Adaptation of Electricity to Useful Purposes.

Until the invention of the electric telegraph it had not draws from periaster. been found practicable to apply the power stored up in elecindeed engaged the attention of scientific investigators for with orbital motion and long periods of revolution. many years, and nebulous ideas of the possibility of utilizing it for the service of mankind had occurred to those who were always blue. This last observation is thought to point to a engaged in its study, but without practical result. Finally superposition of tint (as in the case of distant mountains Cooke in England and Morse in America, neither of whom | looking blue). From these groups the small star may be belonged to the scientific fraternity, succeeded in solving the reasonably supposed much further distant than the large one; problem which had so long baffled the most able scientists of in fact, near the confines of the visible world. May not this the world, and invented systems of electric-telegraphic com- blue color (it is asked) be due to a gaseous medium expanded Tin-lined wood answers indifferently well. Paper will not munication which proved to be practical and successful. It in celestial space, acting on luminous rays which traverse it do at all. Possibly, however, a case of moulded paper satuis but justice, however, to concede that their inventions were quite like our own atmosphere, of which it is, perhaps, rated with pure white paraffine, or some other inert, inodoronly possible through the investigations and discoveries of merely the continuation? the philosophers who for so many decades previously had made electricity a study.

These inventions have had an importance and a far-reaching effect, which probably was but dimly foreseen, even by portant articles of food and clothing in Lewiston in 1860 and 'to take this matter in hand. the inventors or the enthusiasts whom they succeeded in in- 1879 will be found, says the Lewiston (Me.) Journal, of value teresting in their inventions. Within little more than the in determining whether farm products and the wages of life-time of a generation they have revolutionized the social labor to-day will secure more or less of the conveniences of and business systems of the world. Year by year the tele- life than they would before the war: graph is more and more indispensable, and has already become so essential that a total suspension of telegraphic communication, even for a day, would be regarded as a public calamity. The crude but effective apparatus at first used has been simplified and improved upon, and the capacity of conductors for electrical transmission has been developed and practically utilized, and these have become so familiar to the public that results which but a short time since would have been regarded as marvelous and scarcely credible, are now looked upon as of no very special note. Inventions which double and quadruple the available capacity of conductors are not regarded as worthy of special notice, and we are looking expectantly for the time when these results shall be notably exceeded, and six, eight, and even a larger number of circuits shall be regularly operated over a single conductor, as six and eight have already been worked in experimental trials.

ic experience and research, and although but recently in- and some other articles of farm produce are higher than bevented, has already been generally adopted for special and fore the war, while most articles of manufacture, pork, corn, being established in all parts of the country, a person is | Butter, hay, and flour are about the same. On the whole, a placed in direct oral communication with the persons and family can probably purchase the necessaries of life at least places of business of those with whom it is desired to confer, as cheaply as before the war, while wages are generally higher looked for. No platinum has yet been found in Nevada. and thus business and social intercourse is facilitated and than they were then. The expenses of many families are promoted. The number of telephones already manufactured greater than before the war, because flush times led all of us and in use in this country is probably not less than 50,000, into new purchases. More and better clothing is bought, and is being increased as rapidly as they can be manufac- many and more frequent changes in obedience to the dictates Cape Verde Islands) was a regular fishing station, where tured. It naturally makes its way more slowly in Europe. but is being extensively introduced there, and the American purchased than before the war. By the practice of as strict system of telephone exchanges is beginning to be looked upon with favor.

By the invention of the telephone we are enabled not only to communicate orally over considerable distances, but also to study the utterances of nature. The voices of the volcano and the earthquake, telephonically reported, reveal to us the that we ought to export cream to be eaten with the canned pounding and breaking up the small fish and throwing the titanic workings in the great laboratory of the earth. The fruit which we send abroad so largely. He says, in a recent lightning announces its coming before even the flash is visi- letter to the *Herald*: ble. The pulsations of the vital fluid within our veins and arteries convey to the ear of the physician and surgeon valu- and at a price which would be remunerative. What practiable information of our physical condition. Daily new uses cal difficulties there may be in putting cream into tins, and are found for the telephone and microphone, and it is not whether the lactic acid would act upon the tin injuriously, which they had to play for some time and finish with a likely that these will be soon exhausted.

