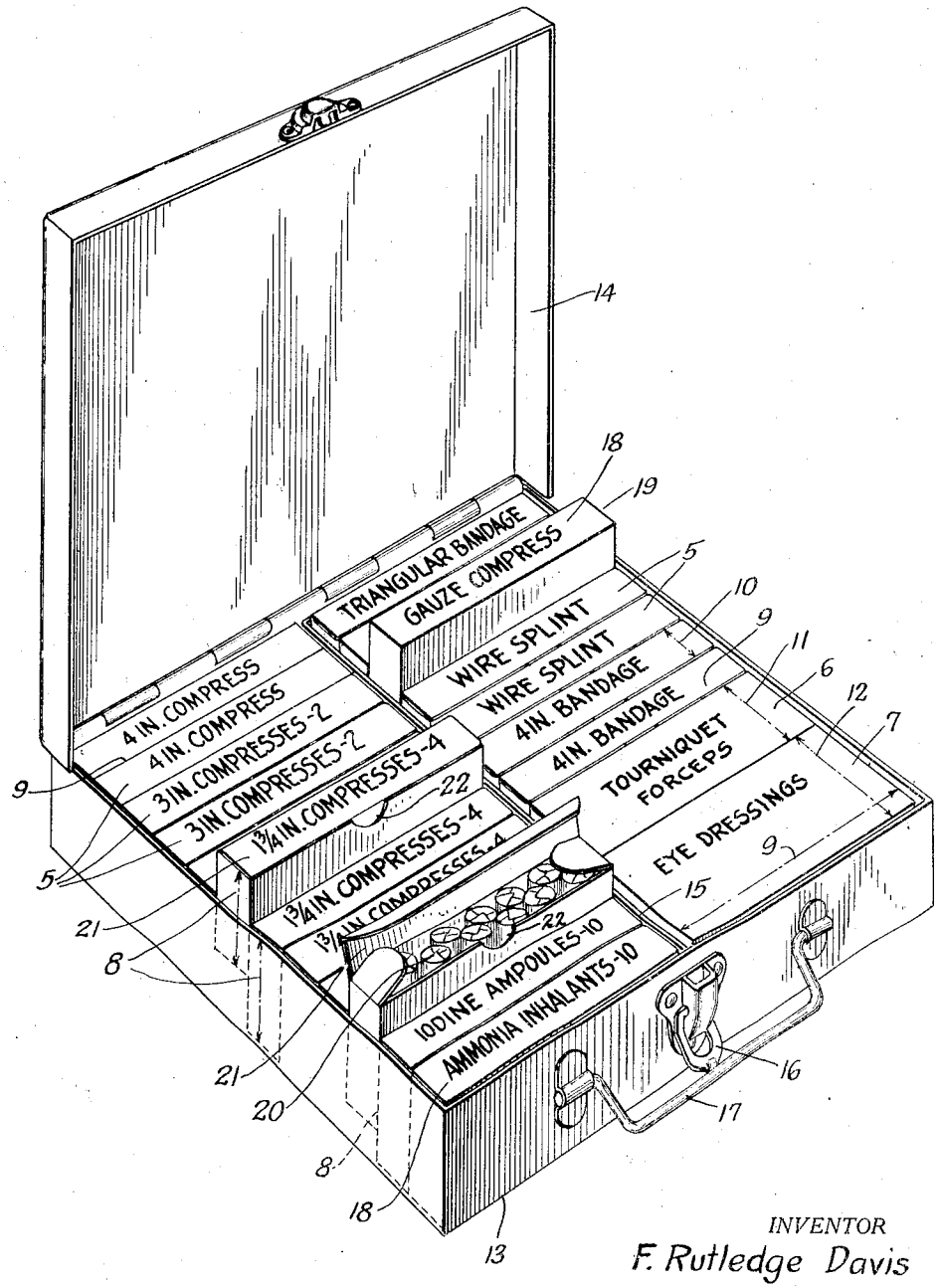
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F. R. DAVIS

FIRST AID KIT

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# UNITED STATES PATENT OFFICE.

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## FIRST-AID KIT.

Application filed March 8, 1923. Serial No. 623,639.

*To all whom it may concern:*

Be it known that I, FRANK RUTLEDGE DAVIS, a citizen of the United States, and a resident of Scarsdale, county of Westchester, and State of New York, have invented certain new and useful Improvements in First-Aid Kits, of which the following is a specification.

The present invention relates to first aid emergency equipment and special objects of the invention are to provide such equipment in the form of a portable kit which will be of compact design and yet will contain all the first aid equipment necessary and in such form that the various articles will be instantly accessible and ready for immediate use.

A further important object is to enable the assemblage of the kits out of standard units to suit special requirements or meet definite specifications.

In the accompanying drawing I have shown but one typical example of the invention, the figure illustrating the kit as opened up and ready for use.

One feature of the invention is the packaging of the various articles which are used in emergency kits in packets either of a definite unit size or a multiple of such unit size so that they may be fitted together and interchanged to meet specific requirements.

In the illustration the packets of unit size are designated 5 and the multiple-unit size packets are designated 6 and 7 respectively. All packets are of the same depth at 8 and are of equal length at 9. The width, however, is either the unit size determined upon as at 10 or a multiple of that size, the packet 6 being shown as having a width 11 equal to double unit size and the packet 7 being shown as having a width 12 equal to triple unit size. Thus the larger packets 6 and 7 may be interchanged for any two or three of the unit size packets respectively and occupy the same amount of space.

