TOO BIG FOR MONOPOLY

Mr. Vinton A. Sears Calls it Probably the Most Profitable of All Public Utilities-Independents Thrive on Opposition and Continue Steadily Forcing the Rate Lower.

Vinton A. Sears, of Boston, has studied and written much on the subject of telephone development, of which he is a recognized authority.

The present development of the telephone is in round numbers 3,400,-000 complete telephones, each telephone comprising a transmitter and a receiver, but reckoned as two instruments by the Bell, and as one by the peak raid. Say, do you see that independent companies, of this number the independent companies now | major said | When I came to this have 1,800,000 telephones, and the whole Bell system 1,600,009, a part of this is duplicate service and less than camp on Peno's Fork on Tongue Riv 4 per cent of the population have yet become telephone subscribers

over 8,000,000 telephones; this is bas- to pay any attention to the guide and tion becoming subscribers which basis in the rear. We had matched some is already considered too low for the future by many of the leading Bell and independent engineers. This ten per cent development which has been exceeded by galloped back and says. "Major. and even doubled in some favored los please report to the General " I can calities, will render a service to and broaden the life of the country as a us. The General says "Major I whole to such an extent that the cost ence of economic value.

organization , containing many men of the highest character and ability The Bell interests also have many men trained up under the enervating and dwarfing influences of the monopoly period. But with all the business ability of the Bell management, they have not been able to hold the field against the independents, who have been able to finance and build more exchanges and install more paying telephones during the last eight years than the Bell companies have in their entire existence. In the face of this showing on the part of the independents, which is really the showing of the American public, for the independent movement is largely a popular and co-operative movement, it is not within the bounds of reason star stars that the Bull framents Star to suppose that the Bell interests can stamp out this competition which A Modern Joke Traced to its Source. Novel Device for Filling Tires as No doubt it would be well for the Bell interests to pursue a policy of a fair division of the field, which it can never hope itself to fully develop and hold against the independent move ment. The only way by which the art can be perfected and the public the most reasonable cost is by compotition Competition has already reduced the rates one third to one half and has greatly extended the local and long distance service of the whole

To reasonably develop the field will require the installation of 5,000,000 to 6,000,000 additional telephones.

Looking at the financial side of the industry we find that the capitalization of the Bell licensee companies is approximately \$400,000,000, which represents 1.600.000 subscribers' stations or a capitalization of \$250 a subscriber (not including long distance lines or the \$299,000,000 of outstanding stocks, bonds and notes of the parent Bell company, an amount equal to \$130 a subscriber.) The cost of 5x000,000 additional telephone stations, if installed by Bell companies and securities—stupendous figures even in one was derived. this era of high finance. One-half of obligations by \$625,000,000.

Should the Bell company continue to raise new capital as fast only as in the last few years and use all for new competition) it would take about fifty | cord. years for it alone to supply the telephone service that the public will want tomorrow.

On the other hand, the independent telephone companies, of which there ing 1,800,000 subscribers, have an inor an average of about \$140 a subpanies furnish the American public first time. with the 5,000,000 additional telephone stations \$700,000,000 would be needed, or \$550,000,000 less than the estimated Bell requirements—a sum too large to lose sight of in the cost of a public utility that is a necessity in business

and domestic life. The large aggregate amount of new | gigantic spectre. capital required for the proper development of the telephone can be financed among some five thousand independent companies in the United States at an average of \$100,000 each, when it is considered that these companies are owned largely by the telephone using public. It is estimated hens failing to lay as lack of foed. mat the present independent compamies have 300,000 stockholders, and The independent telephone movement own interests.—Chicago News. . is co-operative in the best sense. Each community can finance its own telephone seeds and should have the

TALES OF OLD JIM BRIDGER.

Came to the Country When Mountains

Were Holes in the Ground. Major James ("Old Jim") Bridger was more than six feet in his moccasins, straight as an arrow, raw-boned and of powerful frame. He had a large head with caution largely developed In Gen Conner's campaign against the Sioux Indians in 1865 Major Bridger was the guide. That he was thoroughly acquainted with his knowledge of all this section of country was marvelous. He could tell how the command would have to march to find a camping place and how the water was and describe the ground so any one would recognize the place when we came to it.