spread of conflagrations and the attacks of burglars and conjecture. But these could soon be overcome I feel sure, and kind of bonito or tunny (Thynnus argentivitatus), of about thieves; it gives us light rivaling almost the brilliancy of an unlimited supply of cream would not only be a boon to 25 lb. in weight, was attracted by the baits, and coming the sun itself; it pierces the hardest rocks and metals, and the householder, but would be of service to the medical pro- close in, swam backward and forward in front of the stand furnishes the motive power required to run our sewing ma-fession. Cream with stewed fruits would be a very palatable on the rock, taking every bait thrown on to the top of the chines. It traces our pictures, and prepares the plates for food, much more so than cod liver oil, and could be had all water. The negroes kept feeding the fish for some time to the printer; it regulates the movements of our clocks and through the winter if prepared in the manner I suggest. For give it confidence. A very strong piece of cord, with a hook plows our fields (though not the latter as yet to any con- invalids, dyspeptics, and convalescents such a dietary in like a salmon gaff made fast to it, was then baited with a siderable extent). It is, in fact, becoming the universal ser- winter would be most desirable, to say nothing of those who small bit of fish, just enough to cover the point of the hook, vant and agent of mankind, and it is impossible for us to would take it from choice. conceive to what uses it may not yet be put for our convenience and benefit. So much has already been accomplished ties overcome, the American farmer would be benefited and through electrical agency that the public mind is prepared the English consumer would be grateful." to credit even the most marvelous achievements which may be claimed for it. It is indeed a wonderful manifestation of a force without doubt co-extensive with the universe itself. and one of the most useful and terrible agencies.-Journal that there is a fortune awaiting the man or woman who can caught hold of the line and pulled the fish straight out on to of the Telegraph.

4. The same similarity of tints in the two stars appears tricity to useful purposes. Its nature and characteristics had both in binary groups with rectilinear motion, and in those

5. In perspective binary groups the companion is almost

The Cost of Living.

	May 11, 1860.	May 11, 1879.
	Retail.	Retail.
Beans, bushel	\$1.25 @ \$1.75	\$1.70 @ \$1.85
Beef, pound	. 6 @ 12	8 @ 20
Cheese, pound	. 10@ 12	10 (a) 12
Chickens, pound	. 9@ 11	12 🐻 13
Coffee, pound	. 12@, 25	15 @ 30
Corn, bushel		@ 55
Egg4 dozen	. 12@, 14	12 @ 14
Flour, barrel	. 5.50 @ 8.00	5. 50 @ 8.00
Molasses, Havana, gallon	. 26 @ 28	-@ 40
Molasses, Porto Rico, gallon	. 35 @, 36	@ 50
●ats, bushel	· - @, 40	<u> </u>
Pork, pound	. 8 60. 10	. 6@, 9
Potatoes, bushel	40@. 42	6 @ 9 80 @ 90
Raisins, pound	. 10@ 14	8@ 12
Sugar, white, pound	. 10@ 11	8@ 9 5@ 6
Good print, yard	. 10 @ 13	5,00 6
Sneetings, yard	. 8 66 12	76. 8
Tea, pound	. 36@ 65	30@ 60
Butter, pound	. 18@ 20	18 0 20
Dry hardwood, cord	. 4.50 @ 500	5.0 歳 5.50
Hay, ton	. 10.00 @ 13.00	10.00 @ 13.00

than before the war are farm products, and this increase is The speaking telephone opened up a new field of telegraph- beneficial to the farmers. Beans, beef, chickens, potatoes, of fashion are made, and many more articles of luxury are two young Africans were fishing, and where the whole rock economy in all respects as before the war, the same degree of industry would be better rewarded than it was then.

.... Who will Can Cream ?

"It is quite certain that such cream would soon sell freely,

A Better Butter-package Wanted.

devise a neat, cheap, tasteful package which will enable the the rock. The negroes evidently felt quite certain of their

tion of color, and often surpasses that in color as it with- the first appeal is a captivating success, the butter will sell, though the organs of smell and taste be not so highly pleased. Assuming that the butter itself is good and satisfactory in all respects when packed, the dealer, in selecting his package, will be careful to guard against four things, which will depreciate the butter before it may reach the consumer:

- 1. Any foreign taste of wood, or gum, or oil.
- 2. All contact with air.
- 3. The variations of temperature.
- 4. Leakage or soakage.

Pure tin will meet these conditions, but it is too costly. ous, clean, and comparatively inexpensive water and acid proof compound, might answer the requirements for the inner package. Of course the external envelope must be stronger The following table of the retail prices of the more im- to bear exposure and rough handling. Our inventors ought

Platinum in California.

