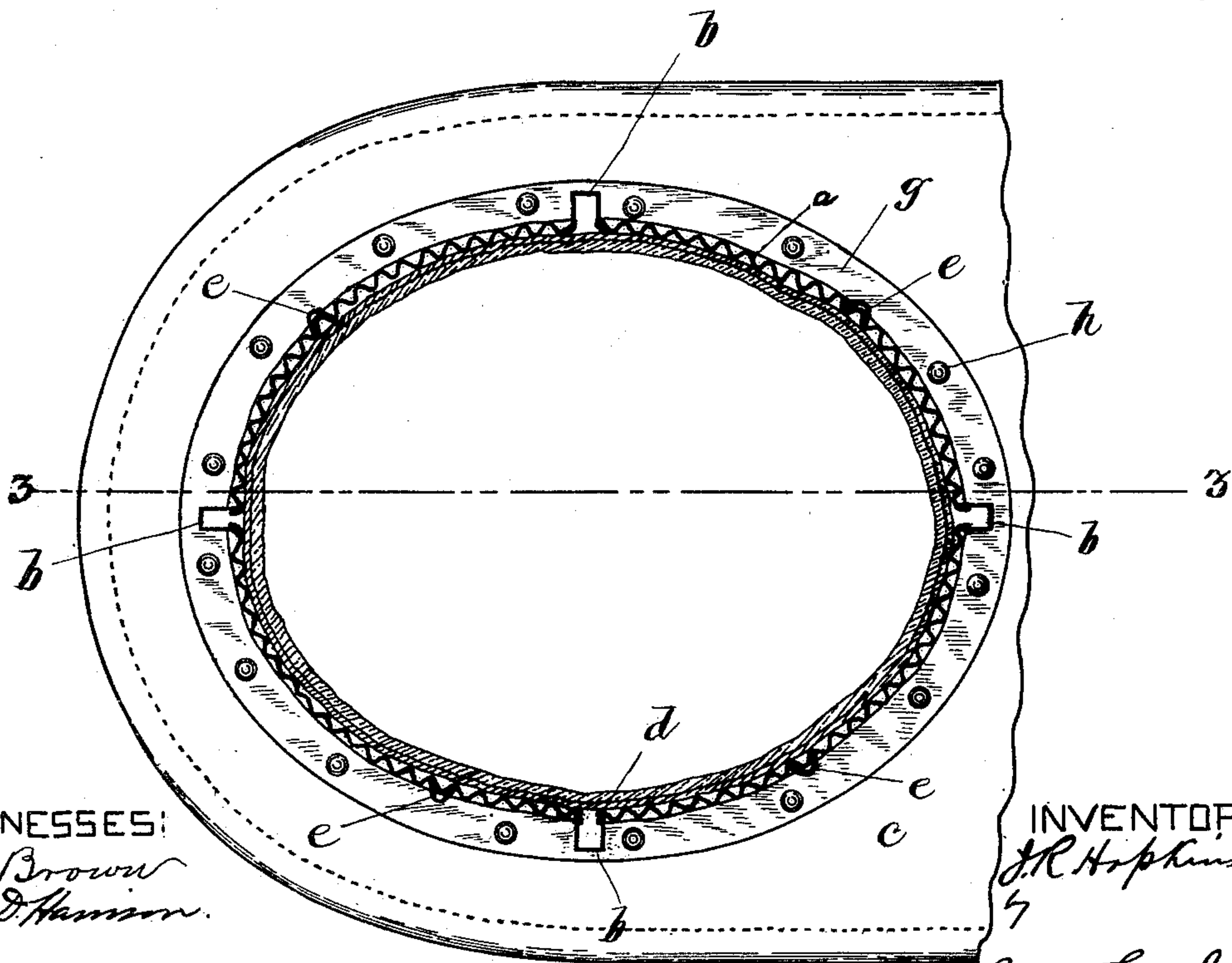
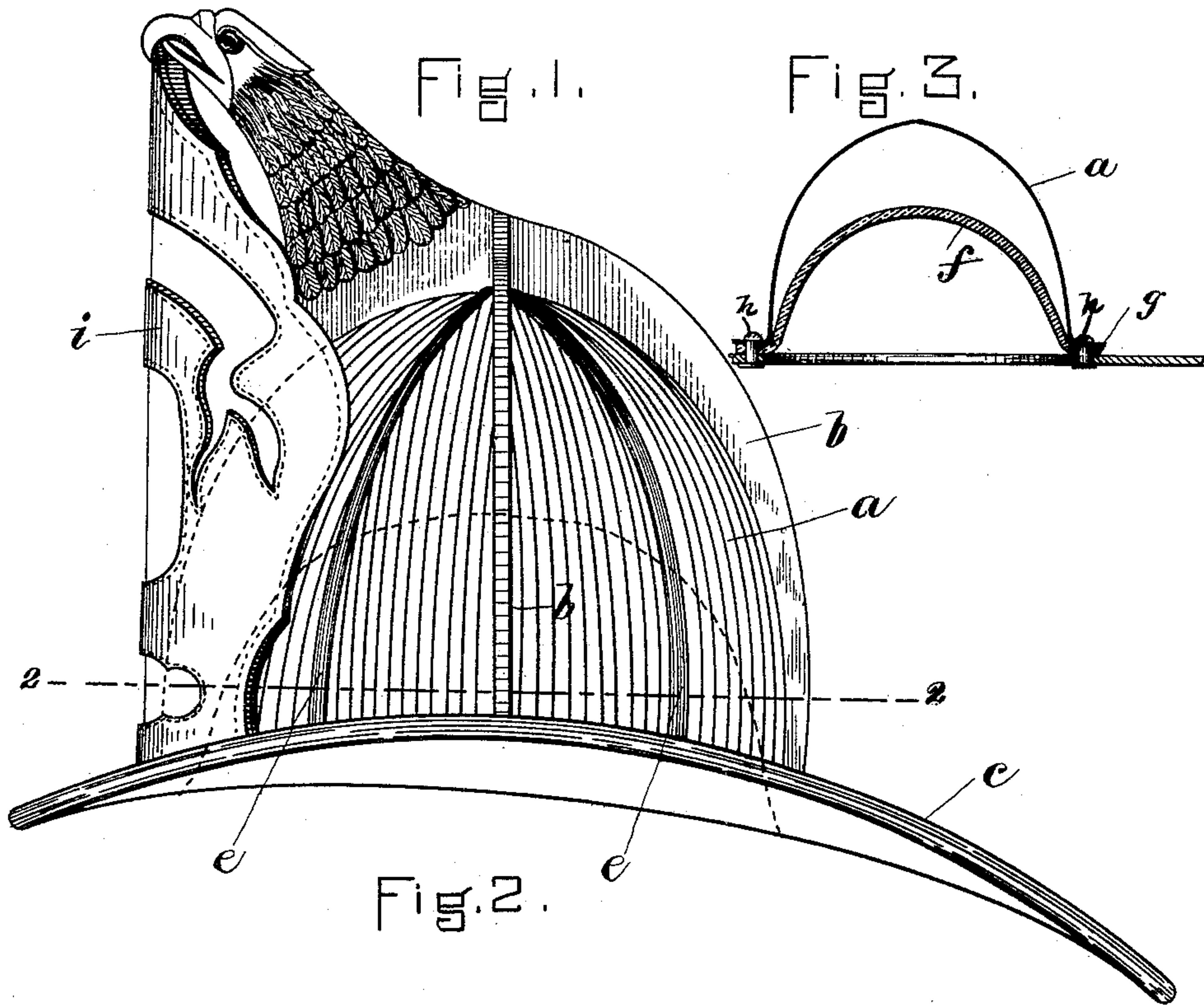


