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ANNUAL REPORT  
OF  
The Boston City Hospital  
BOSTON, MASS.



1919-20

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1919-20



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Boston City Hospital





FIFTY-SIXTH ANNUAL REPORT  
OF  
THE TRUSTEES  
OF  
THE BOSTON CITY HOSPITAL

INCLUDING THE  
REPORT OF THE SUPERINTENDENT

UPON THE  
HOSPITAL PROPER  
THE SOUTH DEPARTMENT FOR INFECTIOUS DISEASES  
THE HAYMARKET SQUARE RELIEF STATION  
THE EAST BOSTON RELIEF STATION  
THE CONVALESCENT HOME AT DORCHESTER  
THE WEST DEPARTMENT

AND ALSO THE  
HOUSE RULES, WITH RULES FOR ADMISSION, DISCHARGE  
AND GOVERNMENT OF PATIENTS, ETC.

FOR THE FIFTY-SIXTH YEAR

FEBRUARY 1, 1919, TO JANUARY 31, 1920, INCLUSIVE



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CITY OF BOSTON  
PRINTING DEPARTMENT  
1920

6359.17

New York City Hospital  
Jan 7. 1921



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# FIFTY-SIXTH ANNUAL REPORT

OF THE

## TRUSTEES

OF

# THE BOSTON CITY HOSPITAL

WITH

## REPORT OF THE SUPERINTENDENT

THE HOUSE RULES, WITH RULES FOR ADMISSION, DIS-  
CHARGE AND GOVERNMENT OF PATIENTS, ETC.

FOR THE

FIFTY-SIXTH YEAR, FEBRUARY 1, 1919, TO  
JANUARY 31, 1920, INCLUSIVE.

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### TRUSTEES.

|                                     |       |                       |
|-------------------------------------|-------|-----------------------|
| JOSEPH P. MANNING, <i>President</i> | . . . | Term expires in 1921. |
| THOMAS A. FORSYTH, <i>Secretary</i> | . . . | Term expires in 1924. |
| HENRY S. ROWEN, M. D.               | . . . | Term expires in 1922. |
| GEORGE G. SEARS, M. D.              | . . . | Term expires in 1923. |
| CARL DREYFUS                        | . . . | Term expires in 1920. |

---

### MEDICAL AND SURGICAL STAFF.

#### *Consulting Physicians and Surgeons.*

|                            |                            |
|----------------------------|----------------------------|
| Edward H. Bradford, M. D.  | Thos. Amory DeBlois, M. D. |
| Vincent Y. Bowditch, M. D. | George H. Monks, M. D.     |
| Abner Post, M. D.          | Morton Prince, M. D.       |
| Hayward W. Cushing, M. D.  | Elliott P. Joslin, M. D.   |
| Francis S. Watson, M. D.   | Henry Jackson, M. D.       |
| George G. Sears, M. D.     |                            |

#### *Consulting Pathologist.*

William T. Councilman, M. D.

*Consultant in Tropical Diseases.*

Richard P. Strong, M. D.

*Curator of the Hospital Museum.*

Abner Post, M. D.

*Superintendent and Medical Director.*

John J. Dowling, M. D.

*Senior Physicians.*

G. B. Shattuck, M. D. | Francis H. Williams, M. D.

*Visiting Physicians.*

|                          |  |                          |
|--------------------------|--|--------------------------|
| John L. Ames, M. D.      |  | Franklin W. White, M. D. |
| Wm. H. Robey, Jr., M. D. |  | Edwin A. Locke, M. D.    |
| Ralph C. Larrabee, M. D. |  | Edward N. Libby, M. D.   |

*First Assistant Visiting Physicians.*

|                           |  |                       |
|---------------------------|--|-----------------------|
| Francis W. Palfrey, M. D. |  | Cadis Phipps, M. D.   |
|                           |  | Harold W. Dana, M. D. |

*Second Assistant Visiting Physicians.*

|                          |  |                           |
|--------------------------|--|---------------------------|
| Thomas J. O'Brien, M. D. |  | Edmund F. Walsh, M. D.    |
| Albert A. Hornor, M. D.  |  | Burton E. Hamilton, M. D. |
| Harold Bowditch, M. D.   |  | William R. Redden, M. D.  |
| Martin J. English, M. D. |  | Harry A. Nissen, M. D.    |
| William R. Ohler, M. D.  |  | Joseph M. Lynch, M. D.    |

*Assistant to the Visiting Physicians.*

|                             |  |                          |
|-----------------------------|--|--------------------------|
| * Joseph E. Hallisey, M. D. |  | † William L. Moss, M. D. |
|                             |  | ‡ Howard Osgood, M. D.   |

*Senior Surgeons.*

|                      |  |                         |
|----------------------|--|-------------------------|
| George W. Gay, M. D. |  | Charles M. Green, M. D. |
|----------------------|--|-------------------------|

\* Reappointed for six months beginning January 1, 1920.

