

(No Model.)

J. F. MUNSIE.
BINDING POST.

No. 426,204.

Patented Apr. 22, 1890.

FIG. 1.

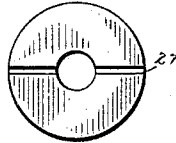


FIG. 2.

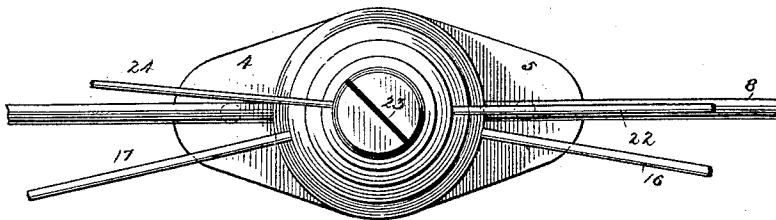


FIG. 3.

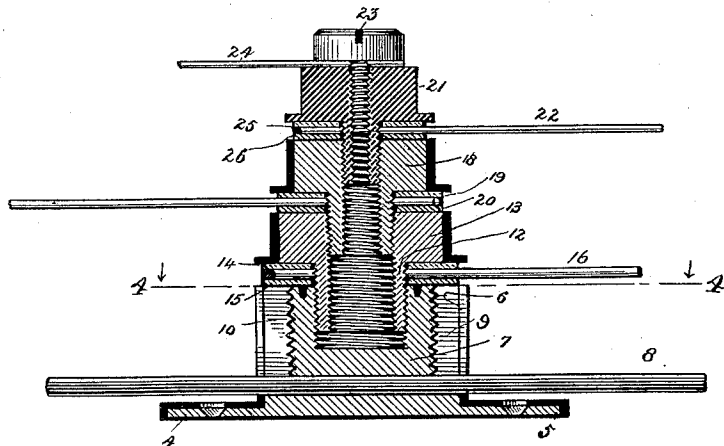
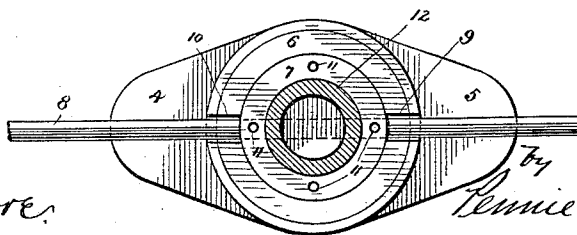


FIG. 4.



Witnesses

H. W. Elmore,
M. M. Westafex.

Inventor

JAMES F. MUNSIE,

By Lemmie Goldborough,
Attorneys

UNITED STATES PATENT OFFICE.

JAMES F. MUNSIE, OF BROOKLYN, ASSIGNOR TO THOMAS L. COLES, OF NEW YORK, N. Y.

BINDING-POST.

SPECIFICATION forming part of Letters Patent No. 426,204, dated April 22, 1890.

Application filed January 17, 1890. Serial No. 337,248. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. MUNSIE, a British subject, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Distributing Binding-Posts for Electrical Conductors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in distributing binding-posts for electrical conductors, and is designed to provide a simple, compact, and inexpensive device from which the principal or main current from any suitable electric source may be distributed to lamps or other translating devices along the line, and which will also serve as an attachment-point for "dead" wires or wires temporarily out of service.

In the accompanying drawings, illustrative of my invention, Figure 1 represents a top view of one of the screw-plugs employed in connection with my invention. Fig. 2 represents the complete device in plan. Fig. 3 represents the same in vertical central section and partial elevation, and Fig. 4 represents a section on the line 4 4 of Fig. 3.

Similar numerals of reference indicate similar parts throughout the several views.

The distributing device consists, primarily, of a metallic base or main body portion having flanges 4 5, whereby it may be conveniently attached by screws or the like to a suitable support at the point from which the distribution is to be made. This main body portion consists of an outer shell 6 and an inner core 7, adapted to be screwed down into the same upon the line-wire 8, so as to make good electrical contact therewith. To secure this result the sides of the shell 6 are recessed or cut away, as shown at 9 10, so as to permit the line-wire to be inserted within said recesses. The core 7 is then screwed down upon the line-wire by means of a spanner-wrench, whose pin projections enter the holes 11 of the core 7.

