

## Large as a Dollar

Were the scrolls on my poor little boy, sickening and disgusting. They were especially severe on his legs, back of his ears and on his head. His hair was so matted that combing was sometimes impossible. His legs were so bad that sometimes he could not sit down, and when he tried to walk his legs would crack open and the blood start.

Physicians did not effect a cure. I decided to give him Hood's Sarsaparilla. In two weeks the scales came off and all over his body new and healthy flesh and skin formed. When he had taken two bottles of

**Hood's Sarsaparilla** he was entirely free from sores. HARRY K. RIPP, Box 255, Columbia, Pennsylvania.

HOOD'S PILLS are a mild, gentle, painless, safe and efficient cathartic. Always reliable. 25c

## ERASE UP!

Dr. Sargent, of Harvard, on Physical Exercise.

The Reported Sale of Ormonds for \$100,000 Confirmed—General Sporting News.

## ATHLETICS.

Dr. Sargent, Harvard's physical director, estimates that the pursuit of outdoor sports is limited probably less than 1 per cent. of vigorous young men in the States. Even among the members of athletic organizations only 10 per cent. are really active. Dr. Sargent attributes the increasing lack of interest in athletics to the growing tendency among Americans, as a people, to pursue sport as an end in itself, rather than as a means to an end. In making excellence in the achievement the primary object of athletic exercises they are robbed of half their value in various ways; for instance, by increasing the expense of training; by the devoting of too much time to practice; by reducing the number of active competitors; by relying upon natural resources rather than upon cultivated material; by depriving the non-athletic individual of incentive to physical exertion by depriving the exercise of their efficiency as a means of health. Dr. Sargent holds that the harmonious development of the physique, and the building up and the broadening out of the highest types of manhood and womanhood ought to be an end in itself, and should be made a part of the education of each child.

The bicyclist, Harry Hilliard Wylie, who is riding "dead broke" from New York to Chicago on his wheel on a wager that he would not have to spend a cent, arrived at Dayton from Columbus at 10 p.m. Monday and was the guest of the Dayton Bicycle Club over night. He was expected to reach Richmond last evening, Indianapolis Wednesday evening and Chicago Saturday noon.

Conductor Thomas P. Gross, of the New Jersey and New York Railroad, who was injured by falling from his bicycle on Sunday, Oct. 23, at Nyack, N. Y., has died at his home in Spring Valley. While riding with his baggage master to Haverstraw, N. Y., Gross was thrown from his wheel and a handle penetrated his groin.

THE TURF.

The Hawthorne meeting has covered 78 days, and the money divided in purses and stakes amounted to \$241,000.

The report of the purchase of the celebrated thoroughbred stallion, Ormonds, by W. O. McDonough, of San Francisco, is confirmed. The price was \$150,000, the largest amount ever paid for a horse. Ormonds is now in South America.

Two great stallions are passing into shadow. Harold, sire of Maid S, and Dictator, sire of Jay's Tune, and of the dam of Nancy Hanks, are leading under a weight of years. Neither may survive the winter. Harold is 28 years old and Dictator is 29. Each is a son of Rysdyk's Hambletonian.—(Turf, Field and Farm.)

## THE KENNEL.

Mr. Geo. Bell, of Toronto, returned on Tuesday, from Omaha, Neb., where he had a big string of Canadian dogs at the Omaha Bench Show. His dogs, like those of Mr. T. G. Davey, of London, made almost a clean sweep in their classes.

## ROCKEY.

ROCKEY'S ORGANIZING.

The Princess Hockey Club, of this city, has reorganized for the season with the following officers: Honorary president, W. J. Reid; president, Wolferstan; George Thomas; vice-presidents, P. Mulken and Thomas Gillen; secretary, Allie Holmes; treasurer, J. S. Brown; executive, Messrs. Van Iland, Sherill, Tubby, Mills, Beltr, Lind and Becker. It was decided to join the Provincial Association, and a meeting will be held in two weeks to elect delegates to go to Toronto to arrange matters.