The boys would quiz the old guide occasionally. One evening when camped on the Platte River opposite Laramie Peak, one of the men said: "Major, how long have you been in this country?" The major straightened himself and pointing to the snow capped peak?" I pon the soldier's reply the country that was a hole in the ground?

I remember be morning we broke

er The major mounted his horse with his doubted barrel rifle across the The reasonably complete develop- pointed of his saddle and started ment in the United States will require | ahead but the General did not seem ed upon ten per cent of the popula- as the commanded not follow, he fell four or five mases and were getting on bad ground The General says: "Where is Major Bridger" Some one replied, "He is in the rear" An order see how he looked as he cantered by thought the government employed you of installation and maintenance can to guide this expedition" "It did, but be easily borne, not as a luxury, but | you seem to think you know the counas a labor and time saving convent. try better than I do so I thought you might have your own way and we The Bell concern has a magnificent would see where you would get to "Go shead Major and we will fol low " He obliqued to the right and

we were soon on good ground We had a squad of mon with the command called the signal corps They kept on the flank and ascended the hills and made observations and they gathered geological specimens. I remember one evening when in camp on Tongue River they were discussing some petrefactions they had collected The discussion became quite warm and animated when one of the men turn ed to the major and says. "What do you think of hese petrefactions?" "Humph" says the major "I can take you up here in the mountains where the whole forest is permised, with petrified twigs and petrified birds sing

"It is well-known among joke writ! Automobile Moves. ers" said the antiquary that there world's an ecdotes are created

Sanskrit root a disputed word.

time was that of the publication of the portion of the car above the wheel ingenious stories for children that he and his sister Mary had written in col- cut out appliance, by which it is laboration Lamb said to one of his thrown out of action after a pressure fellow travelers:

"No, but I have a black sheepskin taining the pressure at that point in rug,' the other replied.

good, and I tried to trace it back For capitalized at the above average of a long time I was unsuccessful, but event of a puncture without the neces-\$250 a subscriber, would require the last week my search was rewarded; I sitv of stopping to make a tempor ry issue and sale of \$1,250,000,000 of new found the story from which the Lamb repair. With the use of this device

this new capital, according to custom | rainy day who had left his wrap in a | flating the rear wheels the device may would be taken by the American Tele stage coach. After he had gotten out be applied, and the rear part of the phone and Telegraph Company, which he missed the wrap, and told the driv- vehicle being jacked up, the tires may in turn would increase its own capital er to go inside and inquire for it. The be filled by starting the engine. guard, putting his head within the door, called:

"Is there a black mackintosh here?" construction (and none for fighting red MucGregors."-Philadelphia Re-

Andalusian Spectre.

Upon a mountain in Andalusia quaint spectral forms are frequently seen. Whenever there is a heavy already are over four thousand, serv. mist and persons are ascending the mountain they appear in all their study, in solitude, for a stated time vested capital of about \$250,000,000. | ghostly splender and sometimes so sud. denly as to strike dismay into the scriber. Should the independent com- hearts of those who see them for the

Of course, it is all a trick played by the sun. When a midst partially shrouds the mountain the sun is naturally obscured and then he revenges himself by projecting the shadow of any person who is ascending the moun-

Poultry need a good, dry dusting place. They like it better on a level with the floor of the poultry house than to climb into a box. Over-feeding or keeping on corn and other fattening food is quite as frequent a cause for

Subtle minds are usually submissive this number is increasing every day, only when submission serves their

> No, Cordelia, a woman isn't necesearly out of yarm when she knits her

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THE CATHOLIC JOURNAL, ROCHESTER, N. Y

THIS PUMP WORKS ITSELF.

