

Scientific, &c.

COPPER MINING.

The present spread of knowledge, and the power of knowledge on the world, has its disadvantages. It deranges the course of production in mining by opening up sources hitherto inaccessible.

Ten thousand people live here above the clouds, engaged in mining. Women and boys pick over the ores coming out of the mine, which are in some cases, crushed and washed, the refuse being still preserved as available in the future.

It is the largest piece of ordnance in the world, not excepting those ancient Titans—the Bejapore gun, called the "King of the Plain," the huge stone ball canon of the Dardanelles, and "Mons. Meg."

A CALIFORNIAN STEAM DITCHER.—The Scientific Press gives the following sketch of a steam ditching machine now on exhibition in San Francisco: "On a frame 41 feet long and 12 feet wide, mounted on four wooden wheels, are placed a 23 horse power steam engine, the cutting apparatus, and the belts for raising and discharging the earth."

to the side of the ditch by a horizontal belt. The machine is claimed to be able to cut daily from one to two miles of ditch 4 1/2 feet deep, 4 feet wide at the top, and 28 inches wide at the bottom.

THE LARGEST GUN IN THE WORLD.

The latest born offspring of the art of destruction is a thirty-five ton gun, just completed at the Royal Arsenal, in England. This monstrous creation was made upon the coil principle, with two strips of wrought iron, which, before they were wrapped round the core, were about 150 feet in length.

It is the largest piece of ordnance in the world, not excepting those ancient Titans—the Bejapore gun, called the "King of the Plain," the huge stone ball canon of the Dardanelles, and "Mons. Meg."

COMPARATIVE VALUE OF CATTLE FOODS.

Table with 4 columns: KINDS OF FOOD, Per cent. of fat, Per cent. of protein, Total amount per cent. Includes items like Potatoes, Sugar Beet, Mangel Wurtzel, etc.

TO KEEP THE CREAM.

Stone jugs are sweeter for cream, in our estimation than tin ones. When the first skimming of cream is deposited, add one tea-spoonful of salt and one heaping tea-spoonful of saltpetre.

MESSENGER ALMANACK. MARCH, 1871.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. Lists dates from 1st to 31st of March.

THE TIDE.—The column of the Moon's Southings gives the time of high water at various places.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes later than at Halifax.

FOR THE LENGTH OF THE DAY.—Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning.

NEW MUSIC BOOKS. Includes musical notation and text for 'THE VOCALIST' and 'LINTON'S INDUCTIVE METHOD'.

TOOTHACHE. EAGAR'S ODONTINE ESSENCE. Gives instantaneous relief in all cases of Toothache arising from hollow teeth and exposure of the nerve.

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I have tried Mr. Egar's PERUVIAN BITTERS, and can strongly recommend them.

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