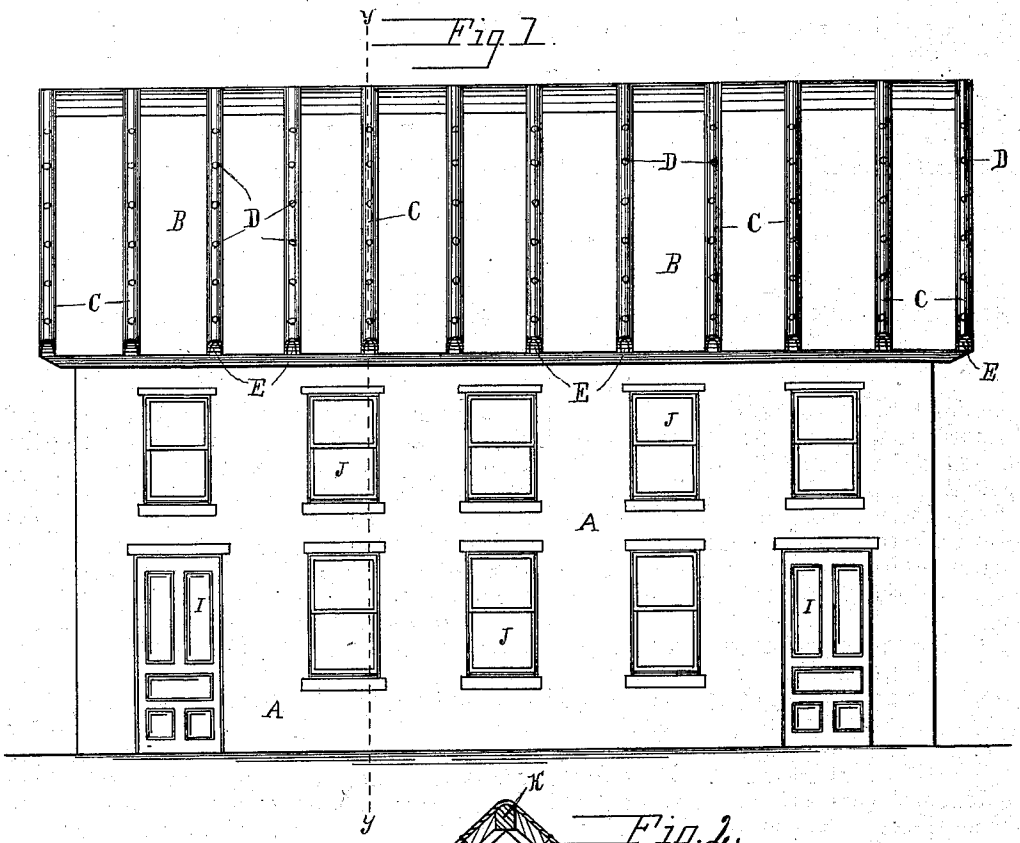
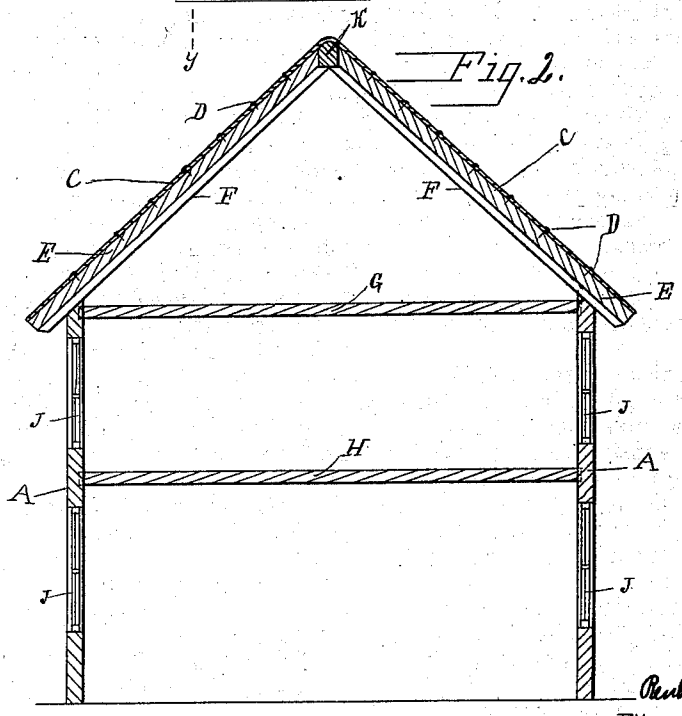


Fig. 2.



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UNITED STATES PATENT OFFICE.

REUBEN JAS. CLAFLIN, OF LIDGERWOOD, DAKOTA TERRITORY.

ROOF.

SPECIFICATION forming part of Letters Patent No. 384,961, dated June 26, 1888.

Application filed March 24, 1888. Serial No. 268,427. (No model.)

To all whom it may concern:

Be it known that I, REUBEN JAMES CLAFLIN, a citizen of the United States of America, residing at Lidgerwood, in the county of Richland and Territory of Dakota, have invented certain new and useful Improvements in Roofs, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to the method of constructing buildings; and its objects are, first, to support the roof-covering of such buildings exteriorly; second, to obviate the accumulation of inflammable and uncleanly substances inherent to existing structures; third, to prevent the dangerous collection of snow and ice in unbroken sheets or layers peculiar to the present construction; and, fourth, to prolong the life of the building by permitting a facile renewal of the ridge-pole and rafters without disturbing the roof-covering of the buildings constructed according to my principles. I attain these purposes by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of a building constructed according to my invention, and Fig. 2 is a central transverse section thereof.

It has been a cardinal characteristic of buildings immemorially that the rafters and ridge-pole should be below, and thus support the roof-covering. This construction necessarily involves the production of inaccessible reservoirs for the accumulation of dust, dirt, cobwebs, &c., which in the event of a conflagration materially assist the ascending flames in their destructive action.

My invention contemplates a principle exactly the reverse of that just described; and it consists in disposing the ridge-pole and rafters over the roof-covering and securing the said roof-covering thereto from the bottom.

The projecting rafters and pole are provided with a metallic covering, which, absorbing the ascending heat always contained in buildings, maintains the roof in an equable temperature averse to the accumulation of snow or ice, and in any event preventing the unbroken layers or sheets thereof incident to the present mode of construction.

A represents a suitable building having joists G H, a door, I, and windows J. The ridge-pole K serves as a dividing-line both for the rafters E and the roofing material B, whose inner surface is designated F in Fig. 2. After the ridge-pole has been secured in place the rafters E are suitably connected thereto, provided with a metallic covering, C, held thereon by tacks D. The roofing material B is then nailed to the rafters from the inside, instead of from the outside, as now practiced, whereby the rafters are superposed over the roof, thus accomplishing all the objects and purposes specified in the beginning of the description.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

In the construction of buildings, the method herein described, which consists in raising the walls to the desired altitude, then superposing upon them a suitable ridge-pole and joists having preferably a metallic covering, and finally attaching the roof-covering under the said ridge-pole and joists, for the purpose set forth.

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

REUBEN JAS. CLAFLIN.

Witnesses:
GEORGE A. FRASER,
JOHN B. WAGNER.