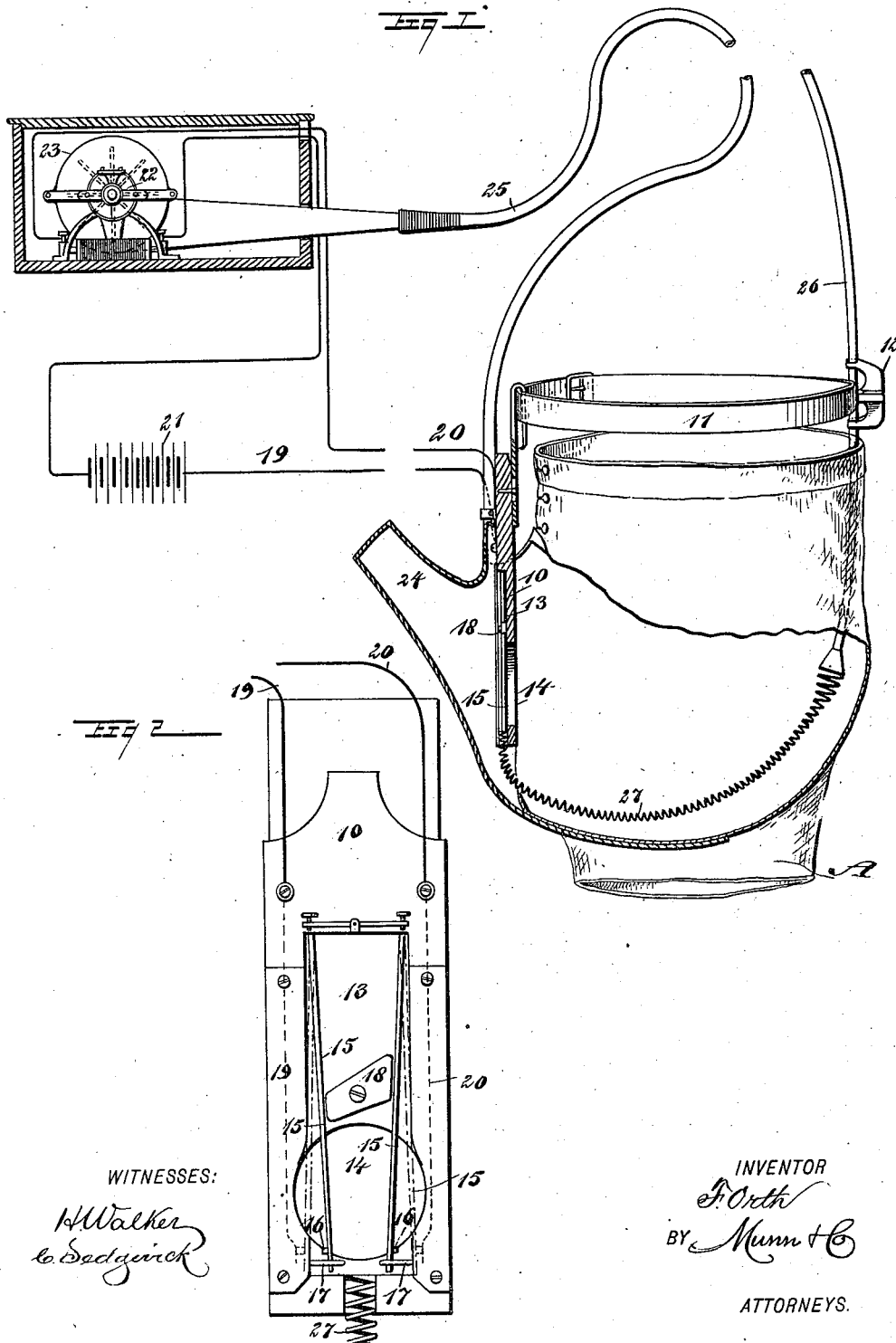


(No Model.)

F. ORTH.  
SURGICAL APPLIANCE.

No. 494,436.

Patented Mar. 28, 1893.



WITNESSES:

*H. Walker  
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# UNITED STATES PATENT OFFICE.

FRANK ORTH, OF ASTORIA, OREGON.

## SURGICAL APPLIANCE.

SPECIFICATION forming part of Letters Patent No. 491,436, dated March 28, 1893.

Application filed August 1, 1892. Serial No. 441,819. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK ORTH, of Astoria, in the county of Clatsop and State of Oregon, have invented a new and Improved Surgical Appliance, of which the following is a full, clear, and exact description.

My invention relates to a surgical appliance especially adapted for use in preventing nocturnal emissions, and has for its object to provide a device capable of being readily applied and worn with comparative comfort, which will automatically act at the proper moment to reduce the heat in the organ to be treated prior to said organ reaching the dangerous period, and whereby also the organ will be kept cool until all danger has passed.

