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THE STUDENT AND SCHOOLMATE

AN ILLUSTRATED MONTHLY FOR ALL OUR BOYS & GIRLS.

VOLS. XXI-XXII.

(1868)

BOSTON:
JOSEPH H. ALLEN, PUBLISHER,
No. 203 Washington Street.
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STUDENT AND SCHOOLMATE

An Illustrated Monthly,

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VOL. XXI. JANUARY, 1868. No. I.

FAME AND FORTUNE,

OR THE

PROGRESS OF RICHARD HUNTER.

CHAPTER I.

A BOARDING HOUSE IN BLEECKER STREET.

"WELL, Fosdick, this is a little better than our old room in Mott Street," said Richard Hunter, looking complacently about him.

"You 're right, Dick," said his friend. "This carpet's rather nicer than the ragged one Mrs. Mooney supplied us with. The beds are neat and comfortable, and I feel better satisfied, even if we do have to pay twice as much for it."

The room which yielded so much satisfaction to the two boys, was on the fourth floor of a boarding house in Bleecker Street. No doubt many of my young readers, who are accustomed to elegant homes, would think it very plain, but neither Richard nor his friend had been used to anything as good. They had been thrown upon their own exertions at an early age, and had a hard battle to fight with poverty and ignorance. Those of my readers who are familiar with Richard Hunter's experiences when he was "Ragged Dick," will easily understand what a great rise in the world it was for him to have a really respectable home. For

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how well the boys of the village had used it for that purpose. Not far off was a grove of trees and plenty of underbrush, and from these the boys collected the fuel for their fire, one or two large stones made a resting-place for the tin kettle, into which Nat poured all the molasses from the bottle. Pretty soon it began to boil, and one of the boys stirred it with the iron spoon, while the other hunted up fuel to keep the fire burning.

"It's grand fun making candy out here, is n't it?" said Nat, as he threw an armful of sticks on the fire.

"Tip-top!" replied Sam. "But there's one thing we forgot to bring, Nat."

"What was it?" asked Nat.

"Some butter, to rub on our hands when we take it from the kettle to 'work' it, so that it shan't stick," replied Sam.

"So we did, now that's a pity, what shall we do?" asked Nat.

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JOHN MAYNARD.*

A Ballad of Lake Erie.

'TWAS on Lake Erie's broad expanse
One bright midsummer day,
The gallant steamer Ocean Queen
Swept proudly on her way.
Bright faces clustered on the deck,
Or, leaning o'er the side,
Watched carelessly the feathery foam
That flecked the rippling tide.

Ah, who beneath that cloudless sky
That smiling bends serene

* The incident upon which this ballad is based occurred some years since, and has been used by Mr. Gough as a powerful and effective illustration in one of his lectures.

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Oxygen, Chlorine, Bromine, Iodine, Fluorine, Sulphur, Selenium, Nitrogen, Phosphorus, Carbon, Silicon, Boron, Hydrogen.

OXYGEN. — It will be best to commence our study of the elements with the smaller division, viz., the metalloids, not discussing them in the order indicated by the table, but first considering the great constituents of the ocean and atmosphere.

This invisible, ever-present, substance Oxygen, — with its animating influence on every living being, — is one of the six permanent cases, i. e., never having been liquified either by great pressure or otherwise — more abundantly diffused throughout nature than any other of the simple bodies. As we have observed, it forms eight-ninths of the weight of water, also one-fifth the weight of the atmosphere, and probably half of the solid earth. It was discovered by Priestly in the year 1774, who named it dephlogisticated air; its present name was given it by Lavoisier.

There are no very good means known to separate Oxygen from NITROGEN, with which it is mingled in the air, therefore we will select the same compound used by the discoverer of Oxygen, to show how it can be prepared. It is always obtained for experiment from one of its compounds which are very numerous.

Red precipitate, or in chemical language, Oxide of Mercury, is a compound of one atom of Mercury with one of Oxygen. The attraction between these two elements is so feeble, that — well! we will wait until we come to the process.

Fig. 1

A little oxide of Mercury is placed in what is known as a "test tube" of hard glass, then connections are made by means of two "clay pipes,"

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The moon is the greatest weather regelater there is! Why, when I was young, we allus looked to see where the moon quartered afore we went to mill, and we allus killed our hogs on the grow of the moon, because if we did n't, the pork was shure to shrink in the pot.

