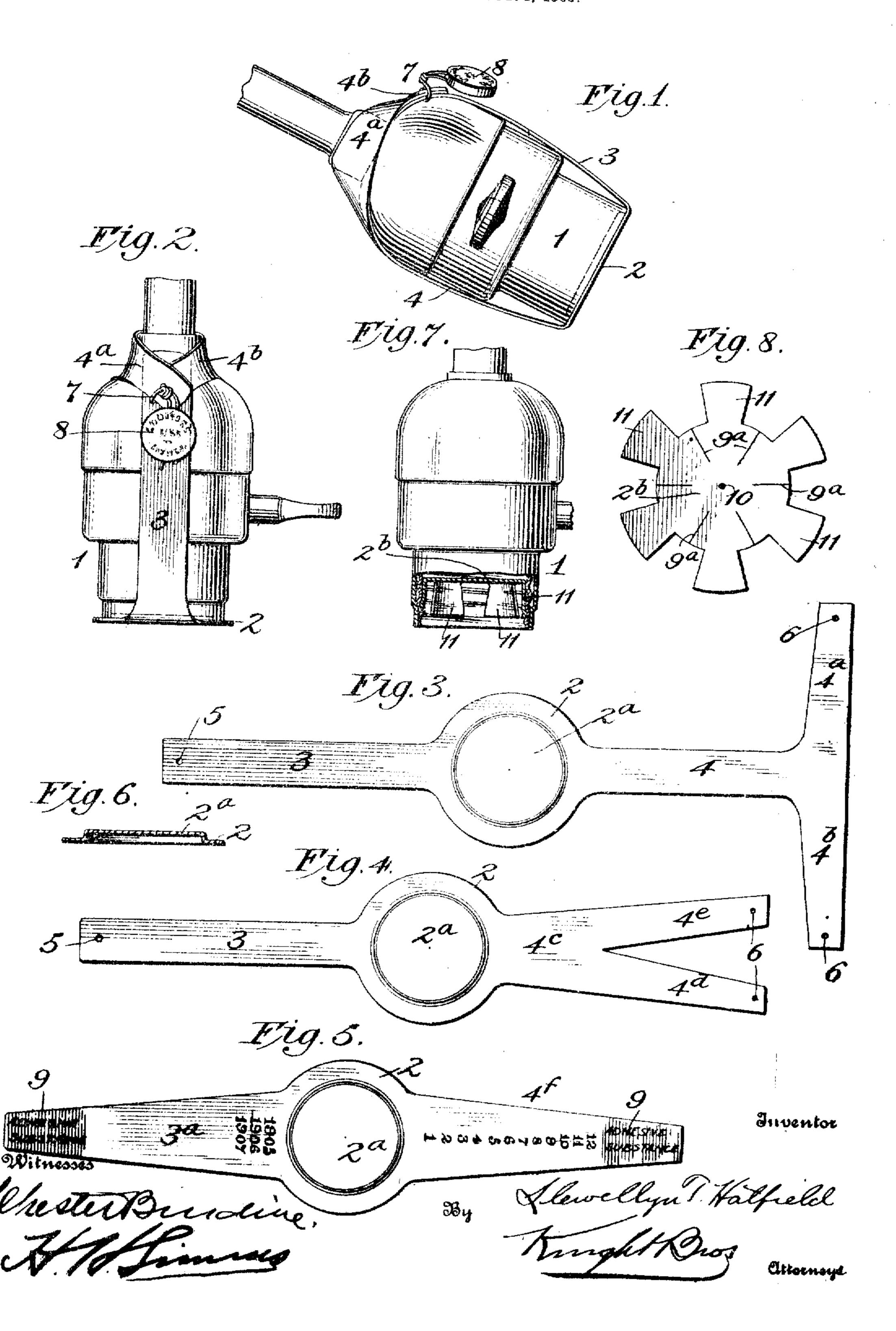
L. T. HATFIELD. SOCKET SEAL FOR ELECTRIC LAMPS, &c APPLICATION FILED OCT. 4, 1905.



UNITED STATES PATENT OFFICE.

LLEWELLYN T. HATFIELD, OF SACRAMENTO, CALIFORNIA.

SOCKET-SEAL FOR ELECTRIC LAMPS, &c.

No. 844,126.

Specification of Letters Patent.

