

1,060,075.

UNITED STATES PATENT OFFICE.

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EMERGENCY-PACKET.

1,060,075.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILL V. GAGE, a citizen of the United States, residing at Primero, in the county of Las Animas and State of Colorado, have invented certain new and useful Improvements in Emergency-Packets, of which the following is a specification.

My invention relates to emergency packets and its object resides in the provision of a packet of simple and compact construction, which serves to provide in case of accidental bodily injury, the necessary appliances for alleviating the suffering of the patient and giving remedial treatment to the injured part until the services of a surgeon can be obtained. The packet includes to this end, in its component parts, splints, bandages, and other remedial agents, in such a manner that while they are fully protected against contamination, they are available for immediate use to set a broken limb, protect an open wound, control a hemorrhage, or in short to render first aid in any case of physical hurt.

The packet is especially adapted for use of miners and workmen in general, who in the practice of their trade, are most liable to injury and it may for this reason, be provided with means whereby it is attached to a dinner pail or similar container, which being invariably carried by the workman in going to and from his work, is always at hand near the place at which he is employed and which of all things is least likely to be forgotten or misplaced. The packet is, however, well adapted by its size and form, to be carried in the pocket or if so desired, it may be suspended from a belt or strap to which end it is provided with a hook or loop.

With these and other less important objects in view, I provide an oblong case, curvilinear in cross-section, and composed of two curved plates well suited to be used as splints, and detachably connected along their edges by a soldered strip of pliable metal which hermetically seals the case and thus protects the contents thereof against contamination and allows of the daily washing or cleaning of the pail to which the packet is attached, without injury to the packet contents. The contents of the case consist preferably of a roll of aseptic gauze

for covering a wound or injured part, and tapes which may be attached at the ends of one of the splints for the purpose of securing said splints in place over the aseptic gauze on the fractured or otherwise injured limb.

The present application is divisional of the application for patent Serial Number 662,155 filed by me on the 24th day of November 1911.

An embodiment of my invention has been shown in the accompanying drawings in the various views of which like parts are similarly designated, and in which,

Figure 1 represents a perspective view of the packet with the band which normally connects its sides, partially removed, Figs. 2 and 3, perspective views of the sides of the packet when detached to be used as splints, Fig. 4 a perspective view of the band which normally connects the sides of the packet and hermetically seals the same, Fig. 5, a perspective view of the roll of aseptic gauze contained within the case formed by the splints and the connecting band, Fig. 6, a fragmentary, perspective view of the packet showing a modified method of securing the end of the band which connects the sides thereof, Fig. 7, a perspective view of the packet provided with an exteriorly applied band by which it may be attached to a container such as a dinner pail or by which the splints may be held in place on a fractured limb, and Fig. 8, a transverse section through the emergency packet and the contents thereof, drawn to an enlarged scale.

Referring more specifically to the drawings my emergency packet is composed of two curved side-plates 6 and 7 which when detached, are well adapted to serve as splints for keeping the bones of a fractured limb in a fixed position. One of the plates, 6, has attached upon its inner surface by means of loops 6^a or other suitable devices, two tapes 8 which in practice serve to retain the splints in place on the injured limb and which when the packet is intact, are folded and placed within the same together with the roll of aseptic gauze 9 or such other articles as may be found to be of use in case of emergency in affording relief to the sufferer.

The two-side plates 6 and 7 of the case

are connected by means of a metal strip or band 10 which is secured along the edges thereof by solder, a method preferable over others as it not only permits ready disconnection of the side-plates, but also hermetically seals the packet so as to maintain the contents thereof in the proper condition for an indefinite period. The connecting strip 10 may be formed with a lip 12 which furnishes a finger hold to facilitate removal of the strip or which, when the packet is used in connection with a dinner pail, will serve to maintain it in position by engagement with the bottom thereof. The lip 12 may, however, be omitted and a slotted key 13 attached to the end of the strip, as is shown in Fig. 1, which while having the same function as the lip 12 when placed in engagement with the bottom of the dinner pail, provides at the same time ready means for removing the band which connects the side-plates of the packet; or a wire ring 14 may for the same purpose be attached to the end of the band 10, as shown in Fig. 6, and held in place by means of a drop of solder 15.

In the construction shown in Fig. 7 a strip 16 of tin or other similar material is secured upon the concave surface of the packet and provided at one of its ends with a slot 17, through which its other end may be passed to secure the packet in place upon a dinner pail. This form of construction has the additional advantage that the tapes 8 shown in the preferred form, may be eliminated and the band 16 used to hold the splints in place on the injured limb.

While the connection of the packet with a dinner pail is most useful in that it compels the workman to have it at all times near him, it will be observed that the device is by its compactness and curved form, well adapted to be carried in the pocket, or it may if so desired, be carried on a belt around the waist, in which case a loop 18, as shown in Fig. 1, is secured upon its concave surface.

When in case of physical hurt, immediate attention to the injured part is required, the packet if attached to a dinner pail, is removed therefrom, and a nail, knife-blade or other sharp instrument or if available, a key is used to remove the band which con-

nects the two side plates, as illustrated in Fig. 1. The plates 6 and 7 are now in a condition to be used as splints, the tapes are ready to secure the splints in place on a fractured limb, and the aseptic gauze or what other remedial means may have been contained in the packet are at hand to cover the wound, control the hemorrhage, protect the flesh from contact with the splints or render such other services as the nature of the case may demand.

Having thus described my invention what I claim and desire to secure by Letters-Patent is:

1. An emergency packet composed of a pair of concavo-convex splints arranged in spaced concentric relation to form the sides of the packet, tapes secured to the convex face of one of the splints for holding the splints in place when in use, said tapes being disposed in said space between the splints, and means connected to the edges of the splints for connecting the splints and for hermetically sealing the space therebetween.

2. An emergency packet composed of a pair of concavo-convex splints arranged in spaced concentric relation to form the sides of the packet, and closing means connected to the edges of the splints.

3. An emergency packet composed of a pair of spaced concavo-convex splints, a strip detachably connected to the edges of said splints, and a lip projecting outwardly from said strip at the bottom of the packet and on the concave side thereof to provide a finger hold enabling removal of the strip and to engage the bottom of a dinner pail to hold the packet in position relative thereto.

4. An emergency packet composed of a pair of concavo-convex splints arranged in spaced concentric relation to form the sides of the packet, closing means connected to the plates, and means secured to one of the splints and disposed in said space between the splints for securing the splints in position on an injured limb.

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

WILL V. GAGE.

Witnesses:

E. C. BULLARD,
O. O. SAUNDERS.