† Appointed for six months beginning October 1, 1919.

‡ Appointed for six months beginning January 16, 1920.

*Surgeons-in-Chief.*

|                         |                          |
|-------------------------|--------------------------|
| Paul Thorndike, M. D.   | Edward H. Nichols, M. D. |
| John Bapst Blake, M. D. | Howard A. Lothrop, M. D. |
| Fred B. Lund, M. D.     | Ernest B. Young, M. D.   |

*Visiting Surgeons.*

|                            |                           |
|----------------------------|---------------------------|
| Frederic J. Cotton, M. D.  | David D. Scannell, M. D.  |
| William E. Faulkner, M. D. | Nathaniel R. Mason, M. D. |
| Joshua C. Hubbard, M. D.   | Horace Binney, M. D.      |

*First Assistant Visiting Surgeons.*

|                         |                          |
|-------------------------|--------------------------|
| Robert M. Green, M. D.  | Frederick L. Good, M. D. |
| Frank H. Lahey, M. D.   | Irving J. Walker, M. D.  |
| Halsey B. Loder, M. D.  | Arthur R. Kimpton, M. D. |
| John J. Williams, M. D. | Leo V. Friedman, M. D.   |

Robert C. Cochrane, M. D.

*Out-Patient Surgeons.*

|                        |                             |
|------------------------|-----------------------------|
| Otto J. Hermann, M. D. | Francis F. Henderson, M. D. |
| Somers Fraser, M. D.   | Herbert H. Howard, M. D.    |
| MacIver Woody, M. D.   |                             |

*Assistants to Out-Patient Surgeons.*

|                         |                           |
|-------------------------|---------------------------|
| James J. Hepburn, M. D. | Joseph H. Shortell, M. D. |
| Donald Munro, M. D.     | Augustus Riley, M. D.     |
| Howard M. Clute, M. D.  | Joseph P. Cohen, M. D.    |

*Temporary Assistants to Out-Patient Surgeons.*

|                              |                          |
|------------------------------|--------------------------|
| * William F. Dolan, M. D.    | † Francis J. Nash, M. D. |
| † Carl T. Harris, M. D.      | ‡ Harold V. Hyde, M. D.  |
| † William R. Morrison, M. D. | ‡ George W. Papen, M. D. |

*Anæsthetists.*

|                            |                           |
|----------------------------|---------------------------|
| John E. Butler, M. D.      | Nathaniel N. Morse, M. D. |
| Frank L. Richardson, M. D. | Lincoln F. Sise, M. D.    |

*Oral Surgeon-in-Chief.*

Stephen P. Mallett, D. M. D.

\* Appointed for six months beginning September 26, 1919.

† Appointed for six months beginning December 17, 1919.

‡ Appointed for six months beginning December 31, 1919.



*Oral Surgeons.*

William H. Canavan, D. M. D. | Thomas Hennessey, D. M. D.

*Dentist.*

Harold A. Carnes, D. M. D.

*Visiting Ophthalmic Surgeon.*

Allen Greenwood, M. D.

*Ophthalmic Surgeons.*

Edward R. Williams, M. D. | Henry B. Stevens, M. D.  
Jeremiah J. Corbett, M. D.

*Assistants to the Ophthalmic Surgeons.*

L. Colby Rood, M. D. | Howard E. Settle, M. D.  
Leon W. Jessaman, M. D. | Samuel H. Wilkins, M. D.

*Senior Surgeon for Diseases of Ear and Throat.*

George A. Leland, M. D.

*Visiting Surgeon for Diseases of Ear and Throat.*

Rockwell A. Coffin, M. D.

*Surgeons for Diseases of Ear and Throat.*

Charles R. C. Borden, M. D. | George L. Vogel, M. D.  
Henry Tolman, Jr., M. D.

*Assistant Surgeons for Diseases of Ear and Throat.*

Louis M. Freedman, M. D. | Edward J. Monahan, M. D.  
William T. Haley, M. D. | \*Philip E. A. Sheridan, M. D.

*Visiting Physicians for Diseases of the Nervous System.*

Philip Coombs Knapp, M. D. | John J. Thomas, M. D.  
Arthur W. Fairbanks, M. D.