Peter. Grandma has driven every idea out of my head. What shall I say about the moon, Charles?

Charles. Oh, I dunno. Say something yourself.

Peter. I can't think of anything. I wish I had a hymn book, or something. I 'd steal a line or two, by golly! Let me think—

"Majestic orb that through the sky dost ride—"

now, Charles, what will rhyme with that?

Charles.

"Majestic orb that through the sky dost ride—
I mean the moon, and hang it! let her slide!"

Clara Augusta.

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TANGLED THREADS

TO all our friends, a "happy new year." To many we have presented our congratulations through a succession of years; to many more this is our first opportunity. To the former, we renew our desire to cause the year to show improvement in our pages; to the latter, we extend a most cordial greeting, and venture to hope that our efforts will meet their expectations.

With the advance pay for the present year came many encouraging words, and we should like to give a specimen to our readers, were it in good taste. But one, having a word of suggestion as well as encouragement, deserves notice. Walter S. says, "We are always in great commotion to get your magazine, and the only fault we find, is, that Ragged Dick is too short in each number." — What say you, Mr. Alger?

Again, Master Goss complains, "My numbers come very irregularly, and *I cannot do without them*. Do send them more punctually." My dear fellow, the fault is not with us, but at your own Post-office. The numbers are sent regularly, and should reach you on the *first* of every month, you being but a few hours ride from Boston. But in all cases of non-arrival of the SCHOOLMATE within a day or two of its usual receipt, we should be notified, that the error may be looked up, and corrected.

What think you all of our new cover, which our gifted friend Mr. Charles W. Reed, has designed, and which Mr. John Andrew with his usual skill has engraved. We confess to be much pleased with its appearance, and hope that it will give equal pleasure to those for whom it has been prepared.

TRACY TOWNE, whose "Daffy and Dix," and other stories, are well remembered, sends us a sprightly sketch, and we gladly embrace the opportunity to add this name to our list of contributors, published last month, *all* of whom, will contribute during the year.

The author of "Rosa Bonheur," a sketch which was extensively copied, has sent us a story, which will soon appear.

A talented writer, whose long residence in Europe has given him unusual opportunities for observation, is preparing a series of sketches both interesting and instructive.

As a new feature, we are promised a series of problems prepared expressly for this magazine by an experienced teacher, one of which will appear each month, and a prize will be offered to our regular subscribers for a correct answer. The first one appears in the present number, and for the first correct answer (due allowance being made for distance) we will give either a bound volume for the years 1865, 6, or 7, or of these popu-

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phia. Sold in Boston by Lee & Shepard. Price 25 cts.

This is a reprint of Mr. Dickens' criticisms on American Society, first published some twenty-five years ago, and this very cheap book will enable all to judge whether the indignation then excited by its appearance, was well founded or not.

THE LADY'S ALMANAC, published by George Coolidge, Boston, is a very neat miniature volume, containing, in addition to the usual astronomical tables, a choice selection of literary matter, showing the good taste of Mr. Coolidge, and worthy of universal adoption by those for whom it has been so carefully prepared. No lady should be without it.

Answers —

To Tangled Threads in December number.

1. Customary.
2. It never rains but it pours.
3. Excelsior.
4. Chinese Empire.
5. Dog. Ore. Gem.
6. Ape. Pea. Ear.
7. R-apine. 8. S-alad. 9. B-alance.
10. C-arat. 11. C-abin 12. M-alady.
13. B-asin. 14. D-amask. 15. L-astage.
16. R-apier. J-apan.
18. A. had 10. B. had 5.
19. Sugar cost 12 cts. Butter 25 cts. per. lb.
20. He-n. 21. Be-d 22. In-k. 23. Eve-n.
24. Winter Garden. (Edwin Booth's Theatre destroyed by fire in the summer of 1867.)

1. Geographical Rebus.

2. Geographical Rebus.

3. Charade.

My first, when kept in bounds by man,
More slavish is than man can be,
More willing to perform his plan,
His will obey, do his decree.
But let me break my bond or chain,
My master's hand cast off from me,
My course pursue, my road but gain,
And then, my masters' ye shall see.
That though so mild I seemed to be,
How when set loose I spurn the rein
And scour with fury all the plain.
My second, once in times of old,
By gallant Grecians and their crew,
'Gainst walls and castles, works of mould,
Large boulders of hard granite threw.
From what is said, and shall appear,
Judge thou my whole. 'T is coming near,
For hark! whence comes that noise so loud,
Those cries that turn night into day,
Ah, see how through the frightened crowd
An awful monster winds its way,
Heedless of woman, man, or child,
'Mid smoke and spark, and scream, and yell,
It darts through streets and alleys wild,
Like to a monster sent from hell. S.