## SPECIAL NOTICES.

New Vestibule Train Between New York and Chicago, via Erie Railway and C. & N. Y.

This is without exception the finest train that ever passed through Canada from New York. Not a single change between London and New York. Magnificent dining cars attached to all trains for meals. This train is called the Erie Flyer, and leaves London daily at 11 p.m., which will give you a daylight ride over this picturesque route. 26 ct

**W. SEYMOUR**  
**PARENTOLOGIST**  
LONDON, Ont., for a few days only. Call and see what you are best fitted for in life, and what kind of a man or woman you should marry. Office, room 100, Tecumseh House. 87 ct

A lady's gold watch valued at \$25 given away. A chance to every purchaser of \$3 worth of photos at WESTLAKE'S photo studio, 261 Dundas street. 27 ct

A Good Garment is the Cheapest.

**Harry Lenox**  
Has just received his Fall and Winter Stock of Fine Woollens. The newest colors and weaves. Call and see them. Dealing with me means that your clothes will be comfortable, durable and at every detail.

**HARRY LENOX**

## MUSICAL AND DRAMATIC.

Robert Downing's Great Production of "Virginius" at the Grand—Primrose & West Coming—A Talented Elocutionist.

"VIRGINIUS" AT THE GRAND.  
Virginius.....Mr. Robert Downing  
Appius Claudius.....Mr. F. C. Mosley  
Denarius.....Mr. George Macomber  
Caius Claudius.....Mr. David C. Bangs  
Numitorius.....Mr. W. H. Young  
Lucius.....Mr. Herbert Marsden  
Titus.....Mr. W. H. Downing  
Marcus.....Mr. D. B. Williams  
Servilius.....Mr. Richard Toppin  
Cicilius.....Mr. Gustav Armstrong  
Servilia.....Miss Florence Erwin  
Elvira.....Miss Carrie Hollis  
Virginia.....Eugenie Blair

A fine audience greeted Mr. Robert Downing at the Grand Opera House last night. Sheridan Knowles' great play "Virginius" was given a magnificent production—such an one as city theater-goers seldom have the privilege of enjoying. Mr. Downing filled the title role with much dignity and vigor, and showed the ability of judicious restraint in some of the most pathetic parts where exaggeration would produce just the opposite of the intended effect. He created a deep and lasting impression, convincing his auditors that he was an actor of the very best school. Not only does he deliver his lines well and deliberately, but every action is well suited to the words. There is no straining after undue effect, no effort to startle and tickle the ears of either groundling or god, but an almost perfect performance that pleases the thoughtful and delights everyone. Mr. Downing's splendid physique exceptionally qualifies him for noble heroic parts. He was twice called before the curtain by the enthusiastic audience. Mr. Mark Price as Appius Claudius proved himself an accomplished artist. Mr. F. C. Mosley's "Iollius" left nothing to be desired. Miss Eugenie Blair as "Virginia" was a dream of white-robed innocence. She united rare artistic ability with a most engaging presence. The other members of the company provide fitting support for the principals. The appropriateness and beauty of the costumes were much admired. To-night the great tragedian will present that grand heroic play, "The Gladiator," and the Opera House should be crowded. "If Mr. Downing had played no other part in Toronto his representation of "The Gladiator" last night was sufficient to stamp him as one of the greatest of living actors," says the Toronto Empire.

SARA LORD BAILEY.  
Sara Lord Bailey, of Boston, Mass., will give a musical and humorous recital this evening in Victoria Hall. Miss Bailey is among the most successful elocutionists on the public platform to-day. Although she has established her popularity in many Canadian cities and towns this is her first appearance in London. Miss Bailey, who is said to have a handsome and striking personality, is wonderfully versatile, and is equally at home in the tragic, sentimental or humorous. Her vocal powers are also remarkable. To-night's programme is a representative one and should be enjoyed by a large audience.

