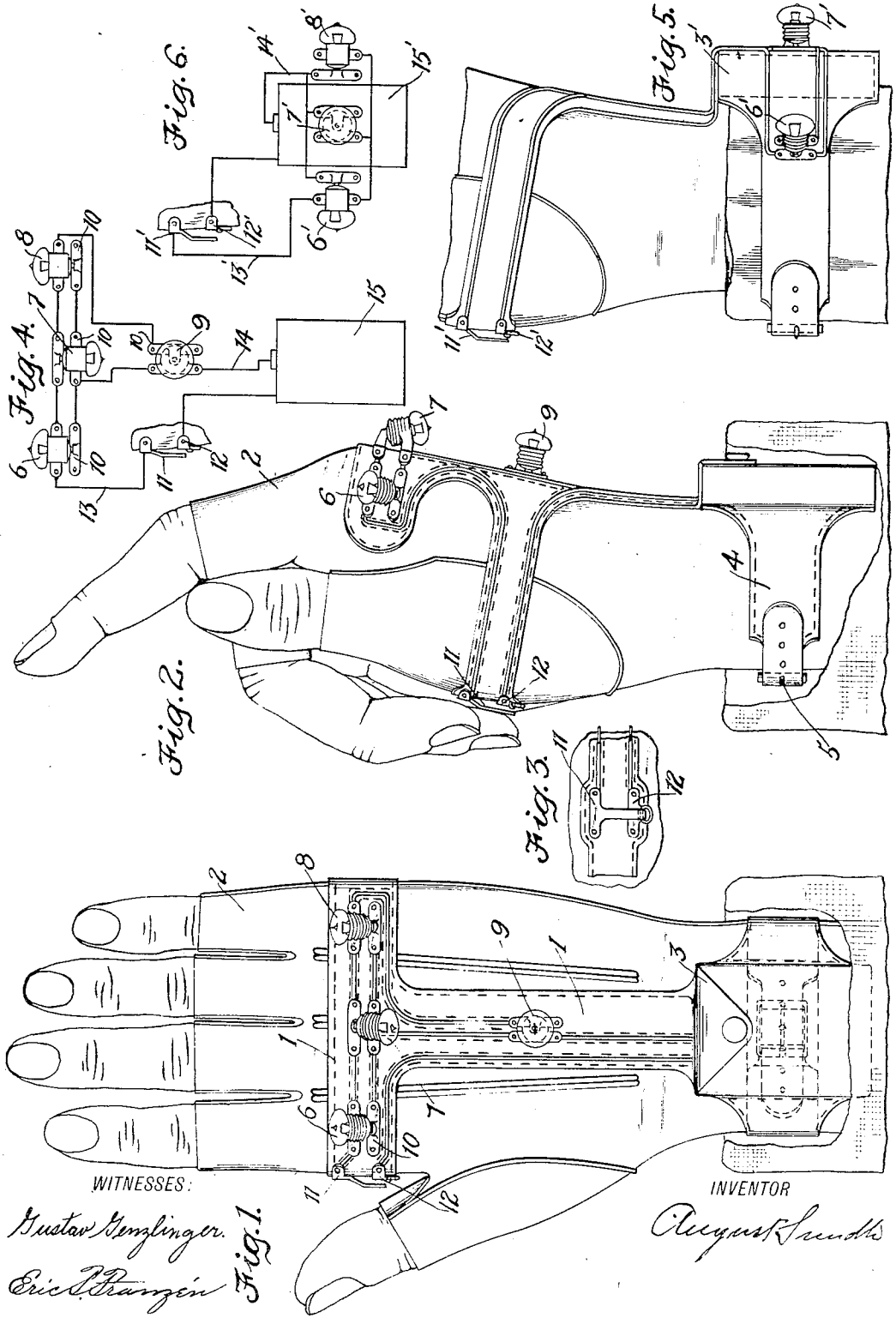
A. SUNDH.

PORTABLE LIGHT.

APPLICATION FILED NOV. 27, 1914.

1,230,943. Patented June 26, 1917.



WITNESSES:

Gustav Genzlinger.

Eric D. Ranzén

INVENTOR

August Sundh

UNITED STATES PATENT OFFICE.

AUGUST SUNDH, OF HASTINGS-UPON-HUDSON, NEW YORK.

PORTABLE LIGHT.

1,230,943. Specification of Letters Patent. Patented June 26, 1917.

Application filed November 27, 1914. Serial No. 874,160.

To all whom it may concern:

Be it known that I, AUGUST SUNDH, a citizen of the United States, residing in Hastings-upon-Hudson, in the county of Westchester and State of New York, have invented a new and useful Improvement in Portable Lights, of which the following is a specification.

My invention relates to improvements in portable lights.

The apparatus herein disclosed is especially adapted for the use of persons working around machinery, or in any place where portable lights are used; for the use of automobilists and trainmen; and for use in signaling.

Referring now to the drawings, in which like parts are designated by like characters.

