

G. C. GRAETER.
STOVEPIPE HOLDER AND VENTILATOR.
APPLICATION FILED JUNE 4, 1920.

1,355,223.

Patented Oct. 12, 1920.

Fig. I.

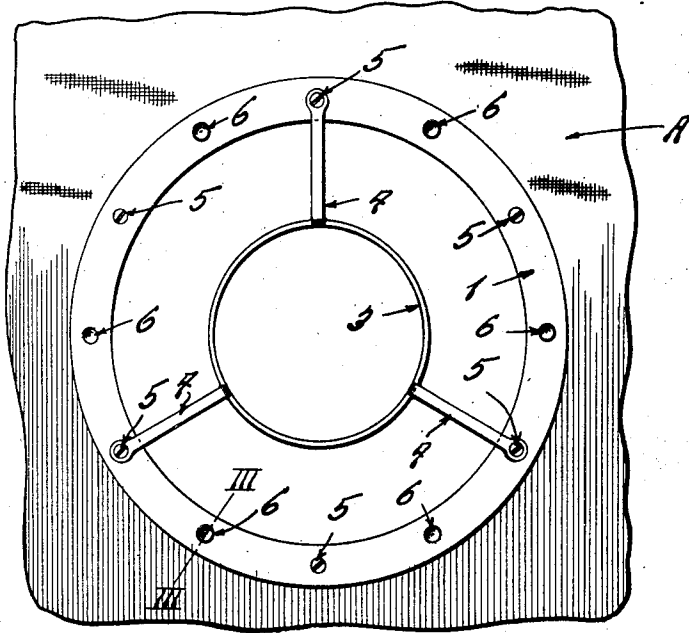


Fig. V.

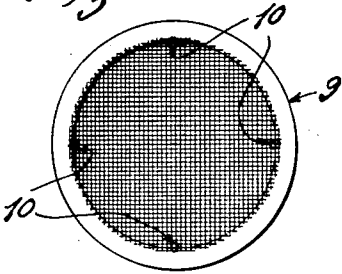


Fig. II.

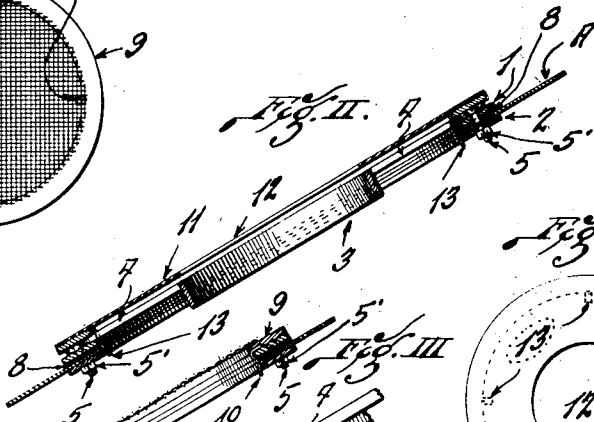


Fig. III.

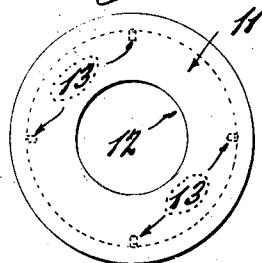
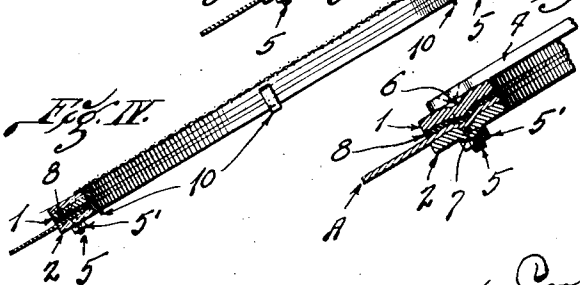


Fig. IV.



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UNITED STATES PATENT OFFICE.

GEORGE C. GRAETER, OF ST. LOUIS, MISSOURI.

STOVEPIPE HOLDER AND VENTILATOR.

1,355,223.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE C. GRAETER, a citizen of the United States of America, a resident of the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Stovepipe Holders and Ventilators, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to improvements in stove pipe holders and ventilators for tents, and has for one of its objects the production of a simple and inexpensive device of this description which may be easily attached to the roof or wall of a tent and when so placed will eliminate the possibility of the tent taking fire due to the fabric of the said tent coming into contact with the heated stove pipe.

Another object of my invention is to produce a stove pipe holder and ventilator providing a substantial air passageway between the stove pipe and the fabric of the tent. The elements forming this air passageway serve the dual purpose of keeping the stove pipe spaced apart from the fabric of the tent, and acting as a ventilator whereby the air within the said tent may be renewed.

Still another object of my invention is to provide a stove pipe holder and ventilator which at times when a stove is not being used may be converted into a screened ventilator that will permit a free passage of air but will bar the entrance of insects that would otherwise infest the tent.

Figure I is a plan of my device with the shield removed showing it attached to a fragment of the roof of a tent.