PRIMROSE & WEST COMING.  
Primrose & West, with their brilliant company of minstrel merry makers, are announced for to-morrow night at the Grand. This will be the one minstrel event of the season. Primrose & West are the acknowledged leaders in this style of entertainment. They have spared no expense in keeping this most genuine form of amusement in the very front rank of popular entertainment. This year is the epitome of their career. Their entertainment is new from the overture till the curtain falls. They claim to have the best minstrel organization ever put together in America, and their appearance here should prove a year. Plan now open.

NOTES.  
The Boston Globe calls Annie Pixley "deliciously droll, winsomely frolicsome and fascinatingly vivacious."  
Jane Elizabeth Kellogg, mother of Clara Louise Kellogg-Straconsk, died at the Clarendon Hotel, New York, Tuesday evening of heart trouble.

A Lakewood, N. J., dispatch says: Edwin Booth has decided to leave here and go to New York where he can consult his family physician. He is feeble and has not been picking up as much as he expected.

A waltz, "The Debutante," composed by Mr. James K. Flock, city, was played by the Grand Opera House orchestra last evening. Its air is pretty. The work of the orchestra this season has been admirable.

Mme. Adeline Patti is making preparation for a seventh farewell tour. On Nov. 15 she begins a season of concerts in England, at the conclusion of which she will go to the Riviera for a holiday in order to strengthen her throat for the American engagement. Her repertoire for this country will consist of "Comin' Thro' the Rye," "Within a Mile," and "Home, Sweet Home," with incidental diversissements by Flotow, Bellini, and Donizetti. A friend of the diva states officially that while Mme. Patti is willing to sing for Marcus Mayoe at \$5,000 a night, no monetary inducement can tempt her to take part in a second jubilee. It may be remembered that the enthusiasm of Mr. Chapman's fair characters almost smothered the diva at the Madison Square Gardens last spring. A further intimation comes to us that while Patti admires the "Star Spangled Banner" as the symbol of a great people, she holds it in low esteem as a musical composition, and has resolved never to sing it again.

## UNDER THE SEMAPHORE.

Passenger rates between Chicago and south-western points have been raised. The advance means an additional \$2,000,000 annually in the income of the railroads.

The railway committee of the Dominion Privy Council on Wednesday granted the application of the Ottawa and Parry Sound Railway for a level crossing over the Canadian Pacific Railway tracks in Nepean township, eight miles west of Ottawa.

Mr. John Fleming, assistant general manager of the St. Thomas Car Wheel Company, with headquarters at Buffalo, has resigned to accept the position of manager of the Buffalo Car Wheel and Foundry Company. Mr. A. E. Donville, heretofore superintendent, has been promoted to the position and will assume full management of the works, with headquarters at St. Thomas.

A Ticket Free.  
To every purchaser of bulls to the value of \$1.50 we will for the next ten days present a free ticket of admission to the city symposium exhibition to be held in the Princess rink on the 9th, 10th and 11th of this month. This is a very liberal offer, and the exhibition will be well worth seeing. JOHN S. PEARCE & Co., 119 Dundas street. 28 ct

Are still they come! What! Millions of thousands of smokers all over the land, spending in the highest terms of the word of the day, "a fortune" on something that is not worth anything at all. It is made by H. McKAY & Co., London, a firm possessing one of the largest and best equipped establishments in Canada.

## THE SHORTHANDERS.

What Will Be Required of Candidates Before Receiving Chartered Diplomas.

