

SCIENTIFIC MISCELLANY.

Business Correspondence of To-Morrow—Sawing Machines for Ice-Bound Harbors—A Black Beauty—Aluminum for Army Use—The Telephone as a Newspaper—A Novel Bicycle Tire—Influence of Fats on Disinfectants—A Larynx Giving Many Voices.

During the past 25 years, says Mr. Patrick B. Delaney, chemical telegrapher has at different times engaged the attention of numerous able inventors. Recent improvements in the perforating machine, transmitter, and receiving instrument for automatic chemical telegraphy have at last brought this ideal plan of rapid communication to a degree of perfection which cannot fail to bring about sweeping changes in transmission of correspondence in general. Between New York and Philadelphia, over a copper wire weighing 300 pounds to the mile, 3000 words per minute can be carried from New York to Chicago. The letter of the future will be dictated to a stenographer, who will perforate it on a paper tape. The tape will be sent to the telegraph office, where it will be put through the automatic transmitting machine, and in a second or two will be at its destination. The receiving tape will be delivered direct, and the plain Morse characters will be translated on the tape-writing machine by the correspondent's stenographer. A message of 16 words from New York to Chicago can be sent every second, and 50 words—about the average of a business letter—in three seconds.

The ice sawing apparatus of M. Camere was tested at Antwerp last winter, and is reported by the United States Consul at Ghent to be a promising idea for keeping open navigation. A strong boat was provided at the bow with an adjustable framework carrying two circular saws, which were driven by a portable engine, the boat being pulled along by a rope fixed some distance ahead and passing over a windlass. A passage 5 yards wide was cut 20 feet per minute in ice two inches thick, but only a third of a mile per day in 8 inch ice.

A black diamond of extraordinary size, weighing nearly 2 pounds, was found in Brazil in July, and has been shown to the French Academy. It is to be broken up, its industrial value being some \$40,000.

The light weight of aluminum renders it especially desirable for utensils for military use, and an investigation has been accordingly made by M. Ballard, a French chemist, to determine whether the metal is really as unsafe as has been suggested. He finds that in the ordinary conditions of a soldier's life aluminum utensils offer a sufficient resistance to wear and friction, to the action of foods and of potable liquids. Foods, etc., have considerable action on prolonged contact, but in actual use the contact is very brief, and the metal takes a clouded appearance and does not appreciably vary in weight after four months of use. Aluminum vessels should never be cleansed with soda, and solderings should be avoided as much as possible.

The telephone newspaper, which has been in successful operation over two years at Budapest, has become almost indispensable to its 6000 subscribers. The service has a main wire of 168 miles, which is connected to private houses and various public resorts. Between 7.30 in the morning and 9.30 in the evening 28 editions are spoken into the transmitter, ten men with loud, clear voices acting as speakers in shifts of two at a time. The news is classified and given in accordance with a regular programme, so that any subscriber knows when to expect the kind of items of especial interest to him. A short summary of all important items is given at noon and again at night, and subscribers are entertained with music and lectures in the evening.

A pneumatic vehicle tire carrying materials for its repair in its interior has been patented by Messrs. J. F. and E. P. Forbes, of Halifax. The materials are in the form of slender strips, filaments, rings, or the like, and arranged so that they may be drawn outward into a puncture of the tire.

One of the pike of the aquarium of St. Petersburg is believed by good authority to have been hatched about the time Columbus discovered America, yet, notwithstanding its 400 years of life, it is in good health.

Mortar of brick-dust and quicklime is now recommended as an excellent and durable substitute for hydraulic cement.

A strangely neglected fact of much importance has been brought to notice by some recent experiments of

Dr. Breslau. It was found by Koch some fourteen years ago that the antiseptic properties credited "carbolic oil," or carbolic acid in combination with olive oil, are lacking, yet the matter has since received very little attention. Dr. Breslau has now reported an exhaustive examination of various disinfectants, such as carbolic acid, corrosive sublimate, boracic acid, nitrate of silver, etc., in combination with oil, vaseline, fat, lanolin anhydricum, lanolin, and unguentum leniens. The degree of antiseptic power proves to be remarkably influenced by the diluent employed, and in all cases the best antiseptic results were obtained by disinfectants in combination with lanolin or unguentum leniens. In experiments, for instance, with 5 per cent of carbolic acid in various substances, it was found that the microbe of boils survived immersion in carbolic oil for 3 days, in carbolic vaseline 1 day, in fat 4 hours, in lanolin anhydricum 2 hours, in lanolin 30 minutes, and in unguentum leniens 20 minutes. Similar results were obtained with other bacteria and other disinfectants. It appears, therefore, that in ointments the disinfectant selected should be used in combination with lanolin or unguentum leniens instead of with oil, vaseline, or other fats.

