

W. E. D. STOKES, JR. & G. W. DAVIS.
AERIAL FOR WIRELESS TELEGRAPHY AND TELEPHONY.
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1,001,227.

Patented Aug. 22, 1911.

Fig. 1.

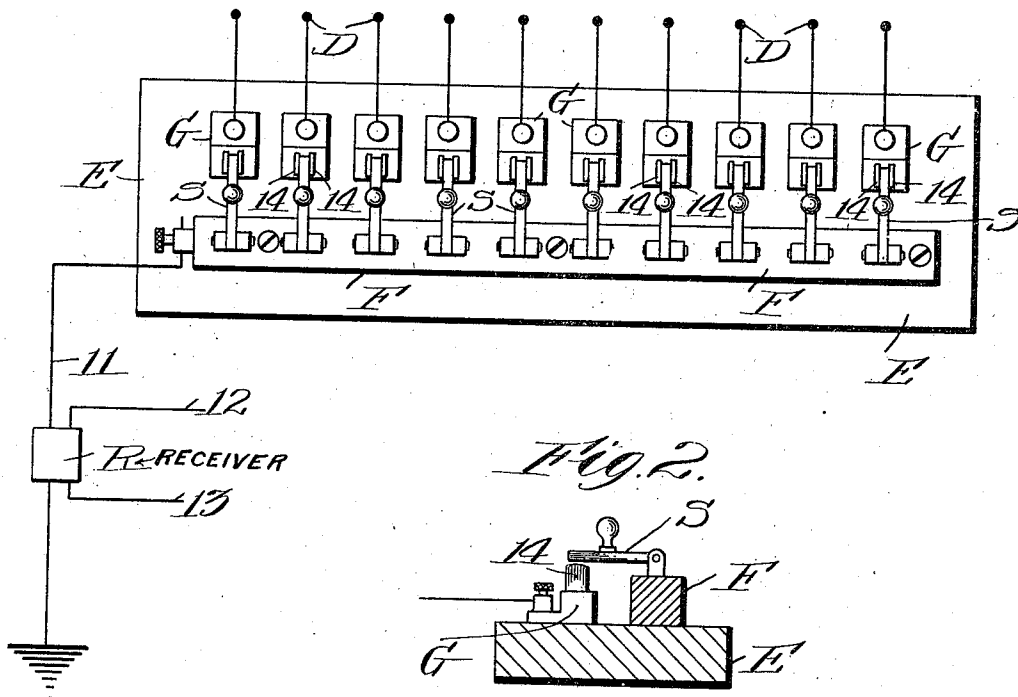


Fig. 2.

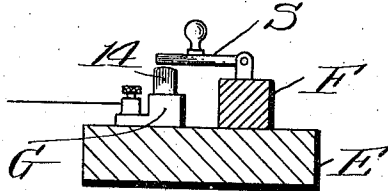
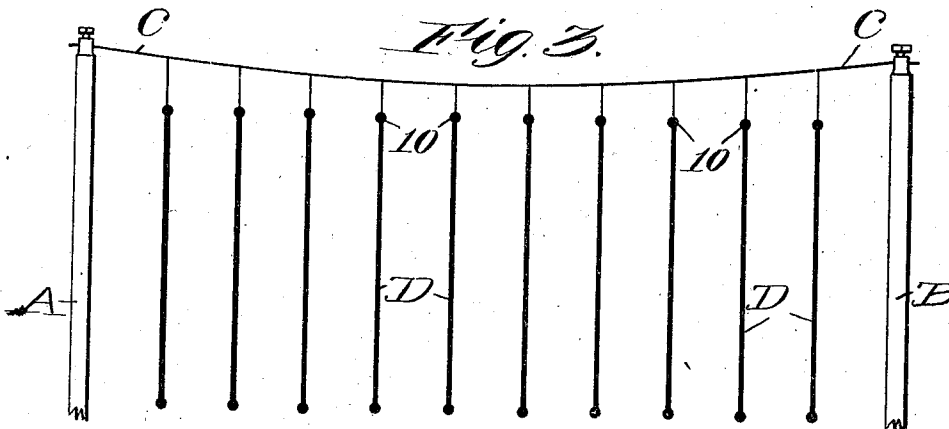


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM E. D. STOKES, JR., OF NEW YORK, N. Y., AND GEORGE W. DAVIS, OF GALILEE, NEW JERSEY, ASSIGNORS TO WILLIAM E. D. STOKES, OF NEW YORK, N. Y.

AERIAL FOR WIRELESS TELEGRAPHY AND TELEPHONY.

1,001,227.

Specification of Letters Patent. Patented Aug. 22, 1911.

Application filed October 9, 1908. Serial No. 457,012.

To all whom it may concern:

Be it known that we, WILLIAM E. D. STOKES, Jr., and GEORGE W. DAVIS, citizens of the United States, residing at New York, in the county of New York and State of New York, and at Galilee, in the county of Monmouth and State of New Jersey, respectively, have invented a new and useful Aerial for Wireless Telegraphy and Teleph-
10 ony, of which the following is a specification.

The object of this invention is to provide a simple aerial and switching device so that the aerial can be quickly adjusted to receive the proper wave.

15 The device is illustrated in the accompanying drawing, in which—

Figure 1 is a plan view of the adjusting or switching device; Fig. 2 is a side elevation of one of the switches; and Fig. 3 is
20 a front elevation of the construction of the aerial.

Referring to the drawing and in detail, A and B represent two posts, strung between which is a wire C which carries a number of vertical wires D which are insulated from the rope or wire C by suitable
25 insulators 10.

E designates a base-piece of insulating material, secured on which is a metallic bar F which is connected by wire 11 to a receiving device R, from which wires 12 and 13 of the receiving circuit are led. The base E is provided with a number of posts G having ears 14. As many posts G are provided as aerial wires D are employed, and
35 each aerial wire D is connected to its own post G.

Pivoted to the metallic rod or bar F are knife switches S, each of which can be
40 snapped down into the arms 14—14 of a post G. By turning down as many switches S as desired, as many of the aerals D can be operatively connected to the wire 11 as desired, and the aerial can be quickly ad-
45 justed to receive different waves, and a great many combinations obtained.

The details and arrangements herein

shown and described may be greatly varied by a skilled mechanic without departing from the scope of our invention as expressed
50 in the claims.

Having thus fully described our invention, what we claim and desire to secure by Letters-Patent is—

1. The combination in an aerial of two 55 vertical points of support, a wire between the same, a series of vertically arranged wires standing in a plane, and a switching device by which any of said aerial wires alone can be connected to the receiving cir-
60 cuit.

2. In an aerial, the combination of two vertical points of support, a wire or rope connecting the same, a plurality of vertically arranged wires depending therefrom 65 and insulated from the supporting rope or wire, a switching device carrying a number of knife switches, a plurality of posts having ears for said switches to engage a post being provided for and connected to each 70 vertical wire of the aerial, and a receiving circuit connected to the switches, whereby the number of vertical wires operating in the aerial can be adjusted.

3. In an aerial, the combination of two 75 vertical masts, a rope or wire connecting the same, a plurality of vertical wires suspended by said rope or wire and insulated therefrom, a switching device comprising a base, a metallic bar secured to said base, a 80 post on said base for each vertical wire, contact arms carried by said posts, knife switches arranged on the metallic rod or bar for engaging said posts, and a receiving circuit connected to said rod or bar. 85

In testimony whereof we have hereunto set our hands, in the presence of two subscribing witnesses.

WILLIAM E. D. STOKES, JR.
GEORGE W. DAVIS.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."