*First Assistant Visiting Physicians for Diseases of the Nervous System.*

William J. Daly, M. D. | Abraham Myerson, M. D.



*Second Assistant Visiting Physicians for Diseases of the  
Nervous System.*

LeRoy A. Luce, M. D. | Earle H. MacMichael, M. D.  
Mabel D. Ordway, M. D.

*Temporary Second Assistant Visiting Physician for  
Diseases of the Nervous System.*

\* Owen B. Ames, M. D.

*Physicians for Physical Therapeutics.*

Frank B. Granger, M. D. | Robert E. Bonney, M. D.

*Physician for Diseases of the Skin.*

Townsend W. Thorndike, M. D.

*Assistants to the Physician for Diseases of the Skin.*

William P. Boardman, M. D. | M. C. von Groll, M. D.  
Walter T. Garfield, M. D.

*Pathologist.*

F. B. Mallory, M. D.

*Physician for Infectious Diseases.*

Edwin H. Place, M. D.

*Physician for X-Ray Service.*

Samuel W. Ellsworth, M. D.

*Assistant Physician for X-Ray Service.*

Paul F. Butler, M. D.

*Consultant in Vaccine and Serum Therapy.*

George P. Sanborn, M. D.

*Physicians to the Convalescent Home.*

John P. Treanor, M. D. | Henry F. R. Watts, M. D.  
 Bradford Kent, M. D.

## HOUSE OFFICERS.

The following-named House Officers have completed service during the year:

|  |             |
|--|-------------|
| Walter J. Mullen, M. D., Medical Service . . . . .             | 11½ months. |
| Jeffrey J. Walsh, M. D., Medical Service . . . . .             | 7 months.   |
| Herman Lande, M. D., Medical Service . . . . .                 | 12 months.  |
| Seth F. H. Howes, M. D., Medical Service . . . . .             | 10½ months. |
| Joseph Resnik, M. D., Medical Service . . . . .                | 12 months.  |
| Edward F. Shay, M. D., Medical Service . . . . .               | 9 months.   |
| James B. Shields, M. D., Medical Service . . . . .             | 13 months.  |
| John J. Dunphy, Jr., Medical Service . . . . .                 | 10 months.  |
| Leonard P. Landry, M. D., Medical Service . . . . .            | 10 months.  |
| Warren N. Tilton, M. D., Medical Service . . . . .             | 10 months.  |
| Lee F. Hill, Medical Service . . . . .                         | 8 months.   |
| Carl E. Barstow, M. D., Medical Service . . . . .              | 13 months.  |
| Nicholas Iovanna, M. D., Medical Service . . . . .             | 13 months.  |
| Naaman Steinberg, M. D., Medical Service . . . . .             | 13 months.  |
| Charles W. Blackett, Jr., M. D., Medical<br>Service . . . . .  | 11 months.  |
| Carleton W. Bullard, M. D., Medical Service . . . . .          | 12 months.  |
| Harold Q. Gallupe, M. D., Surgical Service . . . . .           | 10 months.  |
| Charles C. Morrison, Jr., M. D., Surgical<br>Service . . . . . | 11½ months. |
| Walter C. Harris, M. D., Surgical Service . . . . .            | 11½ months. |
| Joseph P. Mulhern, M. D., Surgical Service . . . . .           | 9½ months.  |
| Robert A. Milliken, M. D., Surgical Service . . . . .          | 9½ months.  |
| George S. Wickham, M. D., Surgical Service . . . . .           | 11½ months. |
| Francis J. Nash, M. D., Surgical Service . . . . .             | 10 months.  |
| Joseph H. McLaughlin, M. D., Surgical Service, . . . . .       | 10 months.  |
| Adam C. Williamson, M. D., Surgical Service . . . . .          | 15½ months. |
| Ralph P. Mahoney, M. D., Surgical Service . . . . .            | 14 months.  |
| Harry Penn, M. D., Surgical Service . . . . .                  | 10 months.  |
| Myron A. Strammer, M. D., Surgical Service . . . . .           | 10 months.  |
| Edward B. Ormsby, M. D., Surgical Service . . . . .            | 11 months.  |
| Fabyan Packard, M. D., Surgical Service . . . . .              | 8 months.   |
| John J. Lucy, M. D., Surgical Service . . . . .                | 14 months.  |

