

L. CHODAKOWSKI,
WIRELESS TELEGRAPH POLE.
APPLICATION FILED DEC. 22, 1917.

1,285,940.

Patented Nov. 26, 1918.

FIG. 1.

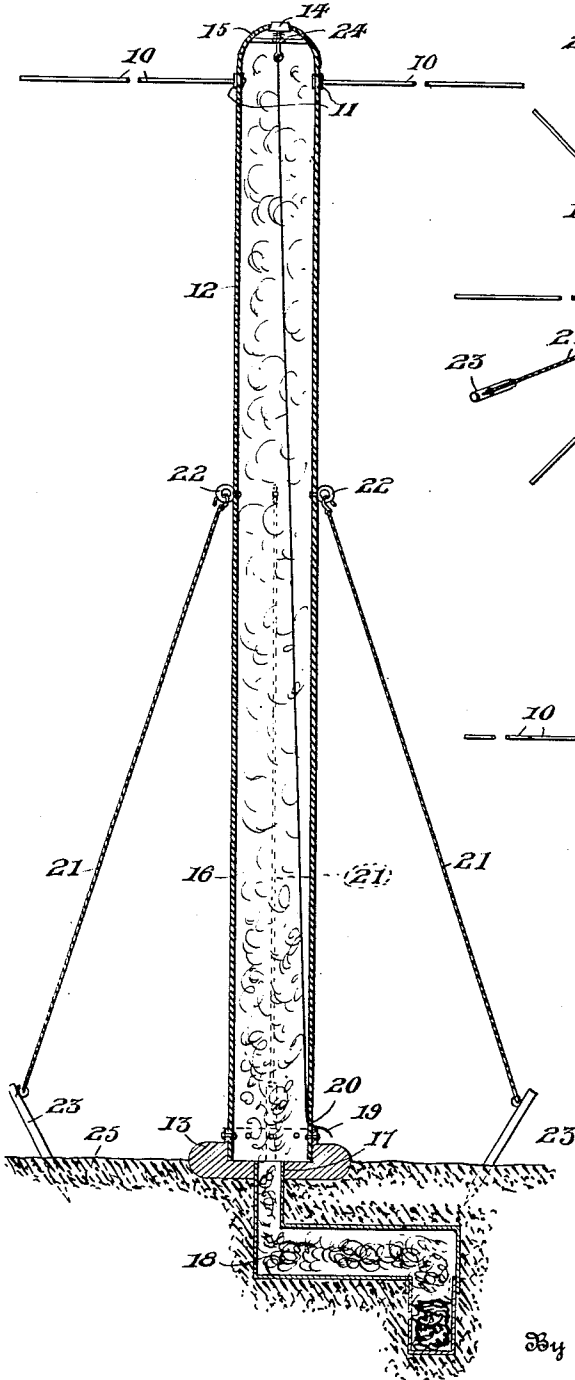


FIG. 2.

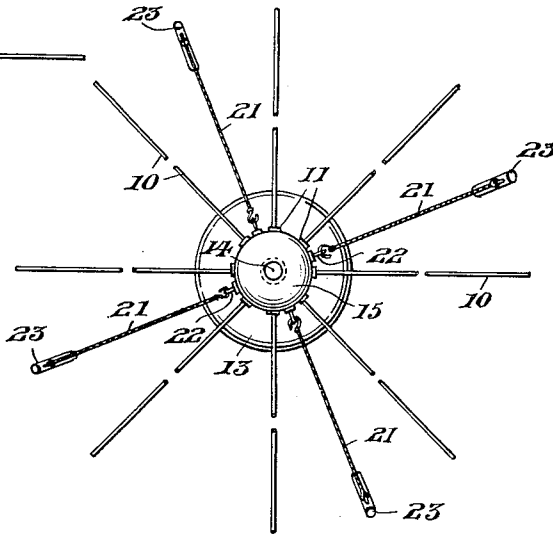
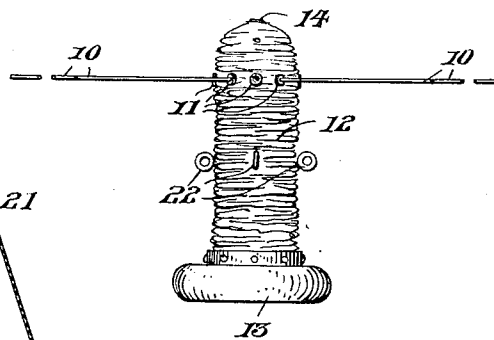


FIG. 3.



Inventor
L. Chodakowski

By *A. M. Wilson*,
Attorney

UNITED STATES PATENT OFFICE.