Fig. II is a sectional view showing my device attached to a fragment of the tent with the shield shown in place.

Fig. III is an enlarged section on line III—III of Fig. I.

Fig. IV is a plan of the screened ventilator used in connection with my invention.

Fig. V is a plan of the screen shown in Fig. IV.

Fig. VI is a plan view of the shield shown in Fig. II.

In the drawings A designates the fabric forming the roof or wall of a tent to which has been attached my improved stove pipe holder and ventilator. 1 and 2 indicate

frame members which are preferably circular in shape and are provided with holes to receive bolts or other fastening means which will be hereinafter described.

3 indicates a stove pipe encircling band having integral radial arms 4 extending outwardly therefrom, the outer ends of said arms being flattened and having holes formed therein to receive bolts 5.

Located equidistant around the frame member 1 on the lower side thereof is a plurality of projections 6 which may be formed by punching the metal from the upper side. These projections 6 register with recesses 7 formed in the frame member 2, when the said frame members are clamped together.

To attach my device to the roof or wall of a tent, holes must first be formed through the fabric to receive the bolts 5. This may be accomplished by holding the frame members in place and inserting a sharp instrument through the bolt holes and puncturing the fabric. The bolts can then be passed through the holes in the frame members 1 and 2, and nuts 5' applied. This will draw the frame members 1 and 2 tightly together, the projections 6 on the frame member 1 forcing the fabric of the tent into the recesses 7 in the frame member 2, thus insuring the said frame members a firm grip on the said fabric.

After the frame members 1 and 2 have been drawn together by the bolts 5 the tent fabric within the said frame members may be cut away leaving an opening through the tent as shown in the drawing, after which the stove pipe encircling band 3 may be secured in place by the bolts 5 being passed through the bolt holes in the radial arms 4 and through corresponding holes in the frame members and tent fabric.

To eliminate any possibility of heat from the stove pipe traveling along the arms 4 to the frame member 1 and setting fire to the tent, I provide a layer of fireproof material designated by the reference number 8 to be interposed between the frame member 1 and the fabric of the tent.

At times when a stove is not being used my device may be converted into a ventilator by removing the bolts 5 which secure the radial arms 4 of the stove pipe encircling band 3 to the frame members 1 and 2, and removing the said band 3. A screened frame member 9 may then be substituted

(as shown in Fig. IV) which screened frame member is provided with spring clips 10, which bear against the inside periphery of the frame members 1 and 2 and hold the member 9 in place.

To provide a means for closing the air passageway during bad weather I provide a shield 11 (Fig. VI) having a central opening 12 which fits around the stove pipe and is secured by spring clips 13 similar to those just described in connection with the screened frame member 9.

I claim:

1. A stove pipe holder and ventilator for tents comprising frame members, a stove pipe encircling band, located within the said frame members and separated therefrom, to provide an air space between said frame members and said stove pipe encircling band, and arms, connecting the frame members to the stove pipe encircling band.

2. A stove pipe holder and ventilator for tents comprising frame members, a stove pipe encircling band located within the said frame members, and separated therefrom to provide an air space between said frame members and said stove pipe encircling band, and radial arms connecting the frame members to the stove pipe encircling band.

3. A stove pipe holder and ventilator for tents comprising frame members, a stove pipe encircling band located within the said frame members and separated therefrom to provide an air space between said frame members and said stove pipe encircling band, and radial arms formed integral with the stove pipe encircling band whereby the said stove pipe encircling band may be secured to the frame members.

4. A stove pipe holder and ventilator for tents comprising a pair of frame members between which the fabric of the tent is clamped, one of said frame members being provided with a plurality of projections and the other frame member having a plurality of recesses registering with the pro-

jections on the first mentioned frame member, whereby the fabric of the tent will be forced into the recesses in one of the frame members by the projections on the other frame member when the said frame members are bolted together, a stove pipe encircling band located within the said frame members and separated therefrom to provide an air space between the said frame members and the said stove pipe encircling band, and arms carried by the stove pipe encircling band whereby the said stove pipe encircling band is supported by the frame members.

5. A stove pipe holder and ventilator for tents comprising a pair of frame members between which the fabric of the tent is clamped, a stove pipe encircling band located within the said frame members and separated therefrom, to provide an air space between the said frame members and the said stove pipe encircling band, radial arms formed integral with the stove pipe encircling band whereby the said stove pipe encircling band may be secured to the frame members, and a heat insulator interposed between the fabric of the tent and that frame member against which the radial arms bear.

6. A stove pipe holder and ventilator for tents comprising a pair of frame members between which the fabric of the tent is clamped, a stove pipe encircling band located within the said frame members and separated therefrom to provide an air space between the said frame members and the said stove pipe encircling band, radial arms carried by the said stove pipe encircling band whereby the said stove pipe encircling band may be secured to the frame members, and a shield whereby the air space may be closed.

In testimony that I claim the foregoing I hereunto affix my signature.

GEORGE C. GRAETER,