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NIXON & CO.,
62 DEY ST.Cable Address—
NIXON, NEW YORK
A. B. C. Code used 4th Edition

P. O. Box 3248.

New York, July 26th 1890.

Dr Cousin,

Yrs 23rd read last Am. Probability is that the trouble with your elect. bell is in the battery. I will send you some new zincs and you will send a new button, although I now forget the sort of a fixture you had, but if it is not correct enough another one, I'll have to go to the shops & find out of whom you have, but my recollection is that it was one in which all the chemicals you require is mixture of ammonia, or commonly called "Sal ammoniac" - ~~but~~ you can get of your drug store probably as cheap as to get it here when glasses are added. When the battery is set up if the thing does not work loosen the bell & take a couple of pieces of wire foot or two long & test the battery by running one wire from the zinc pole to one binding post on the bell & the other wire from the carbon or opposite pole to the other binding post on bell, then if it don't ring trouble is in bell or battery, and you can test battery by loosening wires from bell & tasting the ends of them if there is a current you will quickly detect it, then if the bell not ring trouble is in it. Sometimes the platinum points become oxidized & require cleaning - a fine file or piece of sand paper will do it, - this is frequent cause of trouble.

Then if the bill sent now find it to me and I'll fix it
no bother at all - glad to be able to help you if I can, it
is a convenient arrangement when it works and when it doesn't
it's as good as a bulky sphygmograph pen,

I shall be pleased to attend to the patent matter for the
Judge whenever he is ready, and while it is cheaper than
the S. W. Cas goods - I believe it will please you in quality &
durability - While I wrote this I was really writing it at
home 25th - about 10 P.M. & as the bills re from the Electric refer
are at the office, I cannot now refer to them,

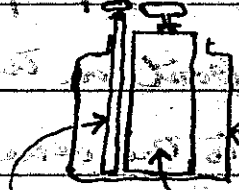
Wishes with me, and wishes to be remembered to "you all"

Yr affly

Edwin

Office Sat. May.

I'm struck on your battery affair. find no bill of it and do
not remember what kind. if there is a name on the jar tell
me what it is, or give me an idea of the parts - I want to know
if it is the Leclanché



Zinc porous cup containing chemicals, jar

Or is it a simple glass jar with some form of carbon stick or
plate for one pole & zinc rod for the other. If the latter all that
is required is an occasional new agent. A solution of sal ammoniac
if the former, with porous cup, containing sulphuric & boric acids of manganese
when they give it out means new cups. I don't if I sent you the one
with porous cups.

Ed

95° humidity & 60°