|  |             |
|--|-------------|
| Frank J. Breslin, M. D., Surgical Service . . . . .                  | 8 months.   |
| Joseph M. Kuder, M. D., Gynæcological Service, . . . . .             | 12 months.  |
| Robert Slater, M. D., Gynæcological Service . . . . .                | 12½ months. |
| Edward H. Dennen, M. D., Gynæcological Service . . . . .             | 14 months.  |
| Joseph C. Macdonald, M. D., Ophthalmic and Aural Service . . . . .   | 9 months.   |
| Albert B. Murphy, M. D., Ophthalmic and Aural Service . . . . .      | 12 months.  |
| Philip E. A. Sheridan, M. D., Ophthalmic and Aural Service . . . . . | 13 months.  |
| James E. Byrnes, Neurological Service . . . . .                      | 8 months.   |
| Walter M. Raleigh, M. D., Neurological Service, . . . . .            | 11½ months. |
| Stephen M. Smith, Neurological Service . . . . .                     | 9 months.   |
| Joe V. Meigs, Pathological Service . . . . .                         | 3½ months.  |
| Thomas K. Richards, M. D., Pathological Service . . . . .            | 9½ months.  |
| Arnold D. Versteegh, X-Ray Service . . . . .                         | 2 months.   |

## HOUSE OFFICERS ON DUTY.

(February 1, 1920.)

## MEDICAL SERVICE.

*House Physicians.*

Dwight O'Hara.  
Ernest A. Mandeville.  
William A. Mahoney.  
Paul N. Neal.

*Senior Medical Internes.*

Chester R. Mills.  
George G. Korolick.  
Stuart W. Adler.

*Medical Externes.*

Onis H. Horrall.  
David Zacks.  
Samuel Nadel.  
Louis C. Stein.

## SURGICAL SERVICE.

*House Surgeons.*

Russell F. Sullivan.  
John H. Gordon.  
Paul Gustafson.  
Ernest O. Nay.  
William L. MacKedon.

*Senior Surgical Internes.*

William R. Supple.  
Richard E. Dunne.  
Edward Harding.  
Edward J. Sawyer.  
Carmi R. Alden.

*Surgical Externes.*

Zung-dau Zau.  
Harry H. Butler.  
Carl E. Barstow.  
George W. Simpson, Jr.  
Donald C. McGill.

*Accident Floor House Officers.*

Joseph H. Burnett.

| Frederick J. Lynch.

*Junior Medical Internes.*

Raymond G. Ingalls.

Frank S. Cruickshank.

James A. Fountain.

Jesse B. Naive.

*Junior Surgical Internes.*

George H. Hooper.

Edward W. Wilder.

Oswald T. Fleury.

Charles L. Lynch.

Maurice G. Berlin.

## OPHTHALMIC AND AURAL SERVICE.

*House Surgeon, Aural Service.*

Jeffrey J. Walsh.

## HOUSE SURGEON, OPTHALMIC SERVICE, AND INTERNE, AURAL SERVICE.

Arthur L. Brunelle.

*Externe.*

Arnold B. Kauffman.

## NEUROLOGICAL SERVICE.

*House Physician.*

Lester A. Hanson.

*Senior Interne.*

Carl A. Peterson.

*Externe.*

Alvin R. Moses.

## PATHOLOGICAL SERVICE.

*Senior Interne.*

Lee E. Sutton, Jr.

## HOSPITAL OFFICERS.

- John J. Dowling, M. D., *Superintendent and Medical Director.*  
 Edmund W. Wilson, M. D., *Assistant Superintendent.*  
 James W. Manary, M. D., *First Executive Assistant.*  
 John A. Foley, M. D., *Second Executive Assistant.*  
 Harold Q. Gallupe, M. D., *Resident Surgeon.*  
 Francis S. Brodrick, M. D., *Third Executive Assistant.*  
 Lawrence A. Betteridge, M. D., *Night Executive Assistant.*  
 Henry M. Thomas, Jr., M. D., *Resident Physician for Special Service.*  
 Joseph P. Mulhearn, M. D., *Resident Anæsthetist.*  
 F. B. Mallory, M. D., *Pathologist.*  
 Frederick Parker, Jr., M. D., *Assistant Pathologist and Research Assistant in Pathology.*  
 Frank B. Berry, M. D., *First Assistant in Pathology.*  
 Rustin McIntosh, M. D., *Second Assistant in Pathology.*  
 William R. Ohler, M. D., *Assistant in Clinical Pathology.*  
 Samuel W. Ellsworth, M. D., *Physician for X-Ray Service.*  
 Paul F. Butler, M. D., *Assistant Physician for X-Ray Service.*  
 Thomas E. Buckman, M. D., *Hæmatologist.*  
 John Ferrin, *Chief Apothecary.*  
 Miss Leonie M. Corcoran, *Registrar.*  
 Miss Emma M. Nichols, *Counsellor to the Training School.*  
 Miss Ellen C. Daley, *Superintendent of Nurses and Matron.*  
 Miss Della M. Currier, *First Assistant Superintendent of Nurses.*  
 Miss Rose M. Foster, *Second Assistant Superintendent of Nurses.*  
 Miss Eliza S. Williams, *Third Assistant Superintendent of Nurses.*  
 Miss Francis E. Morley, *Instructor of Nurses.*  
 Miss Maud E. Duncklee, *Instructor of Probationers.*  
 Miss Mary Currier, *Instructor in Obstetrics.*  
 Miss Myrtle Rix, *Night Supervisor of Nurses.*  
 Miss Mary A. Douglass, *Assistant Matron.*  
 Miss Lydia C. Lee, *Chief Dietitian.*

