

N. E. BAIRD.
WIND SHIELD.

APPLICATION FILED NOV. 22, 1915.

1,250,762.

Patented Dec. 18, 1917.

Fig. 1.

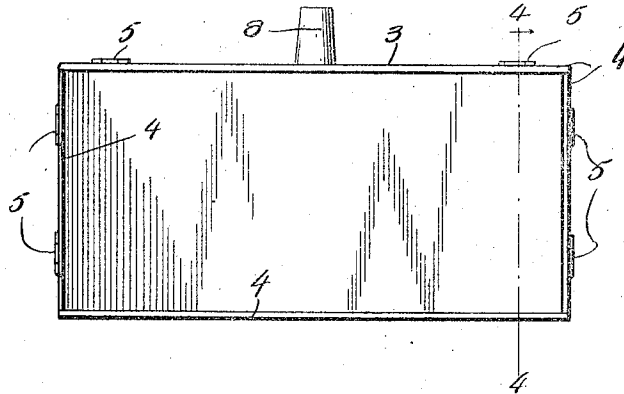


Fig. 2.

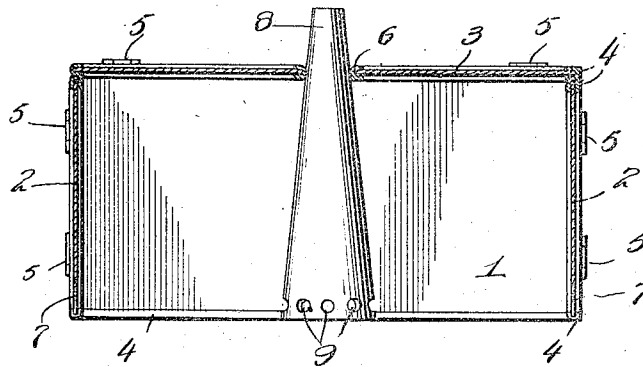
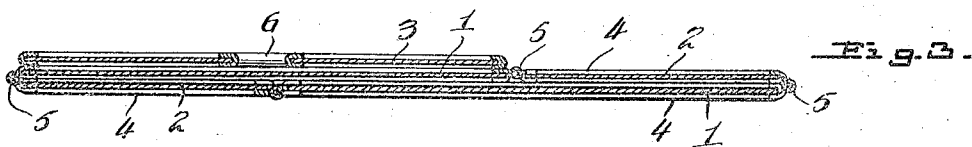
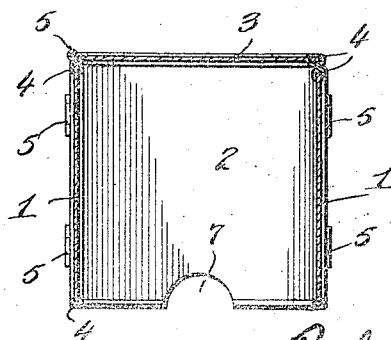


Fig. 4.



WITNESSES

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WIND-SHIELD.

1,250,762.

Specification of Letters Patent.

Patented Dec. 18, 1917.

Application filed November 22, 1915. Serial No. 62,863.

To all whom it may concern:

Be it known that I, NELLIE E. BAIRD, a citizen of the United States, residing at Anness, in the county of Sedgwick and State of Kansas, have invented certain new and useful Improvements in Wind-Shields, of which the following is a specification.

My invention relates to new and useful improvements in wind shields and more particularly to a wind shield for vulcanizers.

The primary object of the invention is the provision of a wind shield which is simple and inexpensive in construction and which is particularly adapted for use with vulcanizers of the portable type which are used for vulcanizing automobile tires and the like.

A further object of the invention is the provision of a wind shield which is collapsible whereby it may be stored and carried in a small space.

A still further object of the invention is the provision of means for carrying off the smoke which occurs during the vulcanizing process.

With these and other objects in view the invention consists in the novel details of construction and arrangement of parts which will be more clearly understood from the following description and drawings, in which,

Figure 1 is a side elevation,

Fig. 2 is a longitudinal section through the shield,

Fig. 3 is a longitudinal section through the shield when in collapsed form, and

Fig. 4 is a transverse vertical section on the line 4—4 of Fig. 1, looking in the direction of the arrow.

My shield comprises a box-shaped structure composed of a plurality of sections hingedly connected together and a chimney extending through the top thereof for carrying off the smoke. In the drawings, the numeral 1 indicates the sides, 2 the ends, and 3 the top. Each of the sides, ends and top are bound on all edges by the U-shaped metal strips 4 and said strips have portions struck therefrom to form hinges 5. The ends are hingedly connected to the sides and the cover is hingedly connected at the top edge of one of the sides. A central opening is formed in the top 3 and is bound by the U-shaped metal strip indicated at 6. Each of the ends is provided with a semi-circular cut-out portion indicated at 7, the

purpose of which will be presently described.

A funnel-shaped chimney is indicated at 8 and is provided near the bottom edge with the circumferentially-spaced openings 9 the purpose of which will be presently described. The upper end of the chimney extends through the central opening in the top as is more clearly shown in Figs. 1 and 2 of the drawings.

The sides, ends and top are preferably formed of asbestos, but I wish it clearly understood that any other suitable fire-proof material might equally as well be used.

Having fully described the detailed construction, it is thought that the advantages and mode of use will be understood. My wind shield is particularly adapted for vulcanizers of the portable type which are used for vulcanizing automobile tires. Very often blow-outs occur while on the road and it is necessary to vulcanize the tire before proceeding farther. The usual mode is to place the tire upon the ground or other suitable object and then place the vulcanizer on the portion of the tire which is to be vulcanized. In the past considerable difficulty has been experienced in having the wind extinguish the flame in the vulcanizer and it is to overcome this disadvantage that my wind shield is intended. The funnel-shaped chimney 8 is placed over the vulcanizer and the tire which is lying flat will extend through the openings 7 formed in the ends of the shield. The openings 9 in the bottom of the chimney 8 allow for a draft or ventilation and the smoke which occurs during the vulcanizing will pass out through the chimney. When the shield is not in use the chimney is removed and the shield is collapsed in the form shown in Fig. 3 of the drawings. The sections being hingedly connected together can easily be folded and as shown in Fig. 3 of the drawings one end and one side fold over upon the opposite end and side. The cover 3 is folded back over one of the sides, as is clearly shown. It will thus be seen that I have provided a wind shield which may be collapsed and carried in a small space and which may be easily raised into position when it is desired to vulcanize.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is:

1. A collapsible wind shield, comprising

- sides, and end walls hingedly connected, a cover hingedly connected to one side and provided with a central opening, and having a circular reinforcing ring provided with
5 flanges adapted to engage the flexible material at the marginal edges of said opening, a funnel-shaped chimney to be received through said ring, said chimney provided
10 near its lower edge with a plurality of circumferentially spaced openings, said chimney tapered so as to snugly engage the circular ring in the cover and its lower edge extending to the plane of the lower edges of said side and end walls.
- 15 2. A wind shield for portable vulcanizers comprising a collapsible body portion having its bottom open and its ends provided
- at the bottom with openings to receive portions of the tube to be vulcanized, and a top secured to the body portion and provided
20 with an opening; and a chimney extending through and beyond the opening in the top and having its lower portion disposed near the bottom of the body portion and provided
25 with air inlet openings in the lower portion of the chimney said lower portion being adapted to receive a portion of the vulcanizer.

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

NELLIE E. BAIRD.

Witnesses:

C. B. THOMPSON,
H. NORTH.

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