The Telephone.

The following article on this wonderful discovery is from the London Times. Although written in a half playful style, yet it presents what are now wellattested facts, concerning this advanced mode of communication between people and places, more or less distant:

A great change has come over the suggested than an honest and attentive conditions of humanity. Suddenly and quietly the whole human race is brought on a rainy Sunday without being dewithin speaking and hearing distance. Scarcely anything was more desired or might sit by their fireside, lend a willing more impossible. Few, indeed, can fill a room of any size, or even make themselves well heard anywhere; and the end of the street. The voice, however, tear itself is the weakest and most treacherous of our faculties. The eye | The electric current will ramify to at enjoyed an invidious superiority over least a considerable extent. The very the sister organ. Not to speak of its | idea of such a use being made of it, imcelestial achievements over other worlds, probable and even ridiculous as it is. or of the kingdoms of the earth it could suggests its convenience for many orsee in a moment of time, it encroached | dinary and secular purposes. The obsuccessfully on the domain of the ear, jection to a telegraphic system ramifyby beacons, and telegraphs, and all ing itself into every parish and every kinds of signals. Some of us may remember the line of telegraphs from the been the fact that in very few house-Admiralty to Portsmouth, throwing their | holds is there one who could read or arms wildly about, ten minutes some work the instrument. That objection is times, while the bewildered clerks were now likely in time to be entirely returning over the leaves of their key or moved. Everybody who has an ear can spelling a word. A storm or a fog, or hear a Telephone, and every one who nightfall, would interrupt the message, has a tongue can speak into one. All and there it slept till next day, no mat- that is wanted is a much-required imter its importance or its urgency. The provement in our listening and speakrailway seemed to compensate for this, ing powers, with, of course, some conbut with the railway came all the acci- siderable improvements in the Tele-Then about a generation ago, came the necessary, is simply a case of supply electric telegraph, too great a boon to and demand. If wanted, the Telephone be lightly spoken of, but even more divested of the charms that sweeten and assist communication than the old letter-writing. The writer might be known and loved in his letter, which could not help being characteristic; but the telegram was the dry bones of correspondence. Gushes, sighs, tears, sal lies of wit, and traits of fondness do not stand the ordeal of twenty words for a shilling, and the frigid medium of un sympathetic clerks. All at once the telegram is found to be a barbarous makeshift, fit for business purposes, or mere messages, in which names, figures, places, and dates are all there is to be transmitted. For any higher or tenderer purpose the Telephone is to take its place. While we are talking about it, and hearing of its performances at scientific meetings, the Americans are bringing it rapidly into use. Already 500 houses in New York converse with one another; 3,000 Telephones are in use in the United States; they are used by Companies and other large concerns wherever the works are some way from the office, in waterworks, pits, and mines. Friends on the opposite sides of a bread street converse as if in one The known tone and inflections of the speaker, a whisper, a cough, sigh, a breath can be heard. The little incidents of human utterance which it takes a wakeful ear to detect, aided by the eye and by familiar acquaintance, are found to pass along miles of wire, many of them under the earth or sea. Silent as the medium may be, and dead as it seems, the sound comes out true.

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between two human mechanisms. Telephone is said to be in use somewhere in this metropolis by two sciento have emerged for Londoners from the exhibition room or the soiree. Yet it is now plainly nothing more than an affair of mechanism, and, bound as we master all the material difficulties of merely to the density of our atmosphere, but partly also to our imperfect apparatus; possibly, also, to that indistinctimportant consonants, and that dropping of the voice at the end of a sentence, which all foreigners observe in us. The Telephone will prove a severe test

