

16. Wireless station apparatus comprising an antenna upon one side of the apparatus extending into the earth and insulated from the latter, a capacity upon the other side of the apparatus, detecting means having one terminal connected with said antenna, a second capacity connected with the other terminal of said detecting means, an inductance connected between said antenna and the first mentioned capacity and a second inductance connected between said detecting means and said second capacity.

17. Wireless station apparatus comprising an antenna upon one side of the apparatus extending into the earth and insulated from the latter, a capacity upon the other side of the apparatus, detecting means having one terminal connected with said antenna, a second capacity connected with the other terminal of said detecting means, and adjustable inductance connected between said antenna and the first mentioned capacity and a second adjustable inductance connected between said detecting means and said second capacity.

18. Wireless station apparatus comprising an antenna upon one side of the apparatus extending into the earth and insulated from the latter, an aerial antenna upon the other side of the apparatus, detecting means having one terminal connected with said antennæ, a capacity connected with the other terminal of said detecting means, an inductance connected between said antennæ and a second inductance connected between said capacity and detecting means.

19. Wireless station apparatus comprising an antenna upon one side of the apparatus extending into the earth and insulated from the latter, an aerial antenna upon the other side of the apparatus, detecting means having one terminal connected with said antennæ, a capacity connected with the other terminal of said detecting means, an adjustable inductance connected between said antennæ and a second adjustable inductance connected between said capacity and detecting means.

20. In a system for the wireless transmission of intelligence, the combination with sending apparatus, of a wave receiving apparatus, and an antenna connected to the wave

apparatus between the apparatus and the earth, extending into the earth and insulated from the latter.

21. In a system for the wireless transmission of intelligence, the combination with sending apparatus of receiving apparatus, each of said apparatus comprising an antenna upon one side of the apparatus extending into the ground and insulated from the latter and a capacity upon the other side of the apparatus.

22. In a system for the wireless transmission of intelligence, the combination with sending apparatus of receiving apparatus, each of said apparatus comprising an antenna upon one side of the apparatus extending into the ground and insulated from the latter, a capacity upon the other side of the apparatus, and an inductance connected between said antenna and said capacity.

23. In a system for the wireless transmission of intelligence, the combination with sending apparatus of receiving apparatus, each of said apparatus comprising an antenna upon one side of the apparatus extending into the ground and insulated from the latter, a capacity upon the other side of the apparatus, and an adjustable inductance connected between said antenna and said capacity.

24. In a system for the wireless transmission of intelligence, the combination with sending apparatus of receiving apparatus, each of said apparatus comprising an aerial antenna on one side of the apparatus and antenna on the other side of the apparatus extending into and insulated from the ground.

25. In a system for the wireless transmission of intelligence, the combination with sending apparatus of receiving apparatus, each of said apparatus comprising an aerial insulated antenna on one side of the apparatus combined with antenna on the other side of the apparatus extending into and insulated from the ground.

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

JOSEPH MURGAS.

Witnesses:

W. L. RAEDER,
K. E. FERRY.