

# HOUSE . . . . . No. 869.

---

---

## Commonwealth of Massachusetts.

---

### REPORT.

---

*To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled.*

The undersigned, trustees of the New Bedford Textile School, in accordance with the provisions of chapter 248 of the Acts of the year 1904, respectfully submit the following annual report.

The real estate of the school includes a lot of land containing approximately 16,500 square feet, on which is situated their main building, 65 by 112 feet, and an annex, 40 by 60 feet, both of which are three-story brick buildings, with basements under some portions of the buildings. On the remaining land is situated a hotel, the property of the trustees of the said school.

The equipment of the school consists of mill machinery of various kinds, as used in textile mills, all of which is of modern construction, and thoroughly representative of the machinery in the departments in which instruction is given in the school, and embraces the following:—

One automatic feeder.  
 Two pickers.  
 One small cotton gin.  
 One twister.  
 Three cards.  
 One ribbon lap machine.  
 One sliver lap machine.  
 Two combers.  
 Two railway heads.  
 Two drawing frames.  
 One mule.  
 Two spinning frames.  
 Twenty-six power looms.  
 One slasher.  
 Three warpers.  
 Two spoolers  
 Four winders.  
 One reel.  
 One card-cutting machine.

Twenty-nine hand looms.  
 Twenty-three knitting machines.  
 Two loopers.  
 One underwear brusher.  
 One cloth dryer.  
 Various models for demonstrating.  
 Forty slate-top work benches for chemistry, with necessary chemicals and apparatus.  
 One dye-testing apparatus, with dryer.  
 One peroxide bleaching vat.  
 A collection of over 3,000 various dye products and chemicals.  
 Power plant, consisting of one Cahall boiler, one forty horse-power engine.

In addition to the above, the school is supplied with such furniture as is necessary for an institution of this character, valued at \$3,662, also supplies to the value of \$1,587.

The courses of instruction for which facilities are provided are such as to meet the needs of the textile industries as conducted in New Bedford, comprising nine different courses of instruction in the day classes and nineteen in the evening classes, as follows :—

*Day Courses.*

- |                                   |                                     |
|-----------------------------------|-------------------------------------|
| 1. Complete cotton manufacturing. | 6. Complete knitting.               |
| 2. Cotton carding and spinning.   | 7. Seamless hosiery knitting.       |
| 3. Weaving.                       | 8. Latch needle underwear knitting. |
| 4. Designing.                     | 9. Mill engineering.                |
| 5. Chemistry and dyeing.          |                                     |

*Evening Courses.*

- |                                    |                             |
|------------------------------------|-----------------------------|
| 1. Carding (elementary).           | 10. Designing (elementary). |
| 2. Carding (advanced).             | 11. Designing (advanced).   |
| 3. Mule spinning.                  | 12. Mill arithmetic.        |
| 4. Ring spinning.                  | 13. Yarn mill arithmetic.   |
| 5. Cotton sampling.                | 14. Chemistry (elementary). |
| 6. Spooling, warping and slashing. | 15. Chemistry (advanced).   |
| 7. Plain weaving and fixing.       | 16. Dyeing (elementary).    |
| 8. Fancy weaving and fixing.       | 17. Dyeing (advanced).      |
| 9. Classe Francais de tissage.     | 18. Knitting.               |
|                                    | 19. Mechanics and drawing.  |

The methods of instruction comprise: first, practice, under which heading is included the actual work on the various machines; second, theory, under which heading are included lectures and recitations.

The number of teachers employed by the school during the previous year was, in addition to the superintendent, 5 principals, each principal being in charge of a separate department; and 9 assistants, the duties of the latter necessitating their being at the school only during the sessions of the evening classes, four nights a week.

The number of students during the previous year was 219, of which number 23 were day students and 196 were evening students. In addition to the courses previously mentioned, in which the above-mentioned students were enrolled, there were also held in the school the city evening drawing classes, comprising 92 students and 4 teachers.

There were graduated from the school in June, 1904, 14 day students and 78 evening students.

Respectfully submitted,

TRUSTEES OF THE NEW BEDFORD TEXTILE  
SCHOOL,

By WM. E. HATCH, *President*.

ISAAC B. TOMPKINS, Jr., *Treasurer*.

EDW. O. KNOWLES, *Clerk*.

For themselves and their associates:—

Trustees on behalf of the Commonwealth of Massachusetts:  
Jos. F. Knowles, Abbott P. Smith.

Trustees ex officio on the part of the city of New Bedford: Hon.  
Chas. S. Ashley, William E. Hatch.

Trustees at large: Geo. A. Ayer, Lewis E. Bentley, Geo. E. Briggs, Chas. O. Brightman, Hon. Wm. W. Crapo, William O. Devoll, Thos. F. Glennon, Jonathan Howland, Jr., Nathaniel B. Kerr, John W. Knowles, Edw. O. Knowles, John Neild, Hon. David L. Parker, Samuel Ross, Hon. Rufus A. Soule, Geo. R. Stetson, James O. Thompson, Jr., Isaac B. Tompkins, Jr., John Waldron, John Wilkinson.

