To all whom it may concern:

Be it known that I, GLENN RANDOLPH WIMBISH, a citizen of the United States, residing at Hayden, in the county of Gila and State of Arizona, have invented certain new and useful Improvements in Electrified Wire-Mesh Screens, of which the following is a specification.

My invention relates to electrified wire-mesh screens, and more particularly to a type of electrified wire mesh screens for windows.

The object is to provide a means whereby current of any desired kind or strength will enter the body of an insect or animal attempting to pass through or come in contact with the live wires forming the said mesh.

A further object is to provide a window screen to all appearances similar to an ordinary screen, but one capable of being charged at will with an electric current of any desired strength, kind or source.

In the preferred form I have here shown, Figure 1 is a view of the inside of a window fitted with my type of screen, wherein the current supplying means is diagrammatically shown. Fig. 2 is an enlarged view of a screen fitted with an operative form of my improvement, and Fig. 3 is a sectional view of Fig. 2.

Referring to the several parts by numerals, 1 is a wire mesh screen having uninsulated wire sets 2 and 3, the former wire being electrically connected at opposite ends to a conducting means 4, and an insulating means 5, the latter mentioned wire being similarly connected to similar means 6 and 7. The conducting means 4 and 6 are disposed on opposite sides of the screen as shown and insulated therefrom. Electrical contact shoes 8 and 9 are provided for supplying current from the power line 10, the numeral 11 representing the battery and 12 a cutout switch. The wires 13 or the ones disposed vertically in the drawing are insulated to prevent short circuit. The insulated and the uninsulated wires are woven similarly to an ordinary wire screen as shown, the operation of the device being to form an electrical short circuit through the body of anything attempting to force its way through the mesh or that may come in contact with two live wires of opposite polarity.

It will be obvious that the shoes have slidable contact with the respective strips 4 and 6 to the end that the screen may be raised and lowered without breaking the charging circuit.

I claim—

1. In a wire mesh screen, conducting strips extending on both vertical sides of the said screen, a plurality of parallel uninsulated wires each having one end connected to a conducting strip, alternate wires being connected to opposite strips, insulating material disposed beneath the said conducting strips the free ends of the said wires being secured to the said insulating material, a plurality of insulated wires disposed at right angles to the uninsulated wires and interwoven therewith, and contact shoes having electrical supply wires of opposite polarity connected thereto, the said shoes being in slidable electrical contact with the said positive and negative conducting strips.

2. In a device of the class described, a moveable screen; conducting strips thereon; wires having one end only connected to one of these strips, alternate wires being connected to opposite strips, shoes bearing slidably upon the strips, to permit a movement of the screen; an electrical circuit for which the shoes constitute terminals; and a source of current supply interposed in the circuit.

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

GLENN RANDOLPH WIMBISH.

Witnesses:
R. I. EZELL,C. A. HURST.