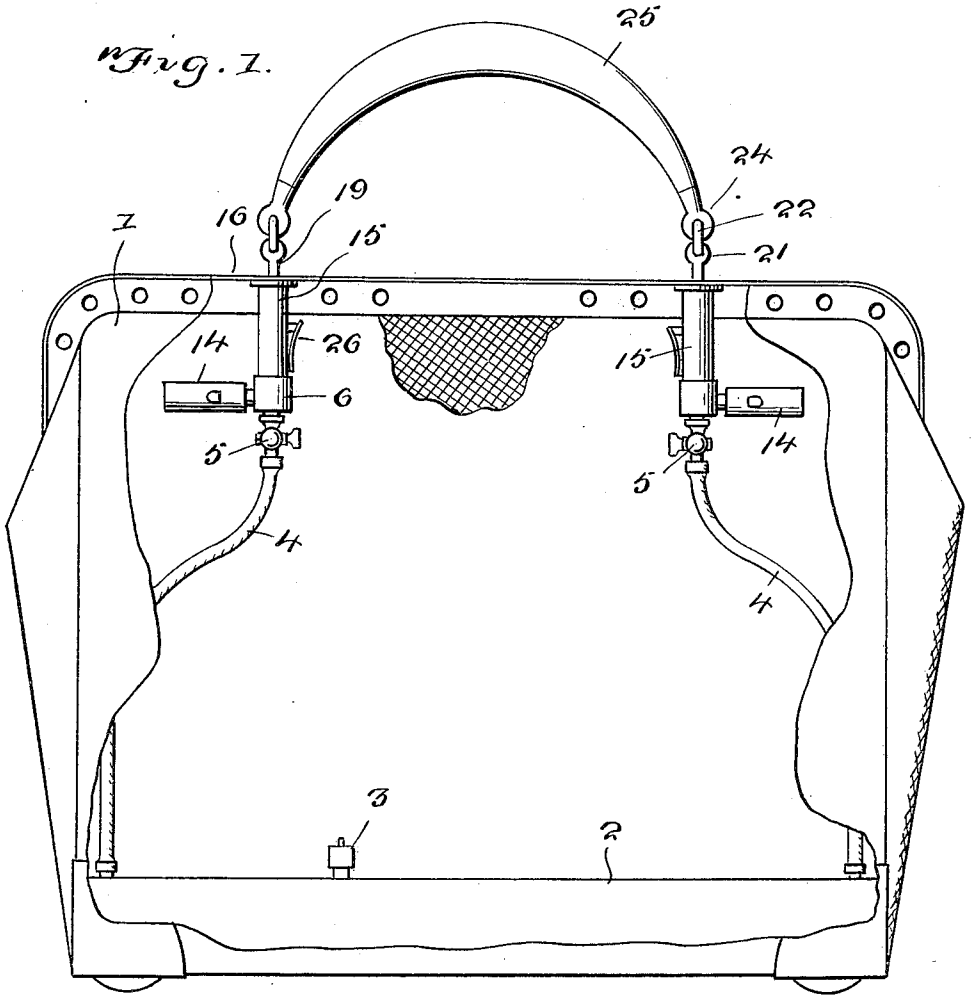
Aug. 26, 1924. 1,505,954

R. P. GILL

SATCHEL ALARM

Filed May 2, 1924 2 Sheets-Sheet 1

Fig. 1.



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Filed May 2, 1924 2 Sheets-Sheet 2

Fig. 2.