The core 7 is internally screw-threaded, as

shown, for the reception of the screw-threaded stem 12 of the screw-plug 13. Surrounding said stem loosely are the metallic washers 14 15, adapted to receive between them one of the distributing-wires, as 16, leading to an electric-light or other translating device. The presence of these washers lessen the liability of the wire 16 to abrasion when the plug 13 is screwed down, and also distributes and equalizes the clamping-pressure upon the wire when the screw-thread joint becomes worn.

The distributing-wire 17 is brought into electrical connection with the base and consequently with the line-wire 8 by means similar to those described, the metallic screw-plug 18 corresponding in construction and operation to the metallic screw-plug 13, and the metallic washers 19 20 to the metallic washers 14 15. In like manner additional screw-plugs and washers may be superimposed one upon the other, according to the exigencies of the use for which the distributing device is to be employed. In all instances, however, it will be preferable to form the outermost hollow screw-plug 21 (for the distributing-wire 22) of hard rubber, vulcanite, or similar insulating material, so that the cap-screw 23, which is to be made, preferably, of like insulating material, may serve to clamp in place such dead wires, as 24, as are temporarily not in use. The washers 25 26 for the conductor 22 are of course of metal.

For purposes of convenience and safety I provide the metallic screw-plugs 13 18, and also the base portion of the distributing device, with a coating or covering of insulating material, as indicated more clearly in Fig. 3. The tops of the screw-plugs are provided with a cross-slot 27, as shown in Fig. 1, for engagement with a screw-driver, should it be found necessary to employ one.

The operation of the device will be readily apparent from the description hereinbefore given of the arrangement and construction of parts. By loosening up or unscrewing either of the plugs 13, 18, or 21 the corresponding distributing-wire may be detached, thereby breaking its electrical connection with the line-wire, and the detached wire may then

for convenience be clamped to the device by the insulating cap-screw 23 until again desired for use.

5 The entire device will be found of especial utility in distributing-stations and in buildings where it is important to economize space and to secure a compact and orderly arrangement of the circuits.

10 Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

15 1. A distributing device for electrical conductors consisting, of a base of conducting material adapted to be connected to the line-wire, and a series of screw-plugs of conducting material fitting one within the other and adapted to clamp distributing-wires between them, substantially as described.

20 2. A distributing device for electrical conductors, consisting of a base of conducting material adapted to be connected to the line-wire, and a series of screw-plugs of conducting material fitting one within the other and adapted to clamp distributing-wires between them, an outer screw-plug of insulating material, and a cap-screw for clamping dead wires to said insulating screw-plug, substantially as described.

30 3. A distributing device for electrical conductors, consisting of a base of conducting material adapted to be connected to the line-wire, and a series of screw-plugs of conducting material fitting one within the other and adapted to clamp distributing-wires between

them, and metallic washers located between the screw-plugs, substantially as described. 35

4. A distributing device for electrical conductors, consisting of a base formed of an outer shell recessed for the passage of the line-wire, and an inner core screwing down upon said line-wire and a series of screw-plugs of conducting material fitting one within the other and adapted to clamp distributing-wires between them, substantially as described. 40

5. A distributing device for electrical conductors, consisting of a base of conducting material adapted to be connected to the line-wire, and a series of screw-plugs of conducting material fitting one within the other and adapted to clamp distributing-wires between them, an outer screw-plug of insulating material, and a cap-screw for clamping dead wires to said insulating screw-plug, the base and metallic screw-plugs having a protective insulating-covering, substantially as described. 45 50 55

6. A compound binding-post provided with conducting-connections for live wires and an insulating-connection for dead wires, substantially as described. 60

In testimony whereof I affix my signature in presence of two witnesses.

JAMES F. MUNSIE.

Witnesses:

JOHN C. PENNIE,
H. B. ZEVELY.