

iron Shafts are carried up to the roof, and enclosed in a brick wall, so as to allow considerable space around the Shaft. Numerous Registers near the floor and near the ceiling in each Room communicate more or less directly with these Shafts. The same principle is carried out independently in Rooms not connected with the Shafts, and in the Wings. In the Basement is simple yet powerful machinery for controlling the air supply. Here also are two large Furnaces. A portion of the heat from the Furnace goes up the long Shafts, which also enclose the Smoke-pipe, and the air in the Shaft being rarefied ascends, the air from the different Rooms rushes in, and its place is taken by fresh air. Thus the respired air is regularly drawn off and a pure supply brought in so quietly that there are no drafts felt in the room, and there is no possibility of catching cold from an open window. Both in the heating and ventilating arrangements the quantity can be regulated to the nicest shade. Every Room is provided with a Thermometer; and the mercury is kept at 60°; a temperature that, with the excellent supply of pure, fresh air, is mild and agreeable. Each Class Room is designed to accommodate about fifty Pupils—and no more—but if the Rooms were packed to "their utmost capacity," the air supply would maintain an atmosphere as pure and fresh as ever. The ventilating system of this Building is the same as that in the New Normal School at Ottawa.

The Building complete costs about \$30,000; and with Outbuildings, Grounds and Fencing will cost about \$50,000. The dimensions are:—Main Building, 34 feet by 50 feet; extension, 30 feet by 41 feet; Laundry and Storehouse, two storeys high, 25 feet by 50 feet.

URSULINE COLLEGE, "THE PINES," FOR YOUNG LADIES, CHATHAM.

The Ursuline College, Chatham, is a handsome four storey Brick Building. It stands in spacious and beautiful Grounds on Grand Avenue, enclosed with a very fine wrought Iron Fence and Gates. It was erected in 1870, at a cost of \$20,000, and in 1885 an additional wing was added, and subsequently a very beautiful Gothic Chapel. The whole property is worth \$100,000. Here every department of primary and secondary education is carried on, besides the fine arts, in Music, Painting, and Fine Needlework.

By special Act of the Dominion Legislature, dated August the 15th, 1866, the Ursuline College of "The Pines," at Chatham, Ontario, was incorporated as an Institution for the higher education of young ladies, and for forty-four years has held a leading place among the Schools of Western Ontario. It is a recognized institution for the acquirement of all standard Courses in Sciences and Arts, and its certificates admit to any of the High Schools, Normal Schools, Faculties of Education, and Universities of Canada and the United States. Its School of Music is affiliated with the Toronto Conservatory of Music, and its Music Students are eligible for the titles of Associate, or Fellow, of the Toronto Conservatory, or Bachelor of Music of the Toronto University.

The College is situated on Grand Avenue, within easy reach from any part of the City, and yet sufficiently far removed from the business sections to secure that quiet and privacy so requisite for studious pursuits, and so conducive to the tranquil development of mind and body.

The College has in front of it a fine, ornamental Lawn, and on the east side a beautiful pine Grove, which gives it the historic name of "The Pines." The main section of the College contains the Parlors, Art studios, Library, Museum, Refectories, Recreation Halls, Dormitories, and Infirmarys, besides the Class Rooms and Offices of the Business School. The south-west portion of the Building comprises St. Cecilia's Hall—a spacious Music, or Lecture, Auditorium. The