A hundred miles of galvanic agency

becomes only one imperceptible link

need not be monopolized, or be at the that may not be hoped for, if not, inmercy of one inefficient listener. Halfa-dozen Telephones, with their respective wires, can be attached to the same main wire, and as many ears applied. When it was found, now about fifty years ago, that tubes would convey the human voice sufficiently a hundred yards or more, it was immediately body of Christians could stay at home prived of public ministrations. They ear to the end of a speaking tube, and hear the sermon delivered at the other would not ramify to the desired extent. good house in the kingdom has hitherto dents and delays of a personal agency. phone. But the last point, however will be brought to the same pitch of perfection as telescopes, watches, sewing machines, photography, lucifer matches, locomotives, breechloaders, heavy ordnance, and many other things that within living recollection were either very clumsy affairs or not even yet invented. A time is coming when everybody, we presume, will carry his own Telephone about with him. Wherever he goes he will be able to step into a telegraph office, apply his wire to the public wire, and hold a private conversation with a wife, or a son, or a customer, or a political friend, at the end, without the intervention of a public servant. He will pay by the minute. The wire, it is stated, must be a quiet one, for it is apt to pick up stray sound. On the other hand, it is now announced that a remedy has been found for this, and that a wire thus encumbered can be cleared of strange utterances before it comes to the Telephone. Perhaps the use of underground

The discovery has come happily just at the time when there had arisen a dreary feeling that we had arrived at the end of original discoveries, and had nothing to do but work out our old tain, notorious for its many silver and ones. It is true we have been penetrating continents, sounding the deep sea, hunting matter down to molecules, finding perfume in filth, dyes in dirt, and food in refuse. It is also true that thee its sloping sides. The next and beforeannual catalogue of new facts in Science has been stated to amount to a thick, largest and by a few feet the highest in closely-printed volume. But these are not matters that concern everybody, at least directly. They do not revolution-England takes discoveries, when they | ize the world. What the Telephone are not her own, very tranquilly. The promises is hardly short of this. There from Baker's Park, which is a close box \$130,000 each, but the country is still is no reason why a man should not hold cannon (canyon), on to Sultan Mounconversation with a son at the Anti- tain, which is the western boundary of tific friends, but, while Prince Bismarck podes, distinguish his voice, hear his Silverton, and which is abundantly rich has already set it to work on German breathing, and, if the instrument be ap in ores. Although there never has been State business, it can hardly yet be said plied as a stethoscope, hear his heart's as much ore milled from this mountain throb. Next to seeing-nay, rather as from Telgeeton, yet there has been than seeing-what would parents give more work done on it. The mines to hear the very voice, the familiar necessarily have to be reached by are to believe in the dominion of man long separated by a solid mass 8,000 being so steep that by tunnelling 500 over nature, we cannot doubt we shall miles in diameter? The telescope is feet to strike a certain vein which runs only a prolongation of the eye, and the perpendicularly through the mountain this new acoustic problem. The great Telephone is only a second ear. For as if a seam were striken 1000 ft. deep, difficulty at present is the tenuity and some time there has been a prophetic giving a good chance for what miners be very frequently used. Hence the feebleness of the result; but it is evi- idea that a speech ought to be able to call back-stopping, which is by far the dent that difficulty has been surmount report itself. There is now no difficulty cheapest way to work a mine. From rectly. In probably a majority of cases ed in the United States more than it in the matter, except that the Tele- the several companies that are at work has been here. That may be owing not phone will be only too true, and will on it this winter we expect to see ness of utterance that slurring over of the less vocal tropical regions, the description of even one of those moun-

insisted on, may be found a more effect-

deed, expected. We have only to look back the length of an ordinary lifetime and consider how much the world has advanced in that period to form a fair estimate of what is in store for our successors. The world has not exhausted itself; mind has not done all its work; Nature teems with fresh wonders; time has more children yet to come. When shall we store and distribute the manifold bounties of Nature running to waste? When shall we counteract the uncertainty of the elements? When shall we penetrate the mystery of the winds? Shall we ever cover the whole earth with fertility and verdure? Shall we not only combat, but extirpate dis ease, as some diseases have, in fact, disappeared? To come down to the limprovement of existing means, when shall we bring railway travelling to the perfection of speed, comfort, and safety? All these are mere mechanical problems. The greatest perfection is not so improbable as the railway itself was only fifty years ago. In none of these matters has mankind yet made so serious persistent an endeavour as to be sure that the failure is not in itself, rather than in the work to be done. They seem impossible; so did the idea of the Telephone but the other day.

## Correspondence.

For the Christian Messenger. From the Rocky Mountains. test vehende + go ndet 38 11

THE SAN JUAN MINES.

SILVERTON, Nov. 22nd, 1877.

