

ELECTRICITY — 100 YEARS AGO

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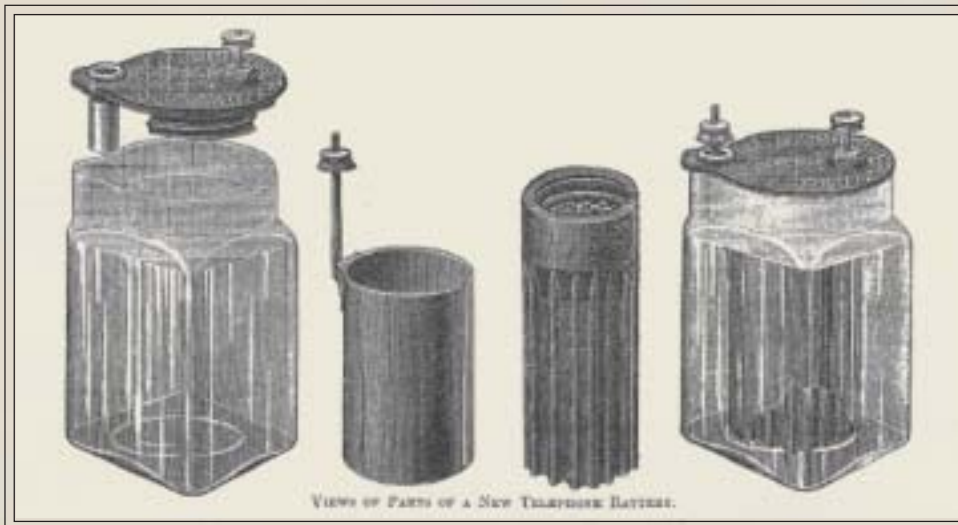
A NEW TELEPHONE BATTERY

The accompanying illustrations show a new telephone battery just placed upon the market by Western Electrical Supply Company of St. Louis. This battery has been specially designed for telephone work, and the minor details of construction, which are so often overlooked, have been considered with great care. For instance, the carbon binding-post doesn't protrude through the carbon, thus allowing corrosion to gradually spoil the connection, but is tightly screwed in through the top and then made secure with hot solder. This makes a connection which can not corrode and one that will not work loose. The carbon cylinder is not filled with the granulated carbon and oxide of manganese through the bottom of the carbon and then sealed, but is screwed to the cover in such a manner that it may be easily removed and refilled. The carbon used in the battery is of selected stock, and great care

has been taken in making the selection to procure carbon especially adapted for the work the battery is designed to perform. All the parts are carefully constructed and assembled. The rod on the battery zincs is mounted on the cylinder in such a manner that it can not come loose, as a shoulder is placed on the zinc to hold it firmly in position. The cylinder is also rolled from very heavy

metal, giving it an unusually long life. The battery cover is made of one solid piece of carbon, thoroughly saturated with paraffin. This, it is claimed, positively prevents the creeping of salts over the battery top, causing consequent corrosion of the connection. The zinc rod is carried through the battery top in a porcelain sleeve.

The glass jars are made from the purest white flint glass of a high degree of toughness.



VIEWS OF PARTS OF A NEW TELEPHONE BATTERY.