4. Puzzles.

Complete, it is a house for cattle, behead it, and it is a stand, behead again, and it is ability, transpose, a bundle, now, behead again, and it is a kind of liquor. ROB ROY.

Anagrams.

5. Mc Har on gin.
6. Tom got fern. RICHDORE.

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7. Enigma.

I am composed of thirty-four letters.

My 22, 30, 5, 20, 7, 22 is a place for a fire.

My 15, 10, 20, 9, 2, 18 is a Turkish head-dress.

My 1, 13, 28, 17 is a small insect.

My 34, 26, 33 is a machine.

My 18, 19, 4 is at present.

My 32, 1, 6, 13, 9, 10, 8 is a large carriage.

My 12, 10, 25, 16 is to put to rest.

My 29, 19, 32 is a game at cards.

My 31, 26, 14, 21, 16, 30 is diminutive.

My 3, 23, 24 is a nickname.

My 27, 10, 11, 32, 20 is one who instructs.

My whole is one of Edward Young's quotations. OUR JACK.

8. Arithmorem.

1. 50 and "tap" — to interweave.
2. 51 and "sea" — a walk.
3. 100 and "or" — to revolve
4. 551 and "y" — a pastoral poem.
5. 50 and "base"—a valuable animal.

The initials, read downward, form the name of an important city in the old world. ARTIE CRAYTON.

Prize Problem.

THREE brothers of the family A; four of the family B; together with C. D. E. F. and G. invest a certain sum of money in merchandise. But the goods being partly destroyed by fire and partly damaged by water, they sold the part saved for $73.71. They invested in a peculiar manner, and agreed to divide the gain, or suffer loss in the same manner. The three members of family A. are each to receive $\frac{3}{351}$ of $\frac{1}{3}$ of the amount, each member of the family B. $\frac{400}{1005}$ of the amount, each member of the family A. receives, $\frac{1}{170}$ of C's. share is $\frac{1}{2}$ of the amount each member of the family B. receives. D. receives twice as much as C. $\frac{1}{170}$ part of D's. share equals E's; F. receives $2\frac{1}{4}$ times $\frac{1}{10}$ of D's share; G. receives 7 times as much as D. How many dollars ought each member of the family A. and each of the family B. to receive? How much C. D. E. F. and G.?

Who will send us the first solution of the above problem, and receive the prize as stated on first page of "Tangled Threads?"

Illustrated Rebus.

Pithy and Pointed.

....When Sir Walter Scott was urged not to prop the failing credit of an acquaintance, he replied: "The man was my friend when friends were few, and I will be his now that his enemies are many."

....Many an unwise parent labors hard and lives sparingly all his life, for the purpose of leaving enough to give his children a start in the world, as it is called. Setting a young man afloat with money left him by relatives, is like tying bladders under the arms of one who cannot swim; ten chances to one he will lose his bladders and go to the bottom. Teach him to swim and he will never need the bladders. Give your

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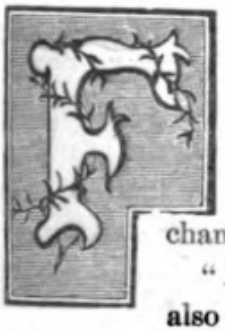
PROGRESS OF RICHARD HUNTER.

CHAPTER II.

INTRODUCTION TO MERCANTILE LIFE.



RANK WHITNEY was indeed surprised to find the ragged boot-black of a year before so wonderfully changed. He grasped Dick's hand, and shook it heartily.

"Uncle," he said, "this is Dick. Isn't he changed?"

"It is a change I am glad to see," said Mr. Whitney, also extending his hand, "for it appears to be a change for the better. And who is this other young man?"

"This is my private tutor," said Dick, presenting Fosdick, "Professor Fosdick. He's been teachin' me every evenin' for most a year. His terms is very reasonable. If it had n't been for him, I never should have reached my present high position in literature and science."

