

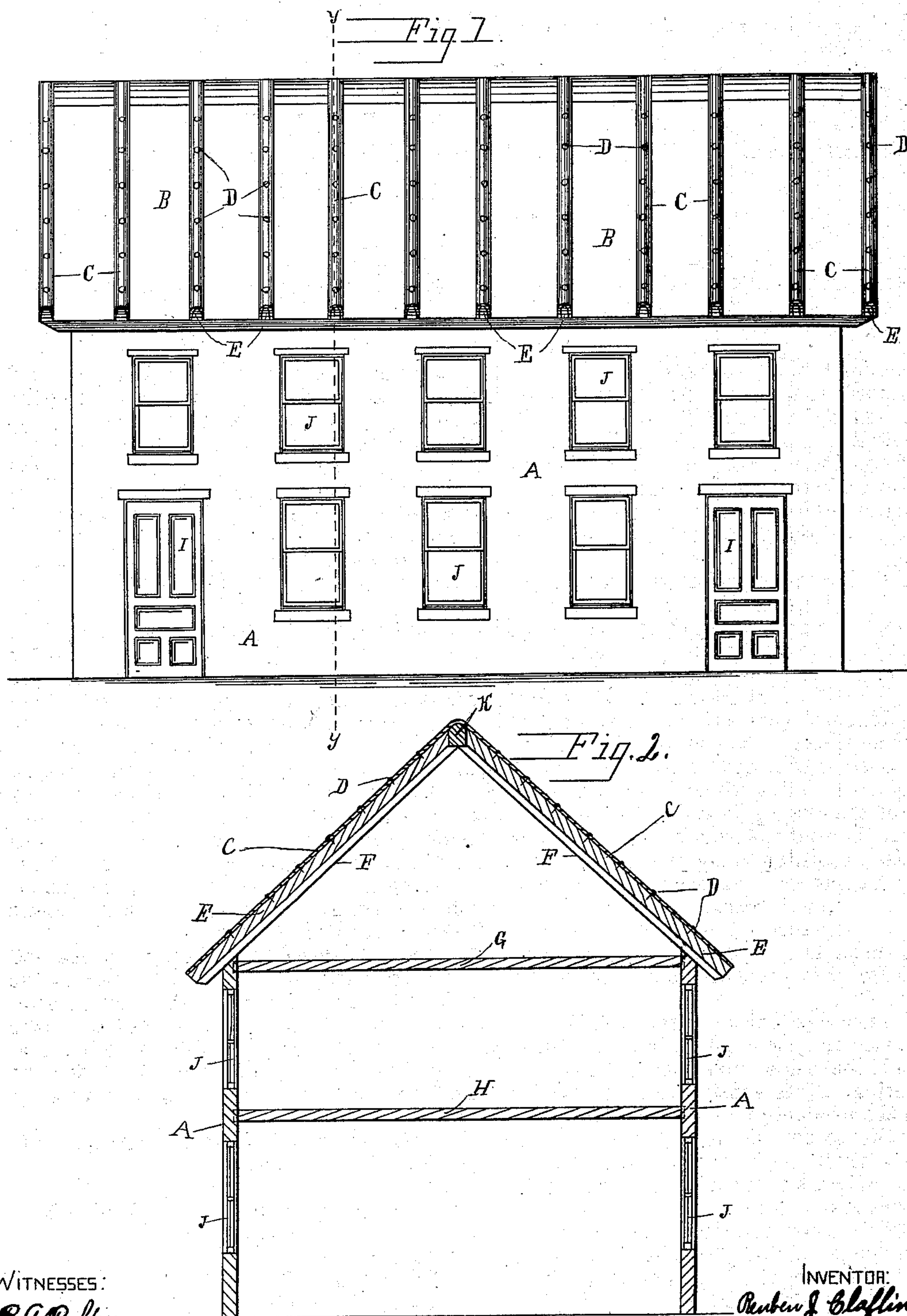
(No Model.)

R. J. CLAFLIN.

ROOF.

No. 384,961.

Patented June 26, 1888.



WITNESSES:

*R. A. Balleson.*  
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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 Rich-  
land and Territory of Dakota, have invented  
certain new and useful Improvements in Roofs,  
of which the following is a specification, refer-  
ence being had therein to the accompanying  
drawings.

My invention relates to the method of con-  
structing buildings; and its objects are, first,  
to support the roof-covering of such buildings  
exteriorly; second, to obviate the accumula-  
tion of inflammable and uncleanly substances  
inherent to existing structures; third, to pre-  
vent 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 at-  
tain 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 inven-  
tion, and Fig. 2 is a central transverse section  
thereof.

It has been a cardinal characteristic of build-  
ings immemorially that the rafters and ridge-  
pole should be below, and thus support the  
roof-covering. This construction necessarily  
involves the production of inaccessible reser-  
voirs for the accumulation of dust, dirt, cob-  
webs, &c., which in the event of a conflagra-  
tion materially assist the ascending flames in  
their destructive action.

My invention contemplates a principle ex-  
actly 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, pro-  
vided 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.