Figure 1 is a plan view of my device attached to a glove; Fig. 2 is a side elevation of my device attached to a glove in the same way as in Fig. 1, except that the switch for operating the light is placed a little lower down on the hand in position for operation by the tips of the fingers instead of by the thumb; Fig. 3 is an elevation view of the switch; Fig. 4 is a wiring diagram for the devices of both Figs. 1 and 2; Fig. 5 is a modification, in elevation, in this instance the light being attached to the wrist; Fig. 6 is a wiring diagram for the device illustrated in Fig. 5.

Referring now to Fig. 1, a strip of flexible material, 1, such as leather for example, is sewn to a glove 2, or otherwise suitably secured to it. This strip extends transversely across the back of the glove, and also longitudinally of it toward the wrist. Secured to the end of this strip at the wrist of the glove, is a pocket 3 for a purpose hereinafter pointed out. The glove while here shown as being secured to the hand by means of a strap, 4, and buckle, 5, respectively, may be secured to the hand by any convenient manner, the method of fastening forming no part of the present invention. Secured to the strip, 1, where it runs transversely across the glove, I have shown electric lamps, 6, 7 and 8; and on the part of the strip, 1, running longitudinally of the glove I have shown another lamp 9. These lamps may be secured to the strip in any suitable way. I have merely shown their sockets 10 riveted to the strip, 1, and the bulb of the lamp screwed into the socket in the usual way. Attached to the strip, 1, in Fig. 1, in position to be operated by the thumb of the hand, and in Fig. 2, to be operated by the tips of the fingers, are contacts 11 and 12. The lamps are connected in parallel to each other and in series with a battery, 15, by suitably insulated conductors, 13, and 14 (see Fig. 4), the contacts 11 and 12 being in the circuit between the battery and the lamps, and adapted when engaged to complete the circuit for the lamps, which circuit otherwise is open. The battery, 15, which is the ordinary dry battery, is carried in the pocket 3 provided for that purpose at the wrist of the glove, and may readily be replaced at any time with another.

I have located the contacts 11 and 12 in two different positions, that is in Fig. 1, positioned to be operated by the thumb, and in Fig. 2 to be operated by the tips of the fingers.

In Fig. 5 I have shown a modification of the apparatus shown in Figs. 1 and 2. In this modification the lights instead of being located at the back of the hand are located at the wrist. With this arrangement I have only shown three lamps, 6′, 7′, and 8′, which are connected up in parallel to each other, and in series with a battery 15′ by conductors, 13′ and 14′, properly insulated. A pair of contacts 11′ and 12′ are provided in the circuit of the lamps to operate them by the fingers of the hand. The battery 15′ furnishing power for the lamps is carried in the pocket 3′ provided for that purpose at the wrist as with the arrangement shown in Figs. 1 and 2.

I have shown the lamps 6 and 8 in Figs. 1 and 2, facing in the general direction of the tips of the fingers when the fingers are extended; the lamp 7 in the same figures faces toward the wrist of the hand; and lamp 9 is perpendicular to the hand. It is to be understood that the positioning of the lights is merely a matter of choice or best practice, I merely having positioned them as shown in the drawings as being the best way to give an illumination in all directions.

What I claim is:—

1. In an illuminating device, the combination of a flexible support adapted to be carried on the hand, a plurality of electric lamp holders applied to said flexible support, electric lamps in said holders, the holders being applied on one side only of the

flexible support, but in such a position that some of the lamps will be inclined forwardly and others backwardly.

2. In an illuminating device, the combination of a support adapted to be carried on the hand, a plurality of electric lamp holders, lamps in the holders, the holders being so constructed and applied to the support that when the lamps are placed in the holders some of the lamps will be inclined forwardly, some backwardly and some vertically.

3. In an illuminating device, the combination of a support adapted to be applied to and carried on the hand, a plurality of electric lamps applied to said support, some of the lamps inclining backwardly and some forwardly, and arranged in parallel, and a battery for supplying current to said lamps.

4. In an illuminating device, the combination of a flexible support adapted to be applied to and carried on the hand and supported at the wrist by a buckle, a battery held in place intermediate the back of the buckle and said flexible support, a plurality of electric lamps carried by said support, some of the lamps being inclined forwardly and others backwardly, these lamps being arranged in parallel and receiving their current from said battery.

5. In an illuminating device, the combination of a flexible support adapted to be applied to and carried on the hand, a plurality of electric lamps applied to and carried by said support, some of the lamps being inclined forwardly, others backwardly and others vertically; a battery supplying current for said lamps and applied to said flexible support, a wrist support with a buckle for holding said battery cell, conductors for the current from the battery to the lamps, these conductors being embodied in said flexible support.

6. In an illuminating device, the combination of a flexible support adapted to be applied to and carried on the hand, a battery applied to said flexible support and supported by a wrist holder and a buckle, electric lamps applied to and carried on said flexible support, some of the lamps being inclined forwardly, others backwardly and others vertically, and receiving their energy from the said battery, conductors for conducting the current from the battery to the lamps, a switch extending across said conductors and positioned to be operated by the tip of a finger of the hand carrying the illuminating device.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

AUGUST SUNDH.

Witnesses:
JAMES G. BETHELL,
WALTER C. STRANG.