Mr. Edison's call for platinum has developed considerable interest in the search for that metal. According to Prof. Stewart, of Virginia City, Nevada, platinum has been found in Santa Clara county, California, in a seam of talc, incased in hard schistose rock. About two years ago men worked the mine, selling the platinum in San Francisco for \$12 or \$15 an ounce. They mashed up the talc and separated the crystals of platinum by some simple process. The schistose rock was so hard, however, and the seam of talc so narrow -being only from 12 to 15 inches wide-that the men were compelled to give up the work as unprofitable. But the professor has an idea that by the application of proper instruments the mine might be made to pay. The seam, although narrow where explored, might widen as depth was gained. At any rate, that probability would be in favor of the miners.

It is also stated on the same authority that in Trinity and It will be noticed that most of the articles which are higher Humboldt counties, California, in .the early days, the gold was so heavily alloyed with drift platinum that the purchasers of gold dust, not knowing the value of platinum, frequently refused to buy the alloy at all. Sometimes the gold would be alloyed to such an extent that it would not fetch private lines. By means of telephone exchanges, which are sugar, prints, and sheetings are lower than before the war. more than \$3 or \$4 an ounce. The presence of platinum joined with the gold of those localities leads Prof. Stewart to think that a body of the mineral might be found there if

----Catching the Bonito.

At the north point at the mouth of the bay (St. Vincent, was reeking of dead and decaying fish, and a small cave was full of débris, having evidently been made use of by fishermen for many years. The two young negroes at first occupied themselves in catching small fish with a short bamboo rod, baiting with pounded fish, and catching var-A London physician, J. Milner Fothergill, M.D., thinks jous little rock fish and a scarus. They then began largest pieces into the verge of the surf off the point to attract large fish. They watched until they saw a large fish taking these baits on the top of the water, and then they threw a bait on a hook attached to a long cod line. They thus caught a large cavalli (Curoux) of the mackerel tribe, and whether the cream should be prepared after the Devon-'spear. Large garfish (Belone) sometimes came within reach Electricity guards our buildings and property against the shire fashion or the ordinary plan, of course I can form no and were easily caught, being very ravenous. One fish, a and a stout bamboo was used as a rod. The cord was "If cream could be so provided, and the practical difficul- hitched tight round one end of it, with about a foot of it left dangling with the hook. One negro held the rod and the other the cord. The bait was held just touching the surface of the water. The fish swam up directly and took it. The negro holding the bamboo struck sharply and drove the big A correspondent of the Cincinnati Commercial maintains hook right through the fish's upper jaw, and both men

. The Colors of Double Stars.

To test the question whether the colors of double stars depend in any way upon their relative distance from the observer, M. Niestein, of the Brussels Royal Observatory, has grant shrubs. A package is wanted that will protect the drawn up a table of colors of 20 binary groups, according to handiwork and pride of the dairymaid from the ruthless, nearly a century of observations by astronomers. The results of his inquiry, as given in the London Times, are briefly makers want to place their choicest butter in its freshness, these:

1. In systems with well marked orbital motion, and eson the table of their customers unsullied by the defiling pecially in those of short period, the two components have touch of any middleman. He may be and must be their carordinarily the same yellow or white tints.

2 In systems, about which we have color observations sufneat, cheap, and tasteful butter-package protects the butter ficient to enable us to connect the color with the position of in the transit from the milk house to the table of the conthe satellite in its orbit, the principal star is white or pale sumer.

yellow, when the companion is at its periaster (i. e., nearest gold-vellow, or orange.

Particular stress is laid on the appearance of the package, the principal), whereas, in the other positions, it is yellow, for the imagination of the buyer is first and mainly appealed to through the eye. That organ captured, he tries by the

3. The companion follows the principal star in its fluctua-inose, and that not offended, the butter must be tasted. If made by the plaintiff.

tidy housewife and the careful dairyman to place before the fish directly they saw it swimming backward and forward public their gilt edged butter all redolent with new mown in front of the rock. I was astonished that so large a fish hay, and suggestive of cool springs, shady groves, rich pascould be caught in so absurd a manner. The negro holding tures, and peace and plenty among clover blossoms and fra- the pole was not six feet from the fish when it took the bait. -H. N. Moseley.

greasy touch of the huckster and grocer's boy. The butter sweetness, and fragrance in dainty pats and attractive form,

RECENT DECISIONS RELATING TO PATENTS, TRADE MARKS, ETC.

By the U. S. Circuit Court.-Southern District of New York.

STOVE TRADE MARK.-FILLEY V8. CHILD.

The plaintiff having acquiesced for a long time in the rier, but the wants of the business will never be met until a manufacture and sale by defendant of cooking stoves containing certain improvements patented by plaintiff, and to which the name "Charter Oak" had been applied as a trade mark, and the patent having expired, defendant cannot be prevented from calling such stoves by the name of "Charter Oak," so long as he does not represent them as being made by the plaintiff, or induce others to believe that they are