How little is known in the old fashbusiness is carried on in the Rocky Mountains. For example, we will take the town of Silverton, which now is but three years old, and has a population of over 3,000 souls, and is located in what is called Baker's Park, one of the several parks found in the Rockies, and surrounded with lofty peaks, making each and every one seem to the eye of the tourist a hidden Paradise, with foaming streams of water jumping and dancing from those lofty peaks and cliffs into the valleys below, which make those ragged cliffs seem to the gold-seeker the pleasantest place in the world.

Baker's Park is two miles long and half a mile wide, and is watered by the Rio Las Animas, (or, River of the Souls) running along the south side of the park and close under the north side of Kendal Mountain, whose peak is 14,500 feet above the sea level, and 5,000 feet The animals used are mostly asses, but above the town, whose altitude is 9,500 feet. The town of Silverton is surrounded on all sides by lofty peaks, such as Kendal, to the south-east, and at the head of the Rio Las Animas is Galina wires, now on other accounts much Mountain, which takes its name from a class of ore containing silver and lead and which is uncommonly plentiful on this mountain. The next, bearing west, is King Solomon, so called from a formation of rock on its peak, resembling a crown. The next is Hazelton Moungold mines and abundance of rich ores. The next is Blair Mountain, from one of the early pioneers, and who owns several rich mines which crop out along mentioned is Kendal, which is the San Juan County. This is not the richest in minerals, but has a goodly quantity of rich ores. Now we have to season of 1878. Mines have been cross the only outlet or stream leading | selling at prices ranging from \$10,000 to laugh, the favourite song, of the child tunnels, on account of the mountain too well. Will the Telephone be able during the summer of 1878. We have C. This may seem to be but a small to convey the singing of our birds to not space in one sheet to give a minute matter; but it is certainly worth a passbreaking of the surge, or any other of tains, so I will pass to the next, which Nature's sweet or wild utterances? is Round Mountain, noted for fine Will it bring to our Metropolis the timber, which would be useful in a Nova

park, and hardly worthy of note here. Now we have come to the last, but not the least, in the circle, which is bolder and where there has been more goldbearing leads than all the above-mentioned mountains combined; but is not so rich in silver.

The inhabitants are mostly early-time Californians and Nevada miners, who are always moving forward to the latest discoveries. We have two classes of miners here in the summer time, but one class only now in winter, and these are called "old-timers." The others are called "tender feet," who emigrate from the east in the spring and come to San Juan to make their fortunes in one season. When they get here they arm themselves with a pole, pick, a leadpencil, and an arm full of stakes. They then run all over the country, locate thirty or forty leads and never take out any ore, and as soon as snow falls, which is generally in October, throw down their pick and pick up the old carpet bag, and stuff the old duds into it and start off for Kanzas, without a red cent to pay their way. Such men in some places are called tramps. As soon as they get fairly out of the mines they are millionaires and trying to sell mining property in San Juan, but four out of five of them never return to look at their property. I have known such abandoned property to be relocated and sold for good round figures, one of them has been yielding up \$5,000 per month all summer to demistant toleng a lo

The way we get our dry goods and groceries into the mines will seem curious to one who has never been an eye witness. The nearest point to a rail road is 185 miles; 160 of that has a tolerably good waggon road. Teams haul over it for 3 cents per 1b. but the other 25 miles of it I will not undertake to describe, as the truth must surely be doubted. Being Nova Scotian myself, I know what I would think of such a story as could be told of the Sante Christoval range; enough to say that there is a track wide enough for a waggon to pass along, but a waggon cannot be used to transport freight over that twenty-five miles at desser cost than 5 cents per lb., and o course nothing comes by waggons except heavy machinery that cannot be carried on the backs of animals. Pack ing prices are two cents per pouud there are some few mules in use. The round trip may be made with mule in four days; but the asses gene rally take five. A load for a mule from 275 to 350 lbs. Asses are seldom loaded more than 150 lbs, and are run in trains of twenty animals, with two men to do the work. The packing season commences as soon as the snow goes off in the spring, about the 1st of May, and is just ended now, when the animals are turned out to pasture for winter. The winter supplies being brought in during the fall months.

