

# CINCINNATI COMPANY GETS CONTRACT FOR HEATING OF NEW CATHOLIC HILL SCHOOL

## After a Session of Three Hours, City School Board Awards Contract to Hammond Heating Company Specify Hot Air Fan-Blast System for Uniform Temperatures.

Hammond Heating company of Cincinnati, Ohio, was awarded the contract for the heating of the Catholic Hill school by the city school board last evening after a session which lasted more than three hours.

All sides of the question were gone into thoroughly and the board unanimously agreed that the bid of this company was the most thorough, the offer being to equip the building with all the necessary heating apparatus for \$11,640. The offer stipulated that all necessary automatic appliances to insure a uniform temperature of 68 to 70 degrees and a complete change of air every few minutes would be furnished.

The system will include a thermostat temperature control. Although the bid of the Moncrief Furnace company, of Atlanta, Ga., as submitted, read much lower, the automatic system of heating and other appliances, which the board considered necessary to insure proper heating and ventilation, were not included. It was figured that with these various devices added to the offer of this company would cause the figures to be slightly higher than those of the Hammond company.

Only one other offer was made for the contract specifying the hot air fan-blast system, and this was the bid of the American Heating and Ventilating company, which was the highest submitted. The company that will install the heating system was personally represented by L. W. Hammond, president of the company.

When the meeting was first opened, Commissioner Sherrill told of a recent visit to Knoxville, Tenn., where he inspected the high school building. The heat in this building, he said, was known as the vapor system, which consisted of

rooms, uniformly to from 68 to 70 degrees by the system under the thermostat temperature control. He told your committee that the consumption of fuel in the hot-air system is much less than in other systems.

### PROMINENT ARCHITECT FAVORS THIS SYSTEM

Your committee had a conference with Charles Robinson, the official school architect for the cities of Richmond, Norfolk, Portsmouth, Newport News, Norfolk county and four or five other counties, and had from him an enthusiastic endorsement of the hot-air fan-blast system. He specifies the system for all schools planned by his office. He stated to your committee that he considered the system the best for the schools, for the children, the cheapest to install, and the cheapest to operate and maintain.

"We did not have time to inspect the Norfolk schools. However, we conferred with the official architect of the system, Mr. Robinson. He has specified the hot-air system for the Norfolk schools of public safety of Norfolk, told your committee the hot-air fan-blast system is used there and is the best system of school heating.

"We inspected carefully the toilet equipment in the schools in both cities. In both school systems nothing but the ventilated latrine toilet equipment is used. Mr. Pusey, Mr. Hill, Mr. Cousins and Mr. Robinson all recommended this system as ideal. No other has been installed in the grammar schools of these cities for a number of years. Your committee was particularly impressed with the unusual sanitary conditions of the toilets produced by the use of this equipment.

"As a result of our investigation, your committee begs to recommend:

"First. That we use in our new schools the hot-air fan-blast system of heat, with the thermostat temperature control.

"Second. That we use in the new schools the ventilated latrine toilet system.

"Respectfully submitted,  
R. L. FITZPATRICK,  
"R. J. SHERRILL."

### REPORT OF VISITS TO VIRGINIA CITIES

The committee, R. L. Fitzpatrick and W. L. Brooker, appointed by you to investigate the heating and ventilating systems of the Durham and Richmond schools, beg to report as follows:

"We made a close inspection and careful investigation of the heating in the schools of the cities named. In both cities all schools erected in recent years have been equipped with hot-air fan-blast systems of heat and ventilation. Several new schools now under construction in Richmond are being equipped with the same system. We visited a number of the schools in both cities and saw the system in operation on the coldest days they have had during the winter and all connected with the schools were enthusiastic about the satisfactory service given by heating plants. In both cities there were other types of heating installed years ago so that a good comparison of the merits of the several systems could be made by records of direct service. In both cities the hot-air fan-blast systems had first approval.

### EXPLAIN SYSTEM IN DURHAM SCHOOLS

Superintendent Pusey, of the Durham schools, recommends the hot-air fan-blast system for all schools. He states it is the best for the schools for the children, costs much less to install and much less to maintain.

### "SUPERINTENDENT HILL, OF RICHMOND SCHOOLS, RECOMMENDS STRONGLY BY THE SAME SYSTEM, HAS IT ALREADY IN ABOUT 15 SCHOOLS AND IS PUTTING IT IN FOUR NEW ONES NOW UNDER CONSTRUCTION. HE USES FOR HIS BUILDINGS NO OTHER SYSTEMS.