Patented Feb. 12, 1907.

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To all whom it may concern:

Be it known that I, Llewellyn T. Hat-FIELD, a citizen of the United States, residing in Sacramento, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Sceket-Seals for Electric Lamps or the Like, of which the following is a specification.

This invention relates to socket-seals for

10 electric lamps or the like.

It is greatly to the advantage to both the electric current to have a flat rate per month | claims. or per week, and thus avoid the expense and use all, but will use higher-capacity lamps! view of the embediment shown in Fig. 7. 30 than the lamp constituting the standard if charge, so this situation heretafore has been objectionable and expensive, or charging for \ all the seckets. Further, it is often the case 35 that buildings with a large number of lamps, I tacts, I employ a barrier in the form of a disk where meters are used and no flat rate is in existence, that persons are left in charge for considerable periods of time under conditions that render it unnecessary to maintain 40 any considerable number of lights, but through carelessness, inadvertence, or design persons in charge may use a larger number of lights than is necessary, and by use of seals ! on all lamps not necessary for the persons so 45 occupying the building any unnecessary use can be prevented by the owner. This is so in large hotels, used either for summer or winter, as the case may be, and in many instances it is profitable to cut out all of the electric cur-50 rent rather than take chances on improvident or unnecessary use; but by this method

the lighting appliances could be kept in good

working order at all times and is perfectly

It is the object of my invention to over- 55 come the objection to both the above methods by providing a menns by which the seckets may be scaled against use, so that persons having a flat rate may temperarily cut out any number of lamps during any season of 60 the year without injury to their fixtures.

Other and further objects will appear in the following description and will be more supply company and the consumer of an | particularly pointed out in the appended

In the drawings, Figure 1 is a side view of 15 annoyance of meters; but one great difficulty | one embediment of my invention attached to in flat rate is that often consumers have a socker to close the socket against the insermore seckets or places than they need or I tion of the lamp-bulb. Fig. 2 is a like view really use, and then, again, during the summer | at right angles to the position shown in Fig. 1. 70 months in some places and winter months in | Fig. 3 is a plan view of the embediment 20 others, few, if any, seekets are used. For in- | shown in Figs. 1 and 2. Figs. 4 and 5 are stance, a family will only require hall, perch, | plan views of two other embediments of my and one or two other lights, and in offices, in | invention, these also preventing the insersummer-time, the lights are not used except | tion of the tolb. Fig. 6 is a transverse sec- 75 rarely and then for but a short time; but in I tim through any one of the embediments 25 self-protection companies supplying elec- | shown in Figs. 1 to 5. Fig. 7 is a side view of tricity must charge for every seeket, for a seeket partially broken away to show an there are very many people who will claim to | embediment of my invention permitting thes only use a given number, but will not only | insertion of the plug, and Fig. 8 is a plan 80

Referring more particularly to the drawings, and to Figs. I to 6, I indicates the usual met by either removing the fixtures, which is a socket for electric lights or other entrent-consuming device having the usual contacts 85 within. To prevent access to these con-2, having a projection fitting within the socket to prevent lateral movement of the disk and formed by stamping a concavo-con- 90 vex portion 2ª from the disk itself, the remaining portion of the disk abutting the rim of the socket. The embodiment shown in Figs. 1 to 3 is made of any kind of flexible metal and has a pair of arms 3 and 4 ex- 95 tending from opposite sides of the disk, the arm 3 being provided with a perforation 5 and the arm 4 having a pair of supplemental arms 4a and 4b extending at right angles thereto and provided with perforations 6. 100 The main arms are adapted to be bent upon the sides of the socket, and the supplemental arms are bent around the socket at the upper end and are secured to the main arm 3 by

means of a wire 7, held by a seal 8, containing | 1. A scaling device for electric sockets for preventing the removal of the barrier except boontages in said sockers, comprising a closure upon the destruction of the seal. The cm-\{\} constructed to close the open end of the 5 bodiment shown in Fig. 4 is the same as that | socket against admission of the contacting mental arms 4d and 4d. The embodiment | sure in closing relation to the socket and preshown in Fig. 5 is to be made of paper, papier- | venting the removal of said closure except to maché, or any material that will show injury | upon destroying a portion of the device. or destruction by removal. The arms 3a and 1 2. A scaling device for electrical sockets