(No Model.)

J. R. HOPKINS.  
FIREMAN'S HAT.

No. 407,209.

Patented July 16, 1889.



WITNESSES:  
H. Brown  
A. D. Harrison.

INVENTOR:  
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# UNITED STATES PATENT OFFICE.

JAMES R. HOPKINS, OF SOMERVILLE, MASSACHUSETTS.

## FIREMAN'S HAT.

SPECIFICATION forming part of Letters Patent No. 407,209, dated July 16, 1889.

Application filed January 29, 1889. Serial No. 297,965. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES R. HOPKINS, of Somerville, in the county of Middlesex and State of Massachusetts, have invented certain  
5 new and useful Improvements in Firemen's Hats, of which the following is a specification.

It is the object of my invention to provide such improvements in firemen's hats as will materially increase their strength and durability without adding to their weight.

The invention comprises a hat having an outer metallic crown, an inner felt crown, and a hood or brim, substantially as hereinafter fully set forth.

15 Of the drawings hereto annexed and forming a part of this specification, Figure 1 is a side view of a fireman's hat embodying my improvements. Fig. 2 is a sectional plan view, part of the hood being represented as  
20 broken off, the section being taken on the line 2 2 of Fig. 1. Fig. 3 is a sectional diagram taken on the line 3 3 of Fig. 2.

The same letters of reference designate the same parts in all of the views.

25 In the drawings, *a* designates the crown of my improved fireman's hat, which part I make of corrugated sheet metal, preferably sheet-copper, with hollow ribs *b* of the same, or it may be of different material—such as papier-  
30 maché—extending at intervals from the hood or brim *c* over the crown *a*. Usually two of these ribs *b*, one extending over the crown from front to rear and the other over the crown from side to side, will be sufficient.

35 The crown *a* may be constructed from sections or properly-shaped strips of corrugated sheet metal, the edges of which sections may be secured to the ribs *b*, as at *d*, or overlap each other, and in this position be soldered  
40 together, as at *e*, though any other manner of forming the crown will answer the purpose so long as it is made of corrugated sheet metal.

*f* designates an inner crown composed of  
45 felt or other soft pliable material, which inner crown is made to fit and rest upon the head of the wearer and to have its edge ex-

tend between the flanged edge *g* of the crown *a* and the inner edge of the hood or brim *c*, and be secured between said edges by means  
50 of rivets *h* or other suitable appliances.

The hat may be provided in front with the usual ornamental shield *i*, for containing the name and number of the company to which the wearer belongs, and may also be provided  
55 with any other ornamental figure.

By constructing the crown *a* of corrugated sheet metal I am enabled to make this portion of the hat very strong and rigid, and at the same time of comparatively light weight,  
60 and by providing the hat with the inner felt crown *f*, adapted to rest upon the top of the head of the wearer, I obtain a construction which secures comfort in use and lessens the liability of injury to the wearer in the event  
65 of a heavy body striking upon the crown *a*.

It is manifest that changes may be made in the form and arrangement of parts comprising my invention without departing from the nature or spirit thereof.  
70

Having thus described my invention, I declare that what I claim is—

1. A fireman's hat having an outer metallic crown, a hood or brim, and an inner felt crown having its edge secured between said  
75 outer metallic crown and hood or brim, and between which and said outer crown a space is formed, substantially as set forth.

2. As a new article of manufacture, a fireman's hat having an outer crown composed  
80 of corrugated sheet metal and intersecting metal ribs, and having a flange *g*, the hood or brim *c*, and the inner crown having its edge secured between the flange *g* and hood or brim *c*, as set forth, a space being formed between  
85 said crowns.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 22d day of January, A. D. 1889.

JAMES R. HOPKINS.

Witnesses:

ARTHUR W. CROSSLEY,  
A. D. HARRISON.