

TEACHERS' DESK.

J. C. GLASHAN ESQ., EDITOR.

—Contributors to the 'Desk' will oblige by sending answers with their questions and solutions with their problems. Attention is called to 'Young Teachers' Queries'; other questions of like practical character are solicited, as also are *essays* and *discussions* in answer. The latter should be on separate sheets from any matter intended for the 'Desk,' as they will be handed to the General Editors for insertion among "Contributions."

CORRECT ANSWERS AND SOLUTIONS RECEIVED.

Jno. Pierce, Ailsa Craig, 32, 33.

A McIntosh, Pinkerton, 32, 33, 34, 35, and 36, as in our common arithmetic.

EXTRACT FROM A LETTER FROM H. T. SCUDAMORE.

"The institution of the 'Desk' is calculated to do much good; more especially if teachers correspond therewith liberally. It is not desirable that the correspondence should be printed every time, nor should they desire it; for the 'Desk' is limited in space. Yet multiplicity of correspondence is requisite to insure vivacity and variety. Neither should the problems offered be all of a recondite order. There are several thousand teachers in Ontario, besides advanced pupils, and many others taking an interest in education; and amongst so many is much diversity of talent. Therefore, should there be a diversity in the subject matter of the problems and queries. Besides, the 'Desk' desires to 'promote' information; therefore, do you want to know anything, enquire of the 'Desk,' which, though without a tongue, can reply in many voices. It is also desirable that a goodly number of queries be sent, that the Editor may have wherewith to make choice. As preaching without practice is apt to be unprofitable, I herewith send a few, which, if acceptable, are at your service when fit opportunity occurs."

ANSWERS TO PROBLEMS ALREADY GIVEN.

29 The poet seeks to combine allusion to the eagle as the emblem of *The Empire* with its poetic use, as representing the heroic. 'The Fox' refers to the French nickname of Louis Philippe, and is here chosen for the purpose of contrast with *The Eagle*, Napoleon Buonaparte.

"The 'Fox' represents Louis Phillippe, who was the first to bear the title of King of the French. Reynard is the prince of craft, and Louis was especially cunning and tortuous in policy. Whilst the

Lion and the Bear fought over the proceeds of their united chase, Reynard sneaked in and carried the spoil away. Whilst Legitimists and Republicans contended, Louis Phillippe crept slyly in and stole away the kingdom. The Fox, with all his craft and multiplicity of resource, was caught at last, and Louis Phillippe — — Well, there was a certain Mr. Smith landed at Brighton, having made his escape from France, one drizzly morning in 1848." H. T. SCUDAMORE.

30 The proposed answer is incorrect, and can only be obtained by a method which, to one working by the general rule, misses the *only point* in the question; viz: if working in gains, to *subtract a loss add an equal number of units of gain*. Gross gain first 11 yrs. is £2030. 6s. 6d. But the first year he *lost* £76. 8s. 4d. so in the remaining 10 yrs. he must have made up this sum, and gained, *over and above it*, the £2030. 6s. 6d. or, from 1854 to 1863, both inclusive, he gained £2106. 14s. 10d., and in 1864 he gained £151. 9s. 10d. or during the last 11 yrs. he gained £2258. 4s. 8d. or an annual average of £205. 5s. 10½d.

31. (a.) *To dispose* means here to *incline, to influence, to determine*. The last was one of the post-classical meanings of *dispono*.

(b.) *Willing* refers to the condition of us, to which it belongs; *from ourselves* belongs to *lead*.

32 I have the use of the money (worth 8 per cent. per annum) for 6 months, hence my gain is 4 per cent. This will not be gained until the *end* of the 6 months. One contributor gave the *present value* of the 4 per cent. He really answered, "What will be the *immediate value* of my gain &c.?"

33. The question was proposed as one in book-keeping, and was generally solved as such.

"Let Jones open a cash account:

	Dr.	Cash	Cr.
To cash	\$222.10	By grain	\$1346.40
To grain	1171.97	By salary	48.12
To bal. due	.45		
			<u>\$1394.52</u>

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34. *Namely* has been discussed by grammarians, and accounted for in every way, possible and impossible. The difficulty arose from the adverb being used for the ablative, and from a confusion of the English namely with the Latin viz. or *videlicet*, the Englishing of which *being forsooth*, might have given the hint for disposing of *namely*. The