A steam pipe capable of resisting very high pressure has been patented by a Glasgow engineer. It consists of a copper tube around which is wound steel wire, especial care being taken to ensure perfect contact between the two metals. Soldering is effected by immersing the whole in a fusible alloy whose melting point is above the temperature of the superheated steam.

A new alloy known as "gold-steel," is said to be meeting with favor among Sheffield manufacturers on account of its beauty and durability. It is a composition of bronze and aluminum, and is peculiarly adapted for cutlery.

A very successful artificial larynx for a man who had lost his voice is credited Prof. Anderson Stuart, of the University of Sydney. The changing of certain reeds makes the voice soprano, tenor, contralto or bass, at will.

"The Common People,"

As Abraham Lincoln called them, do not care to argue about their ailments. What they want is a medicine that will cure them. The simple, honest statement, "I know that Hood's Sarsaparilla cured me," is the best argument in favor of this medicine, and this is what many thousands voluntarily say.

Hood's Pills are the best after-dinner pills, assist digestion, cure headache. 25c.

Detective Hussey, of Baltimore, who was in this State in search of Buffalo Bill's Wild West Indian Mohawk, who murdered a small boy in Baltimore, has returned home from North Carolina, where he followed the show in the hopes of arresting the murderer. The grand jury in Baltimore have returned an indictment of manslaughter against the aborigine, but there is going to be trouble in arresting him. It is stated that the Baltimore authorities are prepared for any emergency that may arise on account of the Indian being a ward of the United States, and expect, under all circumstances, to bring the prisoner to Baltimore for trial. A detective from Baltimore has gone to Atlanta where Buffalo Bill now is, to keep Mohawk under surveillance and arrest him at the proper time.

If your children are subject to croup watch for the first symptom of the disease—hoarseness. If Chamberlain's Cough Remedy is given as soon as the child becomes hoarse it will prevent the attack. Even after the croupy cough has appeared the attack can always be prevented by giving this remedy. It is also invaluable for colds and whooping cough. For sale by O. M. Royster, Druggist. 40-4t

Snap Shots.

To some people ignorance seems to be intuitive.

Whether one's taste is good or bad is a matter of taste.

Wealth is sometimes more burdensome than poverty itself.

The consequences are sometimes more than one person can take.

Some Americans ridicule foreign Dukes and then claim to be related to them.

The coward may not be able to keep up his own courage, but he keeps up the courage of somebody else.

The person who attempts to keep one eye on the past and the other eye on the future will run cross-eyed.

The question in some communities is not whether a young man can do anything, but whether he can do anybody.—Galveston News.

GENERAL NEWS.

It is said that Consul-General Williams, at Havana, has become persona non grata to Spain. He is probably too fond of what the Cubans are fighting for—liberty and home rule.

Failures for the week have included two banks and several concerns of some size, and have been 267 in the United States against 231 last year, and 52 in Canada against 43 last year.

The New England Cotton Manufacturing Association will hold its Autumn meeting in Atlanta October 24th and 25th. An excursion party of 200 will leave New York Tuesday, Oct. 22nd.

In the Episcopal general convention the house of bishops agree to the establishment of five "provinces," each presided over by an archbishop; the next convention will be held in Atlanta.

Gov. Evans, of South Carolina, has appointed Dr. Sarah Campbell Allen, a young lady, assistant physician at the State Lunatic asylum. Dr. Allen hails from Charleston and has a splendid reputation as a physician.

Massachusetts is taking the lead of all the States in the matter of building good roads. At the last session of the Massachusetts Legislature the sum of \$400,000 was appropriated for roads, and it is said that at the next session an appropriation of \$1,000,000 will be made.

