

straw, whether for sheep or oxen, and thus get into such a state, that a small quantity of corn will suffice to complete the fattening. By following this method he has obtained good animals for the butcher, paying their keep and leaving a profit.

#### SCIENTIFIC, &c.

**BONELLI'S PRINTING TELEGRAPH.**—Messages have now been forwarded and delivered in a distinct Roman type on the Liverpool and Manchester route, where the modern locomotive and railway system was finally established. The advantages of the Bonelli system are rapidity and accuracy, and these are attained through the passage of a rule of type under a comb containing five teeth each of which is insulated, and represents the termination of a line wire. Thus it will be seen that the instrument requires five line wires to work it efficiently, but the same wires are used for the up and down traffic; and, as the rules of type pass under the comb, the messages are legibly printed off at the rate of 400 words per minute, with an accuracy amounting to certainty. Any errors are corrected before the despatch of the message, and thus the transmission of them is checked at the outset. The system of the promoters of the Bonelli telegraph enables them to make a reduction in the charge of transmitting telegrams.

**HOW TO CURE A SMOKY CHIMNEY.**—“I have just succeeded,” says Mr. C. Butler Clough, “in curing an obstinate smoky chimney by the aid of a zinc covering outside a common earthenware chimney pot, having two openings in the zinc, one east and the other west. There are also two partitions or stoppers, north and south, to prevent the draught from escaping by the opposite opening. By the aid of this contrivance an upward current of air is carried outside the flue to its top, on the windward side of the chimney. I have now had the plan in use for some time, and in the face of several most violent storms not a particle of smoke or soot has come down the flue. In other rooms, the soot was blown on to the floor to a large extent.”—*Mining Journal*.

**NEW ROCK-BORING MACHINE.**—An improved mechanical drill, which is calculated to materially facilitate progress

in mining and quarrying operations, by completely superseding the ordinary slow and laborious process of hand boring, is being introduced by Mr. W. C. Harrison, of Pimlico. The machine can be driven either by men or by steam-power, according as the one or the other may be at disposal; it stands on a base seven feet by two feet eight inches, and is five feet six inches high. The machine is stated to have worked very successfully in boring holes from one inch to two inches in diameter, and that the rate of ten feet to sixteen feet an hour, depending upon the quality of the slate or other material being operated upon, has been maintained. Amongst the advantages claimed for the machine may be mentioned the circumstance that, without deranging the framework, the boring-bar can be set higher or lower, or at any angle that may be required above or below the horizontal line.

One ounce of pulverized borax and half-an-ounce of gum camphor put into one quart of boiling water, and bottled for use, will be found invaluable for removing greese spots or dirt from all woolen goods.

#### News of the Week.

Addresses were presented on Monday to His Excellency Vice Admiral Milne—by His Worship the Mayor and the City Council; and also by a deputation of gentlemen, in behalf of the citizens. Over twelve hundred signatures were attached to the latter. As the Patron of the Caledonia Club, His Excellency received an address from the chief and officers, on Wednesday. To each address His Excellency replied in suitable and courteous terms.

The Reporter of this evening says—His Excellency the Admiral, Lady Milne and family, embarked on board the flagship Nile, 78, yesterday afternoon. The Admiral and a portion of the squadron now in the harbor, will leave for Bermuda shortly after the arrival of R. M. steamship Asia from England. The Admiral formally embarked this forenoon at 10½ o'clock, under a salute of 15 guns fired from the citadel. A Guard of Honour from H. M. 17th Regt. attended His Excellency's embarkation at the Dockyard, where also were assembled His Excellency the Administrator of the Government and Heads of the Military Departments.

A correspondent of the Reporter, writing from Sherbrooke, states that a new

lead, about four inches thick and very rich, has just been discovered on the lot owned by the Chebucto Company at Goldenville.

Dalhousie College was formally opened on Tuesday, as a Provincial University. The ceremonies took place in the large room formerly occupied by the Mechanics' Institute, in presence of a large and select audience. His Excellency Major-General Doyle presided on the occasion, and opened the proceedings with an appropriate speech. The meeting was also addressed by the Chief Justice. After naming the Professors, and enumerating the qualifications they severally possessed, His Lordship introduced Professor Ross, the Principal of the Institution, who rose and delivered an inaugural address of a very suitable character.

Monday last, being the 22d anniversary of the birth of His Royal Highness the Prince of Wales, the Citadel and principal buildings were gaily decorated with flags, in honor of the occasion.

The Catholic Institute commenced its winter course on Tuesday evening.

**HALIFAX CITIZEN** is the name of a new tri-weekly paper published by Messrs. Garvis & McDonald—the 1st No. of which was issued on Thursday evening last. Its appearance is in every respect very creditable to the publishers.

Charles Gray, Esq. of Springfield, N. B. has produced a second crop of ripe peas this season. They are said to be perfectly ripe and fit for seed.

Fine catches of mackerel have been made in our harbour during the last few days.

Norton the coloured man who had been lately tried and convicted, for poisoning his wife, was executed at Annapolis, on Monday last, in presence of a large number of persons. He expressed sincere sorrow and repentance for the crime for which he was condemned to suffer.

We learn from the Reporter that the County jail was discovered to be on fire, about half-past five o'clock last Tuesday evening. By prompt action on the part of the Jailor and his assistants the flames were subdued before much damage ensued. Two prisoners effected their escape during the excitement; and a third, who was partially smothered in one of the cells, was conveyed to the Poor Asylum. A prisoner named McDonald, was found the morning of the fire with his manacles off, and matches in his possession. He was at once secured, and the matches taken from him. It is surmised that another prisoner had freed himself of his chains without attracting attention, and that he had set the man McDonald free. These two, after firing the Jail, succeeded in making their escape. Up to the present time the Police had not recaptured the runaways.