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A. A. BALINT

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MEDICAL CASE

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Fig. 1.

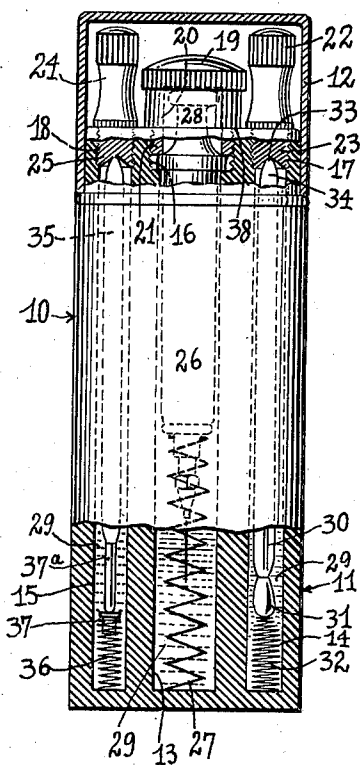


Fig. 2.

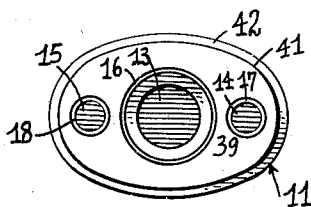
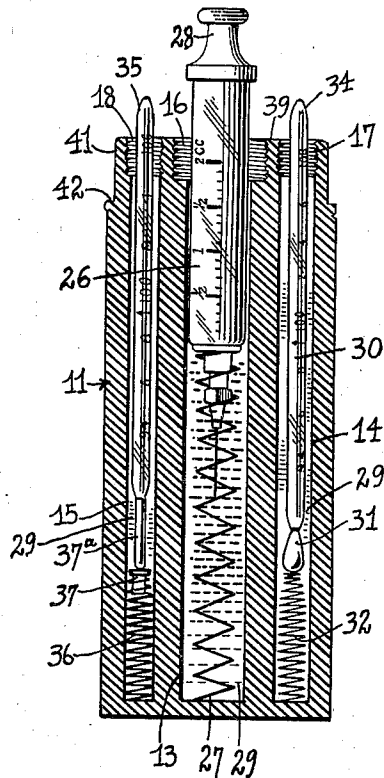


Fig. 3.

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UNITED STATES PATENT OFFICE

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MEDICAL CASE

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2 Claims. (Cl. 206—43)

This invention relates to medical cases for carrying instruments, particularly thermometers and syringes and has for its main object to provide a medical case wherein the most frequently used instruments of a physician may be carried together in combination, and in a novel effective manner, so that any one may be available for instant use.

Another object of this invention is to provide a device as characterized hereinbefore, wherein such instruments, like thermometers and syringes, which are desired to be carried in a hygienic disinfective manner, may be carried in a well sealed disinfecting liquid medium.

Still another object of this invention is to provide a medical case of the type mentioned in which any of the instruments carried therein may be sealed in a quick expeditious manner or will be automatically projected from the casing for ready use.

Still further objects of this invention will be apparent as the specification of the same proceeds, and among others I may mention: to provide a medical case of the character indicated, which will be extremely simple in construction, convenient, adapted to be carried in the pocket, will be reliable and safe in use, attractive in appearance and inexpensive to manufacture.

In the drawing:

Fig. 1 is a partly sectional elevation of my device fully assembled and in an entirely closed position;

Fig. 2 is a sectional elevation thereof in an open position, its cap having been removed as well as the sealing plugs for all the three instruments therein, while

Fig. 3 is a top view thereof, its cover or cap and its contents having been removed.

Referring now to the drawing more closely by characters of reference, the numeral 10 indicates my novel medical casing in general, having two main parts, namely, a casing proper 11 and a cap or cover 12 for the same.

The casing proper is a generally cylindrical body of preferably oval cross-section of any appropriate material, having a wider central hole or bore 13 and right-hand and left-hand narrower bores or holes 14 and 15, respectively. Each of said holes or bores is closed at the bottom and open at the top as at 16, 17 and 18, respectively. The upper openings of said holes are made wider and screw threaded as indicated at 16, 17 and 18.