The action of the "National Republicans" or Republican sugar planters, of Louisiana, in repudiating the negroes and calling for a white Republican party, has caused quite a flutter of excitement and indignation among the old time Republicans and negroes, and they threaten to go over in a body to the Democrats.

The learned men of London are about to issue another revised edition of the Bible, but like the one they issued some ten or fifteen years ago, this one will doubtless quickly drop into innocuous desuetude. With all its faults the old King James version of the book of books will continue to be the popular favorite.

The State Department has received from Ambassador Patenotre, of France, the invitation of the French republic to take part in the French exposition of 1900 which is to usher in the twentieth century. The invitation is in French and is quite long, giving full information of the scope and organization of the project.

The Free Will Baptist church at Jackson, Mich., has inaugurated a new development of modern Christianity. They have got tired of paying a preacher for doing what they can do just as well, or better, themselves; so a dozen of the foremost men in the congregation have agreed to take the pulpit a week about in rotation and dispense with the parson.

The following are the total net receipts of cotton at all the ports since Sept. 1, 1895: Galveston, 188,627 bales; New Orleans, 220,298; Mobile, 33,094; Savannah, 144,199; Charleston, 78,131; Wilmington, 38,927; Norfolk, 28,608; Baltimore, 655; New York, 4,793; Boston, 2,512; Newport News, 247; Philadelphia, 6,401; West Point, 12,857; Brunswick, 3,575; Texas (city), 1,000. Total, 783,894.

Russia's Demand Accepted.

SAN FRANCISCO, Cal., Oct. 19.—Advices by mail from Tokio, Japan, dated September 27, to the Associated Press, state that Japan has been forced to comply with Russia's demand for a speedy withdrawal of the Japanese troops from Liao Tung. France and Germany joined in the demand and the Japanese government was in no position to defy three European powers.

The announcement of Russia's purpose took Japan by surprise. This proceeding has caused renewed bitterness in Japan against Europeans. The Japanese also charge their own ministry with conniving at the nation's dishonor.

TO YOUNG WIVES
WE OFFER A REMEDY WHICH INSURES SAFETY TO LIFE OF MOTHER AND CHILD.
"Mothers' Friend"
ROBS CONFINEMENT OF ITS PAIN, HORROR AND RISK.

"My wife used only two bottles. She was easily and quickly relieved; is now doing splendidly."
J. S. MORRIS, Harlow, N. C.
Sent by express or mail, on receipt of price, \$1.00 per bottle. Book "TO MOTHERS" mailed free.
BRADFIELD REGULATOR CO., ATLANTA, GA.
SOLD BY ALL DRUGGISTS.

Best He Could Do.

The robber presented his glittering pistol.

"Have you a vacancy in your book-keeping staff?" he demanded.

The president of the bank shook his head.

"Well!"

The outlaw sighed. He was palpably chagrined.

"I'll have to be contented, then, with what cash you have on hand."

Stealing \$17,413 '88, he left the place. —Detroit Tribune.

Social Circles.



—Life.

A Phenomenon.

There is a certain barber for whom greatest love I harbor, because he is the best one that I ever yet have struck, and when I've to you related all the reasons why I've stated that this barber is a good one you'll agree that I'm in luck.

Though his smile is omnipresent, though his face is always pleasant, yet he never disturbs my thinking with a solitary word. From the time I strike the door till the shaving job is over he keeps sedate and silent; not a sound from him is heard.

He is not forever cooing that my head needs a shampooing, nor volubly descending on his patent "Brilliantine," nor continually is he chinning that my raven hair is thinning, and that "Jones' hair renewer" is the best he's ever seen.

He speaks not with fond affection of free trade or of protection; of his politics I nothing know from any word he's said. While my bristling beard he's shaving he is not forever raving of how Corbett or Fitzsimmons will mash in the other's head.

All the paragraphs witty have my earnest, sincere pity if the tales are true they tell us of the barbers whom they meet, and who always are a-talking, all attempts at thinking balking, and if they but knew my barber they would say he can't be beat.

What! You say you don't believe me; that you think that I deceive thee; that all barbers are alike, and that my mind is out of plumb? But as sure as I am living 'tis the truth to you I'm giving, though I failed, I think, to mention that my barber's deaf and dumb. —New York World.

