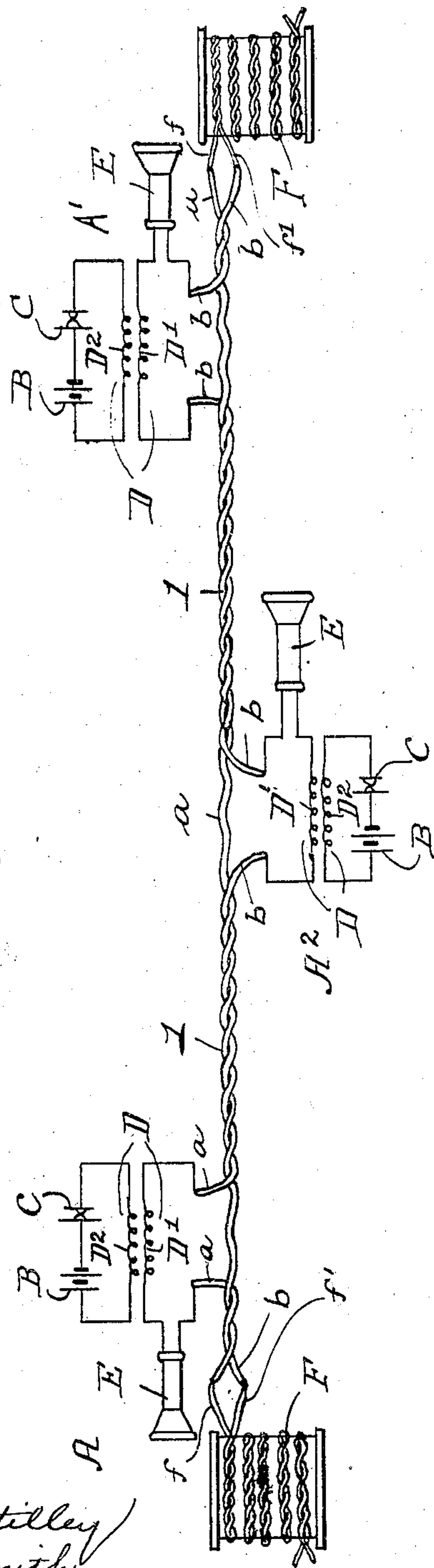


No. 889,788.

PATENTED JUNE 2, 1908.

I. KITSEE.
ELECTRIC TRANSMISSION OF INTELLIGENCE.
APPLICATION FILED OCT. 28, 1905.



WITNESSES:

Edith R. Stille
Mary C. Smith

INVENTOR.

I. Kitsee

UNITED STATES PATENT OFFICE.

ISIDOR KITSEE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO WILLIAM J. LATTA, OF PHILADELPHIA, PENNSYLVANIA.

ELECTRIC TRANSMISSION OF INTELLIGENCE.

No. 889,788.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed October 28, 1905. Serial No. 284,901.

To all whom it may concern:

Be it known that I, ISIDOR KITSEE, citizen of United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Electric Transmission of Intelligence, of which the following is a specification.

My invention relates to an improvement in electric transmission and has more special reference to the transmission of intelligence with the aid of telephonic devices. Its object is, to make possible communications between stations more or less remote from each other through conductors inductively related but conductively separated from each other.

The drawing represents in diagrammatic view a system of telephony embodying my invention.

1 is the line of transmission comprising two conductors insulated from each other but inductively related by being in intimate twist with each other. These two conductors are designated by the letters *a* and *b* respectively. To this circuit are connected the terminal stations A and A' and the intermediate station A². The line is left open at both terminal stations and at each of these stations the wires *a* and *b* are connected to the device F comprising the wires *f* and *f'*. The intermediate station A² is connected in series as to the wire *b*. Each of the stations com-

prises here the battery B, the telephonic transmitter C and the induction coil D; the primary D² connected locally to said battery and transmitter and the secondary D' connected to the line of transmission with the interposition of the receiver E.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A line of transmission, a series of transmitting and receiving stations for said line, the line comprising two conductors twisted in intimate relation, the stations in series between one of said conductors, in combination with terminals for said line, said terminals comprising twisted wires inductively related to, but conductively independent from each other.

2. In electric transmission, a line comprising two conductors inductively related to, but conductively independent from each other, a series of stations for said line and two terminal devices for said line, each of said devices comprising two conductors conductively independent from each other, but inductively related to each other.

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

ISIDOR KITSEE.

Witnesses:

EDITH R. STILLEY,
MARY C. SMITH.