April 21, 1931. A. M. LOWN ET AL 1,801,437

LEG SHIELD

Filed Oct. 4, 1930

Fig. 1.

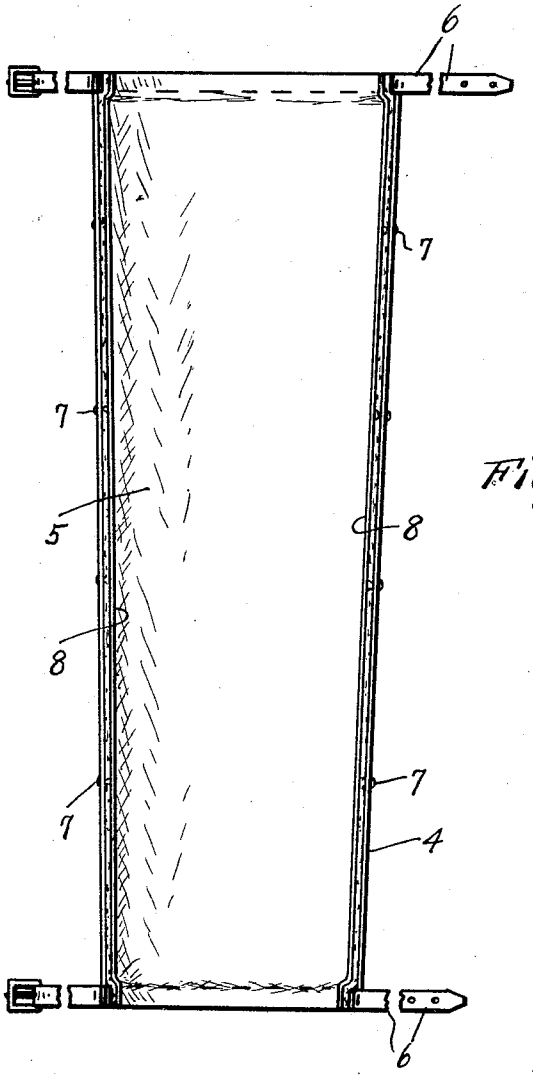


Fig. 2

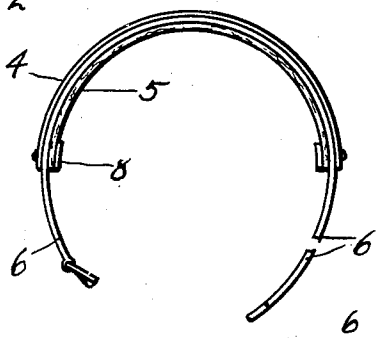
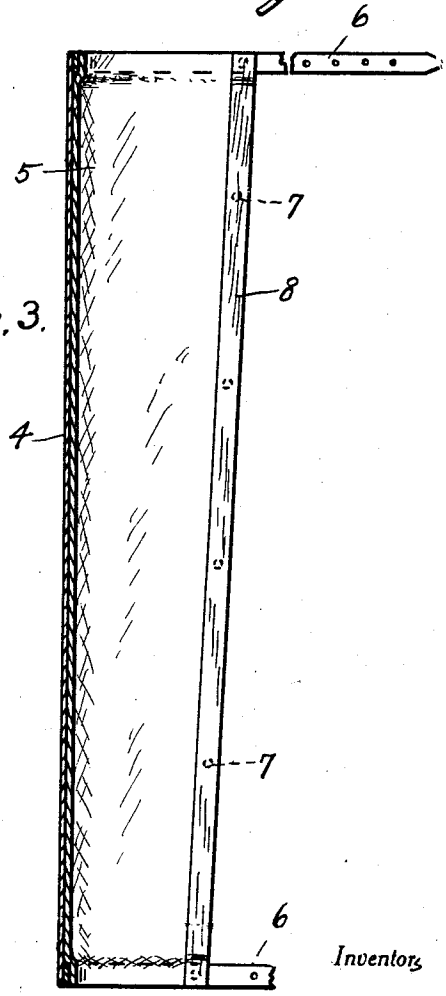


Fig. 3.



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UNITED STATES PATENT OFFICE

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LEG SHIELD

Application filed October 4, 1930. Serial No. 486,430.

This invention relates to an improved leg shield or guard which is primarily designed to be worn by workmen in performing hazardous tasks such as subjecting the workmen to injury from flying sparks or other obstacles such as railroad spikes, cut stones, and the like.

It is a matter of common knowledge that many workmen in performing their daily duties must assume a close position to the work such as subjects the legs to injury. For example, welders using electrical tools and the like are frequently burnt in applying fire and sparks, stone cutters are injured by flying stones, and railroad trackmen by flying spikes and so on.

The present shield or protector is designed to be movably fastened to embrace the legs with sufficient security to guard against burns and knocks from flying objects.

In carrying the invention into construction and practice, we have evolved and produced a simple and economical appliance comprised primarily by a sheet metal body having an appropriate internal lining for comfort and provided with suitable limb embracing and retaining straps.

In the drawings:—

Figure 1 is an inside elevational view of a leg shield constructed in accordance with the present invention.

Fig. 2 is a top edge view thereof.

Fig. 3 is a longitudinal sectional view therethrough.

Referring now to the drawings by reference numerals, it will be observed that the numeral 4 designates a sheet metal shield proper. This is vertically elongated in shape, and aproximately semi-circular in cross section, and may be of thin steel or tin, of sufficient flexibility to permit it to bend around and conform to the anatomy.

The use of a metal shield is acid-proof and fire-proof and suffiicently sturdy to withstand blows from flying objects of stone, steel and the like. The interior is a lining 5. This is of appropriate cushioning material, such as leather or the like, and is of such shape and proportion as commensurate with the sheet metal shield 4.

Fastened between the top and bottom ends of the shield and lining are the leg encircling or embracing straps 6. These are provided with buckles to facilitate fastening. It has been found expedient to connect the lining with the longitudinal edges of the metal shield through the medium of rivets 7 and in doing this I have found it practicable to cover the rivets by longitudinal marginal binders 8 of appropriate material. Thus, the complete device comprises a longitudinally elongated semi-circular acid and fire-proof metal shield, an appropriate cushioning lining, upper and lower leg embracing straps, fastening rivets and marginal binders for covering the rivets for comfort and protective purposes.

The device is easy to put on and take off, is light in weight, and susceptible of conforming to the motions of the leg with which it cooperates. It is a dependable protector against burns and injury and is susceptible of diversified usage by all sorts of laborers and workmen.

It has been found to be safe and efficient as a protector for laborers in their daily work.

The present embodiment of the invention has been disclosed in considerable detail merely for the purpose of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It is to be understood that by describing in detail herein any particular form, structure or arrangement, it is not intended to limit the invention beyond the terms of the claim or the requirements of the prior art.

Having thus described our invention, what we claim as new is:—

As a new product of manufacture, a workman's protective shield of the class described comprising a longitudinally elongated substantially semi-circular metal shield of bendable property, an internal lining of a shape and size commensurate with said shield, rivets connecting the longitudnial edge portions of the lining with the corresponding edge portions of the shield, covering margi-

nal binder strips fastened to the lining and sealing the rivets on the inner side of the structure, and straps interposed between the upper and lower end portions of the liner and shield and having their free end portions apertured and equipped with buckles to facilitate application and removal of the device.

In testimony whereof we affix our signatures.

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