In 1891 the Chartered Stenographic Reporters' Association of Ontario was incorporated by the Provincial Legislature. At the annual general meeting held recently the following curriculum was adopted, which will be of interest to all shorthand writers desirous of becoming members of the association:

1. "That persons who cannot pass the examination for membership of the association, but who desire to obtain certificates under the constitution of the association pursuant to examination according to the lower standard, be examined in the following: (1) Penmanship and typewriting; (2) spelling; (3) simple arithmetic; (4) geography of our own country; (5) correction of grammatical errors, with reasons for the corrections; (6) transcription, i.e., the making of a fair copy from a rough manuscript draft, in which interlineations, emendations and marginal additions have been made, the breaking of the article into additional paragraphs, etc.; (7) the writing of a letter, including the addressing of the envelope, and the indication thereon of the place for the postage stamp; (8) the writing in shorthand of a passage consisting of 400 words, in language of about the general character of that in an ordinary leading article in a newspaper; (9) the rate of 80 words per minute, and the transcription of any required portion thereof at the rate of 12 words per minute in longhand and 15 on the typewriter; (10) the reading of a fairly written, lithographed or engraved specimen of the style of shorthand practiced by each candidate, the passage to consist of about 200 words; (10) punctuation.

2. FOR MEMBERSHIP.  
"That those who desire to become members of the association be examined in Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

## A BAREFACED FRAUD.

The following, clipped from the columns of the Toronto Globe, Oct. 29, is of sufficient importance to newspaper readers to warrant its reproduction in these columns: To the Editor of the Globe:

Sir,—I am sure you will agree with me when I say that something ought to be done to stop the barefaced swindling (no matter how small the sum) which is going on in certain directions in our midst, and I have no reason to doubt that my experience in this city is the experience of others in many parts of Canada. I have read so much of the great success of "Dr. Williams' Pink Pills for Pale People" that I determined to give them a trial for nervous troubles. I accordingly went to a drugstore to procure a supply. On asking the druggist for the pills he took down a glass jar and proceeded to take out the quantity. "But," said I, "Dr. Williams' Pink Pills are not sold in bulk, and that cannot be them." "O, yes, it is," said the dealer; "we always get them in bulk and sell them that way." I had read the caution of the proprietors to the effect that these pills were never sold in bulk, and thinking they should know best, I declined taking them, and left the store. My next experience was no more fortunate. Again pink pills in color, to imitate the genuine, were offered me. When I demonstrated that the dealer admitted the pills were not supplied him by the Dr. Williams' Company, but declared that they were just the same. And yet, for the sake of a little more profit he would have imposed them on me for the genuine Pink Pills had I been less cautious. As I left the store, I thought the repeated warnings against imitations given by the Williams Company must be the result of bitter experience on their part. But I did not expect I would meet with three dishonest dealers (do you think the term is too strong?) in succession. My next experience proved the third dealer little better than the other two. When I asked for Dr. Williams' Pink Pills he said he had them, and then produced a package which I saw at a glance here another name, and which he insisted were just as good. I declined taking them, and turned to leave the store, when the druggist offered to give me the genuine pills. But I did not feel that I ought to patronize a man who would have imposed something else on me had I been less guarded, and declined buying. I almost despaired getting the genuine Pink Pills unless I sent to headquarters; but on my visit to the fourth drugstore I was more successful, and was at once handed the genuine Dr. Williams' Pink Pills. No doubt, Mr. Editor, my experience is that of many others, and no doubt hundreds less cautious are constantly being deceived. I think the newspapers ought to do something toward protecting their readers from frauds of this kind. We frequently read of reporters doing clever detective work, etc., visiting churches in the garb of the lowly, and then writing up the reception. Here is a case where the reporter is a lowly fellow, and the church is the length and breadth of this city in a humble guise, and see how many dealers are honest enough to give him a substitute upon him.

(Trust, Mr. Editor, you will give this a place in your columns, as it may serve to prevent someone else from being cheated.)

## A LADY READER.

Tee Prominent Attache.  
Bleeker (visiting in Georgia)—Look here, General, I wish you wouldn't call me colonel.

General Mobile—Why not?

Bleeker—I want to be distinguished.

Time is Valuable.  
Five minutes lost each day is, in a year, 3 days, 2 hours and 5 minutes; ten minutes is 6 days, 4 hours and 10 minutes; twenty minutes is 13 days and 20 minutes; 30 minutes is 19 days, 4 hours, 20 minutes; 35 minutes is 23 days, 1 hour.