Misapplied Kindness.

Misapplied kindness is frequently more unpleasant than literal cruelty. Two women sat side by side in a Brookline car. They were strangers to each other, but one noticed that the other was having serious difficulty arranging a jacket she wore, and which fitted so tightly over her sleeves that it would neither come on nor off. "Permit me," said the other, and she pulled the jacket on one shoulder and jerked up the collar. Still the woman continued to struggle, so that the coat once more slipped down, whereupon the other hauled it into place again. "Now, if you'll turn round, I'll pull up the other side," she said to the wearer. "Thank you," returned the coated one. "If it's all the same to you, I'm trying to get this jacket off," and with a final pull off it came, while the woman who had tried to help her attempted to look out of the window with the air of one who had got enormously rich minding her own business. —Boston Home Journal.

The One Injured.

Minnie—Did you hear about Mollie's fiancé falling off the trolley car and breaking his arm?

Mamie—Yes. I wonder if he will sue the company for damages?

Minnie—I guess not. I shouldn't wonder if she does, though. —Cincinnati Tribune.

A Pleading Variety.

"Why do you make some of your dumplings small and the others large, Frau Huber?"

"Because my husband has been complaining lately of having too little change in his diet." —Unsere Gesellschaft.

Retort Pointed.

Irritable Old Gentleman (savagely, to up to date maiden, who has been to a dance against his wishes)—So you have returned at last, daughter of Satan!

Rebellious Daughter—Yes, father. —London Chips.

Encouraging.

Consumptive (in Colorado)—Is this room well situated for an invalid?

Landlady—It couldn't be better. I've had three consumptives here the past year, and they liked it so well that not one left until he died.—Life.

In Poor Health

means so much more than you imagine—serious and fatal diseases result from trifling ailments neglected. Don't play with Nature's greatest gift—health.

Brown's Iron Bitters

If you are feeling out of sorts, weak and generally exhausted, nervous, have no appetite and can't work, begin at once taking the most reliable strengthening medicine, which is Brown's Iron Bitters. A few bottles cure—benefit comes from the very first dose—if you'll stain your teeth, and it's pleasant to take.

It Cures

Dyspepsia, Kidney and Liver Troubles, Constipation, Bad Blood, Malaria, Nervous ailments, Women's complaints.

Get only the genuine—it has crossed red lines on the wrapper. All others are substitutes. On receipt of two 2c. stamps we will send set of Ten Beautiful World's Fair Views and book—free. BROWN CHEMICAL CO. BALTIMORE, MD.

CLINTON A. CILLEY ATTORNEY AT LAW, HICKORY N. C.

Practices in the courts of this and adjoining counties, also in the Federal courts. meh 8 1y

W. L. LOWE

HAS the largest stock of Musical Instruments in North Carolina, and his prices are the lowest. Come to see me. Orders by mail have prompt attention. Address W. L. LOWE, Newton, N. C. May 9, 1895.

NOTICE.

I WANT every man and woman in the United States interested in the Opium and Whisky habits to have one of my books on these diseases. Address B. M. Woolley, Atlanta, Ga. Box 382, and one will be sent you free.

Chamberlain's Eye and Skin Ointment Is a certain cure for Chronic Sore Eyes, Granulated Eye Lids, Sore Nipples, Piles, Eczema, Tetter, Salt Rheum and Scald Head, 25 cents per box. For sale by druggists.

TO HORSE OWNERS.

For putting a horse in a fine healthy condition try Dr. Cady's Condition Powder. They tone up the system, aid digestion, cure loss of appetite, relieve constipation, correct kidney disorders and destroy worms, giving new life to an old or over worked horse. 25 cents per package. For sale by druggists.

OF COURSE YOU WANT

THE BEST OF COURSE YOU WANT

The Cheapest.

Well, When You Want

THE BEST GRADE

Job Printing

LOWEST PRICES.

Send us your order—it perhaps will save you money, and we guarantee to furnish you as FINE WORK as is done anywhere. Call and see samples, or send us your orders by mail. This is no idle tale—we mean what we say—we will furnish you

THE BEST WORK

THE LOWEST PRICES.

Address HICKORY PRINTING CO. Hickory, N. C.