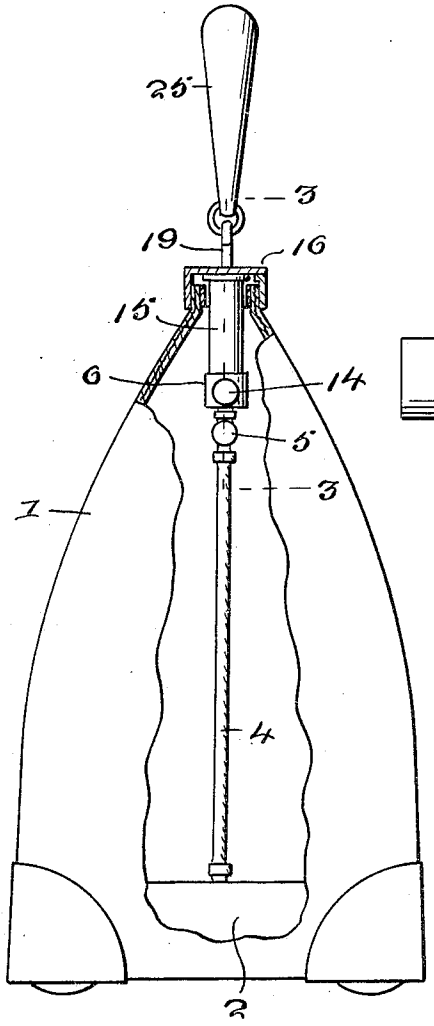


Fig. 3.

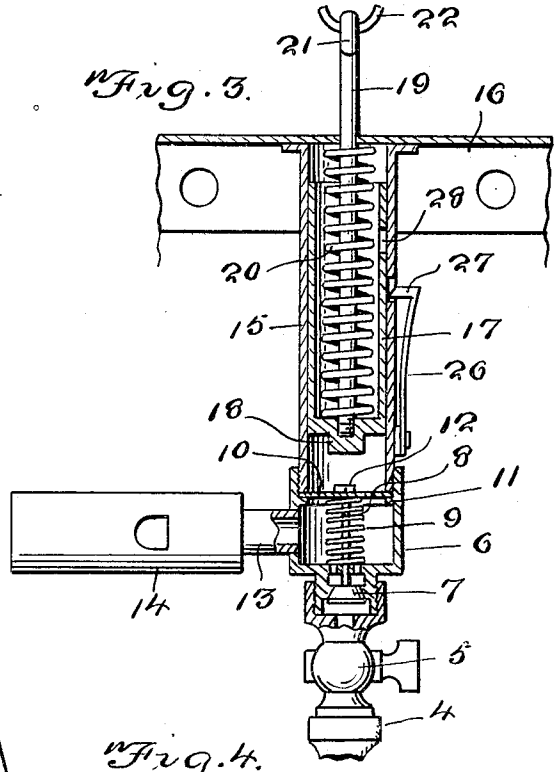
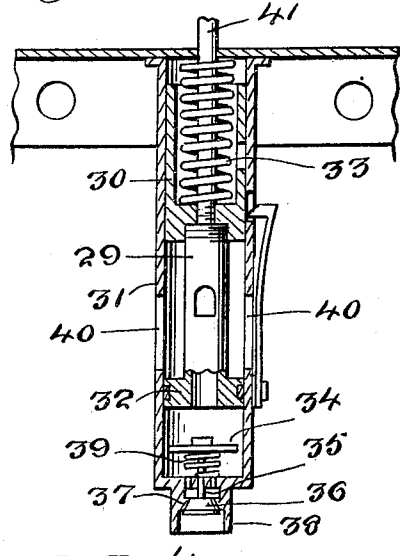


Fig. 4.



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UNITED STATES PATENT OFFICE.

RUDOLPH PARKER GILL, OF ORANGE, VIRGINIA.

SATCHEL ALARM.

Application filed May 2, 1924. Serial No. 710,630.

To all whom it may concern:

Be it known that I, RUDOLPH P. GILL, a citizen of the United States, residing at Orange, in the county of Orange and State of Virginia, have invented new and useful Improvements in Satchel Alarms, of which the following is a specification.

The object of this invention is the provision of means in a satchel carried by bank runners or other persons intrusted with valuable papers or money for sounding an alarm should the bag be snatched from the hand of the lawful possessor.

A further object is the production of an automatic alarm for bags or cases in which valuables are carried should the same be snatched from the hand of the lawful possessor, the construction being of a comparatively simple nature and readily applicable to such carrying cases, and being wholly concealed when in operative position.

To the attainment of the foregoing, the invention consists in the improvement as hereinafter described and definitely claimed.

In the drawing:—

Figure 1 is a side elevation of a money carrying bag or satchel provided with the improvement, parts being broken away.

Figure 2 is an end elevation thereof with parts broken away and parts in section.

Figure 3 is a greatly enlarged sectional view approximately on the line 3—3 of Figure 2.

Figure 4 is a view substantially similar to Figure 3, but illustrating a slight modification.