## HEATING PUBLIC SCHOOLS.

A Former Londoner on the Furnace and Ventilator Question.

To the Editor of the Advertiser:  
Reading the letter written by Mr. Jeffery in your paper has prompted me to write a few remarks on the system of school-house heating and ventilating. It is pleasing to know that the school boards of the Dominion are having their eyes opened to the fact that the heating and ventilating is not the least important matter in designing and planning of school-houses. It is not long since the subject of heating was not considered until the building was about completed; then a heating man was called in to see the contract if possible. As the lowest estimator would secure it, the result was that a furnace of insufficient capacity was put in; consequently in cold weather, in order to secure comfort, it is necessary to raise the radiating surface to a high temperature, often to a red heat. The contraction and expansion due to such great changes of temperature soon loosen the joints of furnace and boiler of several pieces, and permit the escape of gases of combustion into the fresh air supply. Of these gases, carbonic oxide and sulphurous acid are the most hurtful, and in violation of the plainest teachings of hygiene, they continue to pour forth into the almost air-tight rooms. Large volumes of dry, suffocating heat laden with poisonous gases, which the occupants were compelled to inhale over and over again, along with their own vitiated breaths (there being no provision for the removing of it from the room), thus establishing in the rooms a stagnant atmosphere, the baneful impurities of which are destructive of health. Due to this cause largely, throat and lung affections of all kinds have within the last few years been alarmingly on the increase. It was stated some few years ago, according to the statistics of mortality, it was estimated that 10,000 children die annually in the city of New York alone, of the effects of the vitiated air of badly ventilated school-rooms.

It is pleasing to notice that the school boards are becoming educated to the fact that it is highly essential to have a thorough system of ventilation. Mr. Jeffery's arguments are good, and he is a man I would like to deal with in arranging for a proper and good system of heating apparatus. He appears to have studied the matter thoroughly, and has discovered that the best is the cheapest. It is impossible to heat two large rooms and two smaller ones with one furnace, containing 35,000 cubic feet of space, for such a furnace as the lowest bids given, unless it was carried out on the plan I have just described. Mr. Jeffery says the other manufacturers would add to their profit by the installation of a furnace of this kind, they would not doubt find it profitable, while reasonable competition would lower the cost to the public.

This is something I have often wondered at, how some of the large and able manufacturers will let Smead-Dowd Company secure all the finest school buildings in Canada and not make any attempt to compete with them on an equal system. It can be done and with some of the furnaces now manufactured by the Smead-Dowd Company, it is no more than the Smead-Dowd Company's furnaces use. For the past five years all the schools in Toronto have been heated by the Smead-Dowd Company without any opposition whatever. Why do the architects not draw up an and specification for heating and ventilating, all to be arranged before the plans are completed? If the architect is not competent to do this, call in some expert engineer who has made a study and who can lay out a complete system, whether it be by steam, or hot water, or gas. It is carried out in this way in New York and Toronto at all large public buildings. Then call for estimates (not specifying any particular heater), specifications to state the desired temperature in zero weather, the number of cubic feet of air to be changed per hour, and the number of cubic feet of air to be supplied for each pupil per hour, then give the contract to the lowest responsible estimator. When work is completed, have apparatus put to proper test, so that every student is comfortable in accordance with specification and guarantee. If this plan were carried out, there would be no more trouble in the proper heating and ventilating of our schools, and no more discontent among local dealers, for all would be on an equal footing.

I consider if Smead-Dowd Company's price was \$155, they would give the board full value for that amount, and if the other estimates of \$155, or \$175 were to be accepted, the board would get the value for that amount only. It is truly so important to insist on the proper ventilation of our schools as it is to enforce all sanitary laws. The more I study the requirements of proper heating and ventilating, I wonder that the present generation are so healthy. Yours respectfully, DAVID MILLAR.

New York, Oct. 28, 1892.