Until this season we have had only one reduction works here, and that one has shipped 350 tons of bullion to the refinery in St. Louis. When we say bullion we mean to include all metals. Our metals are principally silver and lead. We have four other mills completed now, ready to start with the at a loss for want of capital. Most of the mines are owned by poor prospectors who have so many that it keeps them poor doing their improvements on them, as the law requires them to do \$100 worth of work on each mine.

Respectfully,
John W. Westcott.

For the Christian Messenger. A Capital C.

In a religious journal it is to be expected that the word "Christian" shall greater importance that it be used corin which this word is employed by the religious and secular papers of these serve the orator and the public only an abundance of ore shipped from it Provinces, it is written without a capital ing remark.

dreadful sounds of the bombardment or Scotia shipyard, but is not of much amination of the case has enabled me to Digby Joggins Church. Twenty-four of both our speaking and listening the battle-field? But what next? value here. The next is Tower Mounpowers. The household wire, it appears, There is hardly anything conceivable tains, the north-east boundary of the there is no such authority. African Baptist Association, he united

1. A glance at the passages in which the word occurs in the New Testament shows us that there is, invariably, a capital C used. Still more important is the fact that in the original Greek the same usage is found. The Latin, French, German and other translations have, without exception, so far as I am aware, followed the same example.

2. Both Worcester and Webster, in every case, use a capital letter in writing

3. The general grammatical rule that "adjectives formed from proper nouns shall begin with capital letters," requires that a word formed from the name of Christ should be written with a capital letter tomer all most luce and

4. From a painstaking examination of lexicons, magazines, theological and standard religious works, I find that but one usage prevails among classical writers of all denominations, and that usage is in harmony with the New Testament in its original form and in its translations, with our standard lexicographers, and with long-established grammatical rules.

If these are the facts of the case, the use of a small c in the word Christian, or any of its cognates, is eminently unclassical and unscholarly.

OBSERVER.

For the Christian Messenger. Reminiscenses of Deacon Sidney Welton.

As Rev. E. O. Read had not a long acquaintance with this valued brother, and wrote a brief notice, in haste, he has requested me to add some further par-

Brethren S. Welton and H. Saunders -subsequently ordained to the ministry -had professed faith some time prior to the year 1828. In the autumn of this year they became deeply impressed with a sense of the lamentably low state of vital religion in Lower Aylesford where they resided. With great timidity they determined to commence holding prayer meetings; and appointed one at Bro. Welton's house. Curiosity seems to have brought together quite a number of people. Providentially Bros. T. Ansley and I. E. Bill, who it appears had been attending an interesting and useful Yearly Meeting in Upper Ayles ford, came to the meeting. The former preached an impressive sermon, and the latter gave a thrilling exhortation. A powerful work of grace ensued. The writer has had occasion to refer in many obituary notices to the blessed effects of this "Great Reformation," as it has often been justly denominated. The example of these good brethren in going forward in what might seem at first feeble efforts, is well worthy of abiding record and imitation: W -08.14 ,1900

Deacon Welton entertained strong views of the exceeding riches of Divine grace. He was very attentive to public worship, and often spoke with fervour, and to edification, in prayer meetings and conferences. In the last one of these which he attended, only a few weeks before his departure, he is said to have addressed his brethren and sisters with remarkable earnestness and aftection, greatly to their comfort and delight. He not only read the scriptures daily at family devotions, but also studied them with evident attention, interest, and profit. As a husband, a father, a neighbor, and a professor of vital godliness, his demeanor was amiable and commendable. 19818 HOWART BE STE

His pious widow states, that the last time he was in any measure able to offer prayer in the family during his last sick. ness, his prayer was extraordinary, as he referred particularly, and with evident earnestness, to his children present and absent, to his Pastor, the Church, and the unconverted. "The memory of the just is blessed."-Communicated by Rev. C. Tupper.

In Memoriam.

Concussion Co = I had the Our much esteemed brother REV. JAMES WILMOT,

has gone home to rest with Jesus. He was a faithful laborer in his Master's vineyard, and believed strongly in "free and sovereign grace." He was convert-Is there any standard authority in ed upwards of forty years ago, and was favor of writing this word without a baptized by the late Rev. Mr. Cunning. capital letter? So far as a careful ex- ham, then pastor, I believe, of the