15 ing, which will expose the work. said barrier to the socket. 20 is of a size to fit within the socket and is pro- | means for securing said barrier to the socket. vided with radial slits 9^a and a central performal A. A scaling device for electrical sockets each between a pair of slits, are extensions I closure for the socket and to engage there-25 enough to permit the extensions 11 when means for establishing electrical connection the inner wall of the socket and prevent the means for securing said barrier to the socket. 90 removal of the disk. To remove this device, 5. A scaling device for electrical sockets a hooked or pointed tool is introduced into a comprising means constructed to fit within 30 the perforation 10, and the device is then the seeket and prevent bringing the conduc-35 the plug of the lamp or other device; but cur- bremoval of the same except upon the derent cannot be obtained, as the disk is either, struction of the scaling means. 40 This form may also be made of paper, papiers | consuming device with the socket-contacts, maché, or similar material, and in this case, and a seal securing the first-named means in the edges of the extensions 11 may be gummed | place. to the inner wall.

45 used should contain matter indicating the prevent electrical connection with the socketdate of sealing could be punched by a dis- | first-named means to the socket. tinctive punch, so that the device could not | 8. In combination with an electrical

only way to secure current from the socket to | securing means for the barring means, and a 115 which my invention has been applied is to seal for the securing means. destroy a part or the whole of it. In this 9. A scaling device for electrical sockets 55 way should they be tampered with in any | comprising means preventing the insertion manner the supply company upon inspec- of a current-consuming device in a socket, tion would find out. The penalty for destruction of the device would form part of the contract between the consumer and the com- | comprising a disk formed to fit the socket, oo pany.

Having thus described my invention, what I claim, and desire to secure by Letters Pat-

ent. is---

distinctive marks, thus providing a means | preventing electrical connection with the 65 shown in Figs 1 to 3, except that the main | device sought to be introduced within the arm 4° is bifuscated to provide two supple- | socket, and means for securing the said clo- 70

4 will be provided with glue or other cemen-| comprising a barrier formed to be attached 75 titious material 9 and are to be pasted on the boaksocket, to prevent electrical connection side of the socket to be removed by moisten- | with the socket-contacts, and a seal securing

For those who prefer to leave the lamps in 3. A scaling device for electrical sockets the sockets to retain the appearance of the | comprising a barrier formed to be attached to 80 lamp the embodiment shown in Figs. 7 and 8 | a socket, to prevent electrical connection is devised. In this embodiment the disk 2^b with the socket-contacts, and destructible

ration 10. Extending radially from the disk, | comprising a barrier constructed to form a 85 11. This form may be made of metal stiff, with in position to prevent introduction of bent at an angle to the disk to expand against | with the sucket-contacts, and destructible

pulled out. In being pulled out it is, owing | tors of a current-consuming device into electo the radial slots, destroyed to such an ex- | trical connection with the socket-contacts, 95 tent that further use is impossible. The ex-| and sealing means for securing said firsttensions do not interfere with the insertion of | named means in position and preventing the

covered with insulating material on the face [6. A sealing device for electrical sockets 100 exposed to the inner contact of the socket or i comprising means to fit within the socket to the disk is spaced from the said inner contact. | prevent electrical connection of a current-

7. A scaling device for electrical sockets The device when the metallic scal is not comprising means to fit within the socket to months of the year, as shown in Fig. 5, also | contacts, and flexible members extending matter indicating a number of years, and the I from said first-named means to hold the said 110

50 be removed and another inserted in its place. | socket, means barring said socket against the In all embodiments it will be seen that the introduction of current-consuming means,

and a seal for holding said means.

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10. A senling device for electric sockets and prevent electrical connection with the contacts thereof, and a seal for holding the disk to the socket.

11. A device of the class described, com-

prising a disk having a projection adapted to fit within a socket, and arms extending from said disk.

12. A device of the class described, com-5 prising a disk having a projection adapted to fit within a socket, arms extending from said disk, and a seal secured to the arms.

13. The combination of means for preventing a contact of an electrical lamp-plug 10 or the like engaging a contact in a socket, Doris M. Krueger.

and a seal preventing the removal of said means except upon destruction.

The foregoing specification signed at Sacramento, California, this 25th day of September, 1905.

LLEWELLYN T. HATFIELD.

In presence of— MAURICE E. FINN,