A shorter and wider sealing plug 19 is provided for the central hole 13 having a hollowed inner

portion as at 20, and a screw threaded lower extension 21 adapted to engage the screw threads 16.

A narrower and higher sealing plug 22 is provided for the right handed hole 14 being entirely solid in its body and also having a reduced and screw threaded lower extension 23 adapted to engage the screw thread 17, while the left handed hole 15 may be closed by a similar higher and narrower sealing plug 24 with a screw threaded narrower lower portion 25 adapted to engage the screw threads 18.

In the preferred embodiment of my device, I aim to use the central larger hole 13 for housing a syringe generally indicated by the numeral 26. A comparatively heavy coil spring 27 may be placed at the bottom of said hole 13 on which the syringe 26 may rest while the upper portion 28 of the syringe may protrude into the inner hollowed portion or bore 20 of the plug 19 when said plug is in a closed position. A disinfecting liquid, preferably alcohol 29 may fill the hole 13 to a desired extent. In the right hand hole 14, I prefer to place and carry a rectal thermometer 30 having a heavier lower portion 31 and a coil spring 32 on which it may simply rest. The plug 22 adapted to close this hole may have a rounded concave bottom portion 33 against which the top 34 of the thermometer 30 may rest when the same is in a closed sealing position.

In a similar manner, I may carry a normal physician's thermometer 35 in the left hand hole 15 resting against the plug 24, having a similar construction to the plug 22. A coil spring 36 may be arranged for the thermometer 35 and may carry an upper pin 37 placed within its coils and having an enlarged disc head resting thereon so as to provide an appropriate supporting surface for the thin lower end 37a of the thermometer 35. Each of the narrower holes 14 and 15 may also be filled with appropriate disinfecting liquid 29.

The use and operation of my device will be practically obvious from the above description.

Normally, the syringe 26 is placed over the coil spring 27 into the central hole 13 as indicated in Fig. 1 and the central plug 19 will be tightly screwed into the opening 16, its narrow shoulder 38 engaging the respective top portions 39 of the casing proper 11 and thereby additionally sealing the hole 13 and the disinfecting liquid 29 therein. The syringe 26 will be pressed downwardly, compressing the spring 27.

In a similar manner, the thermometers 30 and 35 will be pressed down within the holes 14 and 15 compressing springs 32 and 36 through the

action of the sealing plugs 22 and 24, respectively, and their disinfecting liquid 29 sealed against escape. A hollow cap 12 may be provided for the whole device, having the same cross-section as the body of the casing and engaging by tight frictional action and narrowed upper portion 41 of said casing resting on the shoulder 42, and in this closed and sealed condition the whole compact combined casing may be easily carried in the instrument bag or in a pocket of the physician.

When it is desired to use any of the instruments in the casing, cap 12 will be removed and the respective sealing plugs 19, 22 or 24 will be unscrewed, whereupon the respective instrument will be projected by the action of its spring, as indicated for all the three instruments in Fig. 2, and the instrument then may be grasped at the upper end and removed, ready for use in a sanitary disinfected condition.

It will be seen that my device is adapted to attain all the objects mentioned hereinbefore and will provide a very convenient medical casing for carrying a combination of instruments in a sanitary manner, adapted to project any selected instruments in the simplest and quickest man-

ner without disturbing any of the other instruments.

What I claim as new, is:

1. In a medical case, having a body proper and a removable cap for the same, said body being oval in cross-section, a longitudinal wider hole in the center of said body being closed on the bottom and open at the top and two similar narrower holes at the sides thereof, said holes being adapted to receive respective medical instruments, a sealing plug for the center hole being larger in diameter and shorter in height, and sealing plugs for the two side holes smaller in diameter and larger in height than the sealing plug for said center hole; a coiled spring of larger diameter in the center hole adapted to receive the needle portion of a syringe within its coils and permit the pump cylinder thereof to rest on its upper end, and a smaller coiled spring at the bottom of each of said smaller holes to rest a thermometer thereon.

2. In a medical case, as set forth in claim 1, one of said smaller springs having a plate at its upper end to support a narrow thermometer.

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