The bag or satchel, broadly indicated by the numeral 1, is of the ordinary construction and therefore a detailed description thereof will not be attempted.

In the bottom of the bag or satchel 1 there is a closed tank 2 in which is stored compressed air. The tank is provided with a valve controlled opening that is normally closed by a cap 3. Leading from the ends of the tank and securely attached to nipples that surround openings therein, are tubes 4. Each tube has secured to its outer end a hand controlled valve 5, the valves in turn being secured to casings 6. In each of the casings there is a valve seat that communicates with the bore thereof, each of the seats being normally closed by a valve 7 that has its stem 8 influenced by a spring 9. Each stem preferably has its outer end threaded and passes through a diaphragm 10 supported on lugs 11 in the casing 6. The tension of the spring 9 is adjusted by a nut 12 which is screwed on the stem 8 and which contacts with the outer face of the diaphragm 10. Each casing 6 is provided with a lateral branch or tube 13 secured on or formed at one end of a wind whistle 14.

Each of the casings 6 has screwed in its upper end a tubular member 15. Each of the tubes has its outer end flanged and riveted or otherwise secured to the top frame portion 16 of the bag or satchel 1. Movable in each of the tubes 15 there is a hollow piston 17. Screwed in the headed end 18 of each piston there is a rod 19. Between the top of the frame and the bottom of the piston there is arranged around the rod 19 a spring 20. The outer end of the rod is formed with an eye 21 receiving a link 22 which passes through the eye ends 24 of the handle 25 for the valise. When valuables are received in the valise the valves 5 are turned off. After the valuables are arranged in the valise the valves 5 are turned on, but the handle 25 is grasped by the operator so that the weight of the bag will prevent the plunger 18 being brought against the nut 12 to depress the diaphragm 10 and open the valve 7. Should, however, the valise be snatched from the hand of the messenger or dropped the diaphragm will be depressed, as above stated, so that the air under pressure will flow into the whistles 14 and sound the same. In order that the sound may be continuous, I secure on each of the tubular members 15 one end of a spring 26, the other end carrying an offset element in the nature of a dog 27 that passes through a suitable opening in one side of the tube 15. The hollow piston or plunger 15 is provided with a notch or opening 28 in which the dog is received when the piston is influenced by the spring 20 in a downward or inward direction.

In Figure 4, the construction is substantially similar to that previously described, except that the whistle 29 is carried by the plunger 30 that is received in the tube 31 that is attached to the upper frame of the bag or satchel. Also in this instance, the tubular whistle has secured to its lower end a piston head 32 so that when the whistle with the piston 30 are moved downwardly by the spring 33, the said whistle will con-

tact with a disk 34 on the stem 35 for the valve 36 that is normally influenced to its seat 37 in the casing 38 by a spring 39. The sides of the tube 31 are provided with openings 40 through which the sound waves from the whistle are emitted. The rod 41, connected with the piston 30 is attached to the handle of the bag or satchel in a manner as above described, and it is believed that the foregoing description, when taken in connection with the drawings will fully set forth the construction, operation and advantages of my improvement.

Having described the invention, I claim:—

1. In combination with a satchel or the like having a carrying handle, of means for sounding an alarm when the satchel is not suspended by the handle, including a reservoir having air under pressure in the satchel, a wind whistle, a normally closed spring influenced valve associated therewith, a valve controlled tube connection between the valve and the reservoir, a spring influenced plunger above the first mentioned valve and movable to unseat the same, and a connection between said plunger and the handle of the satchel, whereby the valve is retained seated incident to the weight of the satchel when the latter is suspended from the handle.

2. In combination with a satchel or the like having a carrying handle, of a means for sounding an alarm when the satchel is not suspended from the handle, comprising a reservoir in the satchel having air under pressure therein, valve controlled tubes leading therefrom, a casing carrying a spring influenced valve for each whistle and connected with each tube, means for adjusting each valve with respect to its seat, spring influenced plungers connected with the handle and normally sustained in one position by the weight of the satchel when the latter is suspended from the handle and designed for movement to unseat the valves when hold on the handle has been released, and means for holding the plungers in valve unseating position.

In testimony whereof I affix my signature.

RUDOLPH PARKER GILL.