device which will save the autoexists in the world only seven jokes movilist much annoyance and trouble All the rest have been made and still is the automatic tire pump recently continue to be made from these seven | introduced by a western him. This But it is not so well known that there pump is so fashioned that it may be are only seven anecdotes out of which, fastoned to any artiflery wheel and by ingenious blendings and twistings, the inflating operation is performed the unnumbered 'housands of the by the turning of the wheel, so that the tire may be inflated while the car "I am an amateur, or loving collect, is in motion. The apparatus consists or, of anecdotes. When I come upon of a plunger pump that is fastened one that is strange to me I delight to to one of the spokes, with a rubber trace it back to its source. I get the tube connecting with the tire valve. same pleasure out of this that an aty- The pump is operated by means of an ! mologist gets in tracing back to its eccentric arrangement which surrounds the wheel hub, and one mem-"Some time ago I heard of an anec | ber of the device is held against rotadote about Charles Lamb lamb, the tion by a cord which may be fastened story went, was on a journey, and the to the mud guard or some other fixed

The apparatus is equipped with a of 110 pounds is reached, and the "Have you read Lamb's tales?" pump is said to be capable of mainthe face of a leak of any ordinary "This anecdote struck me as pretty proportions, so that it is possible to make a run home or for help in the the tire may be maintained at a uni-"it was a story of a traveler on a form point without attention For in-

Ways of Great Authors.

It was the habit of Victor Hugo to "'No," was the reply, 'but there are think out his work lying on his back on a yacht at sea (much as W S Gilbert works in his easy chair in his study at Harrow Weald.) far from the maddening crowd. Once he has his new creation well in his head, the rest was purely mechanical; he could write off anywhere On the other hand, Charles Dickens wrote in his every day.

Thackeray carried his manuscript, written on blue paper, about with him, and whenever he had a minute to spare-for instance, waiting for a check to be cashed at his bankersout would come the manuscript, and, if necessary, some corrections would things. be made. Lord Lytton dressed for the occasion, and wrote in his library. tain until it assumes the form of a with twelve candles burning and two

powdered footmen in attendance.

Death From Electricity. While death is produced almost instantly by the passage through the human body of alternating currents of high voltage, such as are encountered in ordinary practice, yet in the currents of enormous voltages produced by Mr. Tesla it is possible for them to pass through the body without the slightest injury. It has, of course, been known that the Tesla currents are of extremely high frequency as compared with the ordinary current. as well as of high voltage, but it was thought that they passed over the

The sa the body rather than through it and thus did no damage.

Bunsen society of Berlin that this effect is due to the high frequency of alternations that it does not have time. fore there is a reversal of the electrical stress. This he has shown conclusively in a series of experiments | A heavy harpoon line, used in the where he passed a high frequency our rent through his hand and then through the legs of frogs. Harper's

Ancient Literature.

of ancient literature we are not allow ed even a glimpse of the individualities of their authors. The works themselves if they had been prized because of the wit, ingenuity, fertile fancy, brilliant conceit, or any other individual peculiarity-mental or tem peramental—of the men who produced them, would not have been preserved In some cases, as in that of the Iliad and Odyssey, the reputed authorship has been as obstinately questioned as that of the Fourth Gospel and several of the Epistles. In the very earno account in the matter of authorship; he was only the collector or editor of spontaneous and unwritten folk-song and legend, or, if he gave these their final shape, was only joint author with his race - Harper's Mag-

Peculiarity of Congo Valley. A peculiarity of the southern part

of the Congo Valley is that one side of the hills is usually bare, the other covered with vegetation. This difside gets little moisture while the other is dampened by fogs blown against it every morning. The natives into the sea often shave off the hair from one side

A machine is being perfected in a Birmingham shop that is to turn out from 90,000 to 100,0000 finished wire nails an hour. This is said to be about three times as fast as any American machine can do, "which," remarks the London Chronicle, "is certainly re-

It is calculated that one right angle bend in a pipe through which water flows will make necessary 9 per cent more pressure for a given flow than is required for a straight pipe of like size and structure. With three sharp bends at right angles, the pressure needed is 13 per cent more than that which is used in a straight pipe.

