

1. It is between 2 and 3 o'clock, but a person mistaking the hands thought the time to be 55 minutes earlier than it really was. What was true time?

Can there not be any number of answers to the above problem?

2. A and B engage to reap a field for \$90. A could reap it in 99 days, and they require to finish it in five days, in consequence of which they were obliged to get C to help them for the last two days, and B received \$3.75 less than he otherwise would have done. In what time would B or C reap the field?

ANSWERS TO QUESTIONS. — In discharging a gun, at what time does it recoil, before or after the charge leaves it? In either case what causes the recoil? The recoil is before it leaves the gun. The same cause which projects the bullet forward shoves the gun backward.

The above answer is not quite satisfactory as it gives no proof of the first statement, and fails in the second to explain what the "same cause" is. The sender, whose card we have mislaid if we received it, sends a good solution of the ten acre question. We shall wait a little for a better answer to the gun question.

Answers to questions in No. 2, (Jan. 12th, 1885):

1. Why are rain drops round? Because the particles of water of which they are composed are held together by cohesion: they attract each other, and thus arrange themselves around a common centre.

2. "All is not gold that glitters." — Shakespeare.

"The paradise of fools." — Milton.

"The rolling stone gathers no moss." — Thomas Tasser.

"Men are but children of a larger growth." — Dryden.

Burns P. O., Ont.

WILLIAM WADDELL.

Mr. Waddell sends correct answer to question about 10 acre field.

All Sorts.

A truly courageous man may be very much afraid; but he can never act the part of a coward. When the crisis comes, he will nerve himself to action, and prove not that he is fearless, but that fear is his servant, not his master.

Weller is dead; the intimate friend whose name Dickens immortalized in "The Pickwick Papers." Fully styled he was Captain Charles Weller, and he reached the age of 85. "His daughter, Mrs. Thompson," says the *World* (London), "is an artist of some repute; but the celebrity of his granddaughter, Mrs. Butler (Miss Elizabeth Thompson), was a source of great and legitimate pride to the old gentleman."

An American lady speaking of tobogganing said:—"My first experience was very much the same sensation I should expect to feel, if I were suddenly dropped from the roof of a house; but now I have learned to hold my breath and enjoy the sport immensely."

Success doesn't happen. It is organized, prompted, captured by consecrated common sense. — *Frances E. Willard.*

"The Spectator," in the Christian *Union* pledges his word of honour as a Christian and a gentleman, that he copied with his own pencil the following lines from the obituary notices in a column of the Baltimore "*Sun*":—

"He heard the angels calling him
From that celestial shore;
He flopped his wings, and away he went
To make one angel more."

—By his son.

"I believe the Lord can save reporters," said a New Haven hallelujah lassie recently. "I knew one who was converted. He left the business, and afterwards followed an honest life."

Meissonier's little picture "The Vidette," sold for \$22,500. Fifty years ago he was making drawings, which brought from \$4 to \$8.

Some thousands of pounds of candy have been thrown in the garbage scows, towed outside the harbour of New York, and committed to the deep sea, being condemned on account of the poisonous materials used to give it colour and taste. No doubt hundreds of thousands of pounds, should go the same road, finds its way into the stomachs of children, little and big.

It is reported that the decayed and dead parts of white moss, abundant in Sweden and Norway, make a much stronger paper than can be made from wood pulp.

London *Truth* mentions a nobleman, who voted for making boycotting a criminal offence, yet last week took his custom away from a butcher who opposed home agriculture by selling New Zealand mutton.

A Hartford man, now over 80 years of age, who has smoked for over sixty-seven years, has kept an account of his cigar expenses, and finds that if he had invested the same sum every six months and placed it at compound interest, he would now have \$200,000 to his credit.

Mr. Lawrence Barrett speaks enthusiastically of Robert Browning. "A grand type of manhood!" he says; "a magnificent writer; broad, ruddy, not too tall; with snowy hair and moustache and goatee beard; courtly, gracious, a perfect talker, and always poetical in his thoughts."

At a school examination a clergyman was descending on the necessity of growing up loyal and useful citizens. In order to emphasize his remarks he pointed to a large flag hanging on one side of the school-room, and said:—"Boys, what is that flag for?" An urchin who understood the condition of the room better than the speaker's rhetoric, exclaimed:—"To hide the dirt, sir."

No metal is capable of so much working and will so reward the labor put upon it as iron. The following table will give some idea of the value per pound:—

A pound of good iron.....	\$.04
A pound of bar steel.....	.17
A pound of inch screws.....	1.60
A pound of steel wire.....	7.00
A pound of sewing needles.....	14 00
A pound of fishing hooks.....	50.00
A pound of jewel screws.....	3 500.00
A pound of hair springs.....	16,000.00

Literary Review.

The Minutes of the Twenty-fourth Annual Convention of the Ontario Teachers' Association comes to us from the press of C. Blackett Robinson, 100 John Street, Toronto. This report is especially valuable to teachers as giving them in permanent form the addresses and papers read before the Convention by the Minister of Education, Principal Grant, Colonel T. W. Parker, J. L. Hughes, G. W. Johnson, F. J. Mitchell, W. Carlyle, and A. P. Knight. These papers all bear marks of careful preparation, are on live educational topics, and will repay careful perusal by teachers.

THE PACIFIC BRITISH COLUMBIA, is a book or pamphlet of some 26 pages, by J. B. Ferguson & Co., Victoria B.C. In addition to a large amount of descriptive letter press, it abounds with beautiful illustrations of towns, harbours, buildings and scenery in the Pacific Province. The work is designed to establish and no doubt goes far towards doing so, the strong proposition with which the author sets out, that no other Province of Canada has resources great, varied and inexhaustible, a climate so healthful, invigorating and agreeable; abounding in excellent harbours, safe entrances to navigable streams and long stretches of inland sea, or sheltered gulf, sounds, bays and inlets; such a wealth of economic and precious metals, timber, coal and fish; none for which nature has done so much—and man so little." We commend the work to all who want information about the Pacific Province.

THE YOUNG PEOPLE, for Young People, is a bright and attractive Monthly, published by E. L. Kellogg & Co., New York. The January number is to hand with some fine illustrations as well as readable sketches and stories.

THE HEROES, OR GREEK FAIRY TALES for my children, by Charles Kingsley, comes to us from the press of Ginn, Heath & Co. This charming reproduction of some of the most interesting classical legends in simple and choice English, needs no commendation from us. The illustrations are fine, and the paper and letter press of the best quality.

THE MONTHLY HEALTH BULLETIN, of Ontario, for the months of October and November, has been received. The publication was delayed in consequence of the pressure of work caused by the extensive outbreak of small-pox in Hungerford. In addition to a review of the general state of health during the two months, and notes on the producing causes of the most prevalent diseases, this valuable report contains a health map of Ontario, and a set of diagrams showing the six most prevalent diseases in each of the ten districts into which the province has been divided for the purpose and the area and percentage order of their prevalence.