LEON CHODAKOWSKI, OF BINGHAMTON, NEW YORK.

WIRELESS-TELEGRAPH POLE.

1,285,940.

Specification of Letters Patent.

Patented Nov. 26, 1918.

Application filed December 22, 1917. Serial No. 208,481.

To all whom it may concern:

Be it known that I, LEON CHODAKOWSKI, citizen of Russia, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Wireless-Telegraph Poles, of which the following is a specification.

This invention relates to certain new and useful improvements in a wireless telegraph pole.

The primary object of the invention is the provision of a collapsible pole especially adapted for mounting the aerial of a wireless telegraph system, the device being of simple construction and easily operated when desired.

A further object of the invention is the provision of a pole especially adapted for temporary erection for such purposes as providing a mounting pole for the aerial wires of a wireless telegraph plant employed in the army, where it is often required to quickly erect a wireless station, the structure of which will occupy the minimum amount of space when being transported.

The invention broadly provides a flexible and inflatable bag adapted for arrangement in pole formation when inflated and carrying wires or rods near the top thereof serving as the aerial of the wireless telegraph system, the device being readily filled with gas and emptied when desired.

In the drawing forming a part of this application and in which like designating characters refer to corresponding parts throughout the several views,

Figure 1 is a vertical central sectional view taken through the device in its operative arrangement.

Fig. 2 is a top plan view thereof and

Fig. 3 is a side view of the device in its folded arrangement.

It is considered necessary in arranging a wireless telegraph station to have elevated rods or wires for receiving and transmitting messages and the present device provides such aerial wires 10 secured as at 11 to an elongated gas bag 12 adapted to form a supporting pole.

The bag or pole 12 is of tubular formation formed of flexible gas-proof linen or similar material and is arranged with a weighted mounting base 13 at its opened end and with an outlet valve 14 at its closed end 15, the latter end forming the top of the pole when the same is in its

operative upright position. The bag 12 may be inflated by filling the same with gas 16 in any desirable manner such as by placing the central opening 17 of the base 13 in communication with a gas line 18 employed for inflating balloons. The gas supplying member 18 is illustrated as positioned beneath the surface of the ground 25 and while gas is preferable for inflation purposes, it will be understood that compressed air may be employed if found desirable.

The pull cord 19 is attached to the valve 14 within the bag 12 and extends outwardly thereof at any desirable point such as 20 adjacent the base 13 so that by pulling the cord 19, the valve 14 will be opened permitting the escape of the gas 16 and causing the bag 12 to fall or collapse for readily folding in compact arrangement as indicated in Fig. 3 of the drawing. Any desired number of guy-wires 21 may be employed for the pole detachably connected to rings 22 carried by the pole and having stakes 23 for driving into the ground.

When it is desired to establish a telegraph station, the base 13 of the folded bag is placed over the gas line 18 and the gas entering the bag 12 inflates the same to its elevated position, it being understood that a spring 24 normally holds the valve 14 closed. Inflation of the bag also lifts the rings 22 to the wires 21, it being apparent that when the valve 14 is opened by pulling upon the cord 19, the escape of the gas from the bag permits the bag to collapse for being readily transferred from place to place. The guys 21 assist to maintain the pole in an upright position while the force of the gas is designed for maintaining such position of the pole. A serviceable adjunct for a wireless telegraph station for army use is provided, being one that is easily and cheaply manufactured and is readily set up for use when required.

What I claim as new is:—

1. A wireless telegraph pole comprising an elongated gas bag, having an open and a closed end, a mounting base for the open end of the bag, wires for the telegraph system carried adjacent the closed end of the bag and a normally closed valve at the closed end of the bag operable from adjacent the said base.

2. A wireless telegraph pole comprising an elongated bag of gas-proof material, a mounting base at one end of the bag having

- an opening adapted for receiving inflating gas for the bag, a normally closed valve at the other end of the bag, a pull cord attached to the valve and extending to a point exteriorly of the bag adjacent the said base, radially projecting telegraph wires carried by the bag adjacent the valved end thereof.
- 5 3. A wireless telegraph pole comprising an elongated bag of gas-proof material, a mounting base at one end of the bag having an opening adapted for receiving inflating gas for the bag, a normally closed valve at the other end of the bag, a pull cord attached to the valve and extending to a point exteriorly of the bag adjacent the said base, radially projecting telegraph wires carried by the bag adjacent the valved end thereof, rings carried by the bag, guy ropes detachably connected to the said rings and a gas supplying means arranged adjacent the base and extending within the opening thereof.
- 10 In testimony whereof I affix my signature.
- LEON CHODAKOWSKI.
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