Violet Picture Frame.

circular frame of water color paper a second little bunch, the same arESKIMO CORD-MAKING.

in Adapting Means to End. he skill of the Eskimo is shown

manufactures from the slender stock | of applying such a method to a whole of material Without nails, for the most part without iron, his sleds and | are important centers where any boats are made him and strong. The means of mitigating the nuisance fastenings are of home made cord

hunt for securing walruses is made of the skin of the 'square flipper" seal, an animal about eight feet long For such use the skin is not removed from the seal in the usual way, but is In the earliest examples we possess; pulled off without cutting it, as one might pull off a wet stocking. The whole hide is thus preserved in the form of a sack it is then placed in water and allowed to remain there several days, until the thin outer black skin becomes decomposed This. together with the hair is readily peeled off and a clean white pelt remains

Two men then take the pelt in hand and with a sharp knife cut it into one long even white line by beginning at one end and cutting round and round until they reach the other end One skin will make 300 feet of line. liest literature the individual was of In this condition it is allowed to dry, after which it is tightly stretched and dried thoroughly in the sun The result is a hard, even white line, threeeighths of an inch in diameter but equal in strength to a heavy Manila

I have seen such a line imbedded in the flesh of a walrus at one end and spiked to the hard ice at the other end by a stout from pin. Held by six men, it plowed a furrow six inches deep through the ice, bent the spike and dragged the six men to the edge ference is due to the fact that one of the edge of the ice where the tug of war ended the victorious walrus took the unbreakable line with him

of their heads, the effect presenting fishing or for winding whip-stocks, the same appearance as the hills of and thread for sewing purposes, are manufactured from reindeer sinew. the spine, which is always saved from the carcass. The Eskimo preit till it grows quite soft. Then it is readily frayed out into fine fibres which are used for needlework.

When coarser thread is required, versing the usual monotonous order of these individual fibres are plaited together with wonderful neatness and rapidity. One woman can make fifty or sixty yards of this thread in a day. -Youth's Companion

> Dissipating Fog by Electricity. Sir Oliver Lodge, who some time

ago invented an electrical apparatus for dissipating fog by means of electrical currents radiated into the atmosphere, is convinced that the limitations of his invention will not allow A pleasing design for a standing it to be used in clearing great areas of fog as yet, but he thinks that it is a group of three of four violets, has practical value. In a letter to the bunched together, and then a con- London Times he says: "An electrical necting chain of stems reaching to method of dissipation is not the right remedy for this artificially intensified rangement following, around the en- evil, though it is a hopeful and proper tire frame, at quite regular intervals. method of attacking natural mist in

places where it interferes with navigation or commerce, but although it Lately Prof Nernst has shown the Wonderful Examples of Their Skill is not the right remedy it may have to be used as a temporary palliative in times of stress and while better city is probably prohibitory but there would seem to be legitimate

The Extension of Tramways.

Electric tramways, though slow in coming, are now rapidly spreading over England The investment in them at present amounts to about \$200,000,000 more than half by municipalities The extension of tramways, by conveying workingmen cheaply to suburban homes, is credited by some observers with the recent decrease in sales of beer, which has been generally attributed to the hard times

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Epiling to Death Abollahed.

In 1800 the last instance of boiling to death took place in Persia. The offender, guilty of stealing state revenues, was put into a large caldron of cold water, which was slowly heated to the boiling point. His bones were distributed as a warning, among the provincial tax collectors.

A Costly Leather.

It is said that the most costly leather in the world is known to the trade as plano leather. The secret of tanning this leather is known only to a family of tanners in Germany though the skins from which it is tanned come almost entirely from Amer-

Fresh Air in Tablets. Fresh-air tablets are a preparation

discovered by a French scientist. He discovered that he could combine certain chemicals into a tablet which, on being dropped into water, dissolved Finer lines, such as those used for and gave forth pure oxygen.

The French Academy of Medicine has just elected to its membership The best is that obtained from along in the person of Professor Poirier, one of the youngest men ever included within its ranks, as his career has pares it by drying it and then rubbing been one of the most brilliantly rapid among his contemporaries. The professor's qualification dates only from 1883, and since 1887 he has taught anatomy at the practicing school of the Paris faculty. He is also a surgeon of the Tenon hospital. He is the author of many treatises on osteology, the muscles, cancerous affections and other surgical subjects.

Teacher-Can you tell me, Tommie, what becomes of all the birds when

the summer has gone? Tommie-Why, I guess they get put on all the winter hats, ma'am.-Yonkers Statesman.

The road to failure is the one that is full of ruts.

A virtue that we don't possess isn't worth cultivating.

The milk of human kindness is