The packets are stacked on edge within a carrying case 13 which is open at the front to expose the entire contents and provided with a hinged cover 14 shown as hinged at one end so that it may be thrown back entirely out of the way.

The carrying case is of approximately the same depth as the packets and of a length equal to a multiple of the width or thickness of the unit size packages. In the example disclosed, the internal length of the case is twelve times the width of the narrower or unit size packets and the case is therefore adapted to hold either a stack of twelve of the unit size packets or a lesser number of the larger multiple-unit packets, or packets of mixed sizes equivalent to twelve of the single units.

Also the case is preferably of a width internally equal to the length of the packets or a multiple of such length so as to hold confined either a single stack or a multiplicity of the stacks. In this particular illustration the case is of a width approximately equal to double the length of the packets and is therefore adapted to confine two rows or stacks of the packets, a longitudinal partition 15 being shown provided to segregate the two stacks.

The cover preferably fits fairly closely over the packets so as to hold the same confined in their predetermined relation within the case and may be provided with a quick opening snap catch such as indicated at 16. The case also may be equipped with a suitable carrying handle, as shown at 17, usually located, with the catch, at what is ordinarily the bottom end of the case so that the case will naturally be rested upon a support in position to throw the cover upwardly and backward out of the way to expose the entire contents.

The character or contents of each packet is shown by a suitable legend on the front of the packet, as indicated at 18, which, as illustrated, may describe both the nature of the enclosed article and, if there be more than one, the number of such articles. These titles are all made visible by the opening of the cover and standing in rows as they do, are easily readable so that individual packets can be quickly singled out for use.

The contents of the packets are sterilized and sealed in that state, either by sealing the entire packet, as where the packet contains only a single article, such as a compress, as indicated at 19 or, where the packet contains several articles, such as a series of ampoules, as indicated at 20, by sealing the individual articles. In the latter case, that is, where the packet contains a number of individually sealed articles, the container is preferably constructed as a carton having a front flap 21 accessible through an indentation or thumb-hole 22 in the lower front edge of the carton, so that the packet may be opened up to expose the contents without actually with-

drawing the packet from its position in the case. This enables one or more of the sealed articles being withdrawn and used without displacing the containing packet or any of the other packets. In this construction of carton the descriptive or designating legend may be printed directly on the outside of the closure flap as illustrated.

The invention, it will be seen, provides a compact and handy portable assortment of first aid remedies which can be selected from a general supply of the packaged remedies, with a case of corresponding multiple unit size to meet accidents which might occur in any given industry, which are all instantly available and which can be quickly selected without confusion or loss of time and which are preserved in sterile, aseptic condition. Because of their shape and the manner in which the packets are related in the case one or even more of the packets may be removed and the remaining packets will still maintain their prearranged relation, with the identifying legends exposed and the closure flaps instantly accessible. Also, when packets are removed the spaces left will indicate that renewals are necessary and these may readily be inserted in the case in the desired arrangement.

What I claim is:

1. First aid for industrial emergency use comprising first aid remedial devices, substantially rectangular containers for the same of substantially equal depth, some of a predetermined unit width and others a multiple of that unit width, said first aid devices varying in character but collectively designed to meet the hazards ordinarily encountered in the special industry for which the kit is intended and being packed according to size and shape, either one or a number in a unit or multiple unit size packet, said packets having quickly releasable closures and bearing on the fronts of the same legends designating the character and articles contained, a carrying case of substantially the same depth as the packets and of a length substantially equal to a multiple of the unit packet width to thereby hold a stack of the unit and multiple unit packets closely confined therein with their front ends all exposed and fully accessible, said case having a cover overlying the entire set of contained packets to thereby hold them confined in stack formation with the closures secured against accidental opening and said cover being held to the case by a readily releasable fastening permitting the cover to be quickly opened and the articles needed for special emergencies to be instantly sighted and used.

2. A first aid emergency kit comprising first aid packets containing first aid specialties said packets being of the same depth and of equal length, some of the packets being of a predetermined unit width and others being of a width equal to a multiple of such unit width and a carrying case of approximately the same depth as the packets and of a length equal to a multiple of the unit width of the packets so as to hold a stack of the unit and multiple-unit packets closely confined therein but accessible and exposed at the front of the case, said case having a cover for the front of the same to prevent disarrangement or displacement of the packets stacked therein and adapted when opened to expose the full contents of the case and the packets having descriptive legends on the front sides of the same and all exposed when the case is open to enable instant selection and use of the same and the case being of a width equal to a multiple of the length of such packets to hold a number of stacks confined against endwise displacement.

3. The method of making first aid kits for emergency use which comprises packaging the remedies and dressings for all manner of emergency first aid, according to size and shape, in readily opened cartons of a predetermined unit width and multiples of such unit width and labeled across their widths to indicate character and quantity of contents, providing carrying cases of different sizes but all of a length equal to a multiple of the unit width of packet, selecting from the general supply of packets a special group of packets necessary to meet the hazards encountered in an industry for which first aid is to be rendered and in number according to the approximated frequency of different accidents in such industry and the number of persons the kit is to care for, then selecting from the carrying cases, a case of a length suited to the total of the multiple unit widths of the thus determined special group of packets and finally packing said group of packets in side by side relation in the selected case so that by reason of such multiple unit relation between packets and case, the packets will be held in definitely fixed relation within the case with their legendary faces all exposed and forming instantly available specialized first aid needs for the risks of the given industry, which can be chosen and used instantly the need arises.

In witness whereof, I have hereunto set my hand this 26th day of February, 1923.

F. R. DAVIS.