### INSPECT SYSTEMS IN USE SINCE 1906

"Visited Taylor Grammar school, Mr. Cook accompanying us. This system was installed in 1906 and the Hammond system with blower attachment and Johnson automatic thermostat; however, no method is provided to moisten the air. This system was installed in 1906 and six furnaces are used to heat 15 rooms and auditorium. The fan used in connection with this system, according to the statement of

of Mr. Cook, was originally too large through a mistake in figuring the heating required and it was impossible to keep the building warm until the speed of the fan had been reduced.

"Visited Logan school, erected in 1913, and found Mr. Davis, who was formerly principal of Charlotte high school, in charge. Mr. Cook still accompanying us. This school was erected in 1913 and has the American Heating and Ventilating company's hot air system equipped with blower and Johnson automatic thermostat. Five furnaces being used to heat 24 rooms, no auditorium.

"All of the principals and the superintendent of heating in Columbia stated that the hot air system in use there was satisfactory, but it would unquestionably require care and heavy firing to heat the building in zero weather.

"Columbia also has two schools heated by direct steam, no ventilation provided, which systems are not considered satisfactory, according to the statement of the gentlemen in charge, from a health standpoint. No steam ventilating systems are in use.

"Mr. Cook and the other gentlemen stated most emphatically that the automatic regulating system was absolutely necessary and the principals of the various schools strongly recommended the use of registers in corridors to warm the feet of the children on entering the buildings.

### USE WINDOWS FOR VENTILATION

"Jacksonville, Fla. In Jacksonville, Fla., we found that one million dollars had recently been voted for school buildings, however, they use nothing but direct steam, ventilations provided by the use of windows. The principal of the Duval high school stating that there is never more than 30 days in any year in which the windows cannot be opened.

### WE WERE VERY MUCH STRUCK WITH THE SCHOOL SYSTEM IN JACKSONVILLE, HOWEVER, AND WITH THE FACT THAT THEY PROVIDE SCHOOL FACILITIES FOR THE CHILDREN OF VISITORS IN THAT CITY, NO TUITION BEING CHARGED.

### VISITS SCHOOLS IN ATLANTA, GA.

"Atlanta, Georgia: Visited the Boys' high school, where we found direct steam used in connection with hot air, no ventilation being provided except by air ducts and windows. We were referred to the superintendent's office in the city hall by the principal of this school where we met Mr. Hunter, assistant superintendent, who very kindly showed us over a number of the buildings.

"The first building visited was the Commercial high school, where the direct steam system, ventilation provided by air ducts and windows is used. The types of boilers, the Ideal and Hart & Cross being used.

"Met Mr. Bowles, the heating and plumbing superintendent of the school buildings in Atlanta, and in company with him and Mr. Hunter, visited the East Atlanta school where the Kewanee direct steam system, equipped with blower is used, also the Moreland school building, where the direct steam system with Kewanee boiler is in use.

"Both Mr. Hunter and Mr. Bowles stated that the maintenance and operation expense of the hot air system, equipped with blower is in excess of their maintenance and operation expense of the Kewanee direct steam system.

"Moncrief, of Atlanta, Hammond and the American Heating and Ventilating company's hot air systems, as well as the direct steam and the steam ventilated system are in use in this city and Mr. Bowles, the heating engineer, recommended,

# BUDGET DAY of National Thrift Week

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The best thing for steady use is Mulsified coconut oil shampoo (which is pure and greaseless), and is better than anything else you can use.

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above all others, the Kewanee steam with no ventilation except straight air ducts and windows, no blower used at all.  
Respectfully submitted,  
"R. J. SHERRILL."  
"FRANK CONDER."

### WHY WOMEN GET DESPONDENT

Are not women naturally as light-hearted, brave and hopeful as men? Yes, certainly; but a woman's organism is essentially different from a man's—more delicate, more sensitive and more exacting. Women in delicate health are more dependent, more nervous, more irritable and more despondent. When a woman develops nervousness, sleeplessness, back-aches, dragging-down pains and melancholia she should lose no time in giving Lydia E. Pinkham's Vegetable Compound a fair trial, as it will quickly dispel such troubles. This root and herb medicine contains no drugs and has been the standby of American womanhood for nearly 50 years. Adv.

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