"I am glad to make your acquaintance, *Professor* Fosdick," said Frank, laughing. "May I inquire whether my friend Dick owes his elegant system of pronunciation to your instructions?"

"Dick can speak more correctly when he pleases," said Fosdick, "but sometimes he falls back into his old way. He understands the common English branches very well."

"Then he must have worked hard, for when I first met him a year ago, he was ——"

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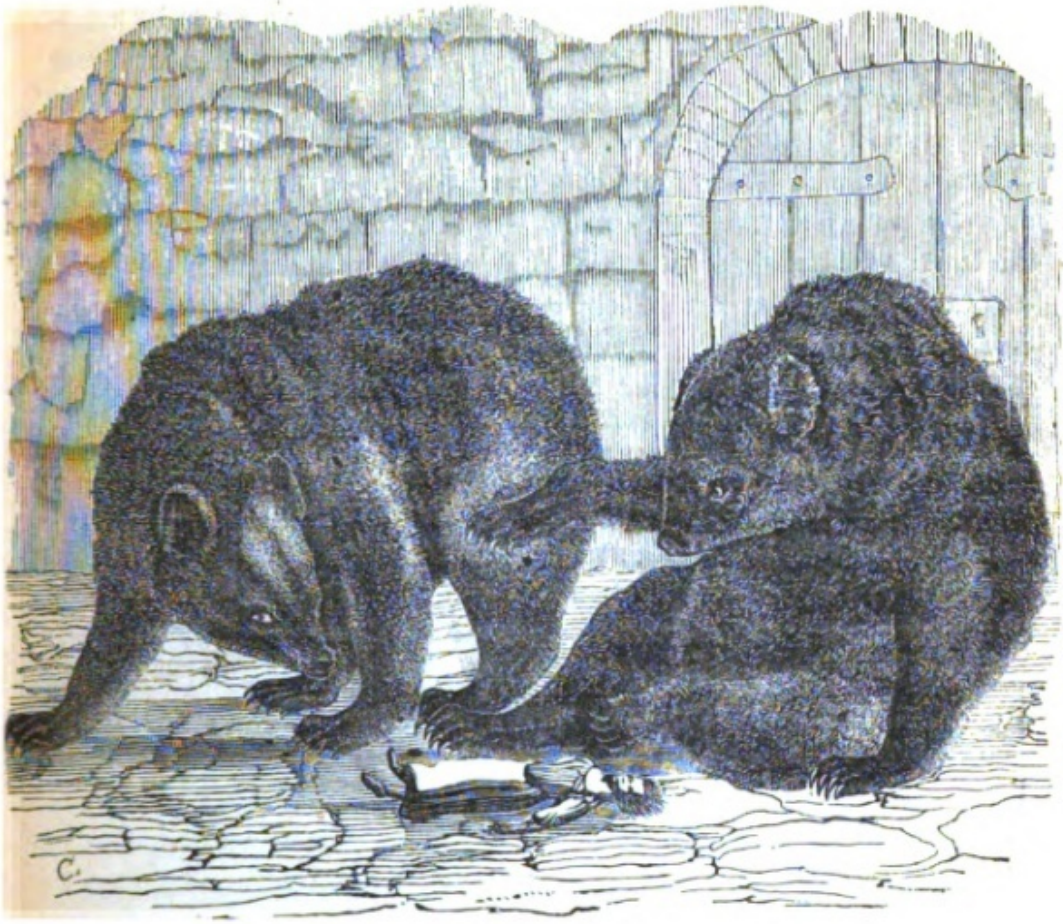

THE BEARS OF BERNE.

BERNE, the capital of Switzerland, is the most beautiful city in the country, and one of the finest in the Old World. It is built upon the slope of a high hill, and the crystal river Aar winds gracefully around all sides of it, but the west, where tasteful public walks occupy the place where fortifications frowned of old. The two picturesque bridges, spanning the river; the handsome public edifices, the massive freestone dwelling-houses, built upon arcades, and numerous sparkling fountains, and silvery rills, constitute much of the charm of the place. Yet, its romantic site renders it, in a measure, independent of works of human art and labor. The Aar forms here a most magnificent cascade, and the city commands a noble prospect of the Swiss Alps, including Mont Blanc. And we know that

> "Mont Blanc is the monarch of mountains,
> They crowned him long ago,
> On a throne of rocks, in a robe of clouds,
> With a diadem of snow."

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