

tion connecting the two objects of 'touch,'—'nought and 'garment.' This gives 'garment' an object relation to 'touch' which is its evident syntax. 'But' is equivalent to 'no more than' or 'none except' and excludes all else but 'garment,' consequently the antecedent term of the couple connected must be a negative word. And, since 'but' in itself conveys that negative meaning, 'but' is very frequently considered an adverb, by supposing an ellipsis, 'but' can generally be made to plainly appear a conjunction, though the propriety of constantly supplying 'words understood' is very severely censured by some very eminent men. Still it seems here plainer to use to call 'but' a conjunction,

W. S. HOWELL.

PROBLEMS AND QUERIES.

75. If a walking cane AB, 40 inches long be suspended by a string SD fastened to the middle point D, a body hung on at E 6 inches from D, will be balanced by a weight of 2 lbs., hung on at the large end A. If the body be removed one inch nearer to D, the weight on the other side must be moved to G, within 3 inches of D, before the cane will be in equilibrium. Required the weight of the body.

From 'Hutton's Mathematics.'

D. MCFARLANE, Arkell,

76. One-thirteenth of the whole population of a certain village was white; 105 negroes having arrived the whites were then found to be only $\frac{2}{31}$ of the whole. Required the number of whites and negroes in the village at first.

JAMES ROSS, Crumlin.

77. Johnny Stittle of Cambridge, England, compared eternity to a great clock which said 'tick in one century, and 'tack' in the next. Calculate the length of the pendulum.

D. R., Birmingham,

78. What is the difference between a Municipality and a State?

H. T. SCUDAMORE, Florence.

79. Have intransitive verbs voice?

The subject gives rise to a good deal of discussion here, and I think would be of interest to the profession generally.

W. C., Woodstock.

EDITOR'S DRAWER.

—A Correspondent asks us to give the answers to questions in Algebra, Natural Philosophy, and Arithmetic at the recent examinations. They are not at hand just at present, but the answers will appear in the solutions which we commence giving in this No.

—There is a movement now on foot to have the law amended so that there may be an examination in December as well as in July, for candidates for Teachers' certificates. The matter is worthy of being carefully considered and discussed by all parties concerned.

VICTORIA MEDICAL SCHOOL.—We would call special attention to the advertisement of the Medical Department of Victoria University which will be found on cover. This old and well established institution requires no eulogy from us, but we would say that the appointment of Thos. Kirkland, Esq., M.A., one of the most able science teachers in Canada, to the position of Professor of Chemistry, cannot fail to make the Medical Department of Victoria University increasingly successful and popular.