It is a further object of the invention to provide for the sounding of an alarm prior to the critical period being reached.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in both the views.

Figure 1 is a partial side elevation and partial vertical section of the device; and Fig. 2 is a front elevation of an interior part, illustrating the manner in which an electric circuit is closed in which circuit the fan, shown in connection with the device in Fig. 1, is located.

In carrying out the invention a plate 10 of any approved material is suspended from a belt 11, adapted to be worn around the waist, and at the back of the belt a claw 12, is secured, the prongs facing forward in order that the wearer of the belt may not lie upon the back. The plate 10, is provided with a sunken panel 13 in its outer face, and near its lower end in the paneled portion a circular opening 14, is made. Two spring rods 15, are secured at their upper ends in the upper portion of the panel the lower ends of the rods being free. Each rod at its free end has a contact plate 16 upon its outer face, and the lower ends of the rods are also guided in their movements by staples 17, or like devices, as shown in Fig. 2. The rods 15 cross the opening 14, and are held a regulatable and prede-

termined distance apart by a button 18, or like device. The terminal wires 19 and 20 in circuit connection with a battery 21, are carried downward through the plate over at each side, and the lower portions of the terminal wires are exposed in such manner that when the rods 15, are forced a sufficient distance outward their contact plates will engage with the terminal wires and close the battery circuit. Within the said battery circuit an electric motor 22, is located, and the motor is in driving connection with a fan 23. The fan is usually located in a casing which in operation is so placed that the fan may be supplied with cool air. A pocket 24, is attached to the upper portion of the plate 10, and to the lower portion of a pair of drawers A, trunks, or like article of apparel, the upper front portion of the drawers being secured to the upper rear portion of the plate, and the lower portion of the plate containing the opening 14, extends downward within the drawers forming a partial partition between the latter and the pocket. A tube 25, is connected with the nozzle of the fan and upper rear portion of the pocket, as the latter is constructed of rubber or a closely woven material so that the air cannot escape through its walls. An exit tube 26, smaller than the inlet, is attached at the back of the belt, and the lower end of the exit tube, which is usually bell-shaped, is located within the drawers at the rear central portion. In order that a passage may be formed between the thighs of the wearer of the device, leading from the pocket to the mouth of the exit tube, a coil of wire 27 is secured to the mouth of the exit tube and to the lower end of the plate.

The operation is as follows: The drawers and belt are secured upon the person and the organ to be treated is passed through the opening 14 in the plate 10, between the spring rods 15 and into the pocket. In the event the organ should become heated and an erection should take place, the enlargement of the organ will cause the contact plates of the spring rods to engage with the terminal wires of the circuit and close the same; at this time the fan will be set in motion and the organ will be subjected to a current of cool air until its expansion is overcome, the air entering at the pocket escaping through the exit tube.

An alarm bell may be placed in the circuit if desired, in order that the patient may be awakened while the reducing process is in operation.

5 When an electric bell is employed in connection with the device a switch is located at the upper ends of the rods 15; and I desire it to be understood that the terminal wires are of spring metal and have more or less lateral play, in order that should a contact be made between the wires and the rods before the organ has become fully expanded the organ will not be subjected to pressure, as the terminal wires will yield. The tubes 25 and 15 26 are also inclosed, preferably, in wire coils, to prevent them becoming disarranged, and the connection between the tube 25 and the blower nozzle is a swivel one.

Having thus described my invention, I 20 claim as new and desire to secure by Letters Patent—

1. In a device of the character described, the combination, with a pocket, a plate located adjacent thereto and provided with an 25 opening, and spring rods carrying contact points crossing the opening in the plate, of a motor, a fan connected with the motor, a tubular connection between the fan and the pocket,

and an electric circuit, in which the motor is located, the terminal wires of which circuit 30 are carried opposite the contact points of the rods, substantially as shown and described.

2. In a device of the character described, the combination, with a pocket a wall of which is provided with an opening and spring rods 35 crossing the opening, their lower ends being free and provided with contact points, of an electrically propelled fan in communication with the pocket, and means substantially as shown and described, for making and break- 40 ing the circuit in which the fan is located by the manipulation of the spring rods, as and for the purpose specified.

3. In a device of the character described, the combination, with a pocket a wall of which 45 is provided with an opening, and circuit closers crossing the opening, of an electrically propelled fan connected with the pocket and an exit tube having communication also with the pocket, substantially as and for the 50 purpose specified.

FRANK ORTH.

Witnesses:

JOHN F. HAMILTON,  
CHAS. H. PAGE.