## SOUTH DEPARTMENT.

- John J. Dowling, M. D., *Medical Director.*  
 Edwin H. Place, M. D., *Physician-in-Chief.*  
 Jesse M. David, M. D., *Assistant Physician.*

Lee F. Hill, M. D., *Assistant Physician.*

Paul C. Carson, M. D., *Assistant Physician.*

Miss Julia E. F. Gertz, *Assistant Superintendent of Nurses and Matron.*

*House Officers.*

(February 1, 1920.)

Augustine W. McGarry.

William Koppel.

Kenneth E. Millan.

Forrest B. Ames.

HAYMARKET SQUARE RELIEF STATION.

John G. Breslin, M. D., *Resident Surgeon.*

Bernard F. Devine, M. D., *Assistant Resident Surgeon.*

Miss Rose F. Moran, *Matron.*

*House Officers.*

(February 1, 1920.)

Frank W. Milward, Jr.

Bruce Snow.

Thomas K. Richards.

EAST BOSTON RELIEF STATION.

George E. Allen, M. D., *Resident Surgeon.*

G. Lynde Gately, M. D., *Assistant Resident Surgeon.*

CONVALESCENT HOME.

Miss Elizabeth C. Fairbank, *Matron.*



## REPORT OF THE TRUSTEES.

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BOSTON, February 2, 1920.

HON. ANDREW J. PETERS,  
*Mayor of the City of Boston:*

SIR,—In compliance with the ordinances, the trustees of the Boston City Hospital present the following report of its condition for the year ending January 31, 1920.

This is the fifty-sixth annual report of the Hospital Department, which consists of the main hospital, the South Department for infectious diseases, the Haymarket Square Relief Station, the East Boston Relief Station and the Convalescent Home in Dorchester.

The Board of Trustees was organized on May 5, 1919, by the election of Mr. Joseph P. Manning as president and Mr. Thomas A. Forsyth as secretary.

In May, Mr. Thomas A. Forsyth was reappointed to the Board of Trustees for the term ending April 30, 1924.

## EXPENDITURES.

The entire expenditures for all departments of the hospital for maintenance during the fiscal year were \$1,004,219.84. Of the amount spent for maintenance, \$446,346.63 was expended upon personal service (see Table No. 1); \$41,166.24 upon service other than personal; \$53,929.89 upon equipment; \$431,824.67 upon supplies; \$24,703.84 upon materials; \$2,478.73 upon special items, such as pensions and annuities and workmen's compensation.

To the amount expended, \$1,004,219.84, there should be added the difference in the amount of stock on hand February 1, 1920, which was \$5,187 less than on January 31, 1919, making the total amount properly chargeable

as the expenditures for maintenance of all departments for the year, \$1,009,406.84. By deducting \$107,451.52 (the carefully estimated cost of the various out-patient departments), we get \$896,768.32 as the gross cost of all ward patients. The sum was expended for 39,803 weeks' board of patients, at a cost per capita of \$22.66 per week, or \$3.23 $\frac{5}{7}$  per day.

If we deduct the money collected for paying patients, interest on trust funds and other income, the net cost to the city per capita per week was \$18.21, or \$2.60 $\frac{1}{7}$  per day.

The cost of subsistence supplies was \$245,615.53, the total weeks' board for an average of 1,453.4 persons was 75,785. This gives a cost per person for uncooked food supplies of \$3.24 per week, or 46 $\frac{2}{7}$  cents per day.

#### PAYING PATIENTS.

During the year there has been collected for the care and treatment of patients of all classes the sum of \$172,272.48, itemized as follows: There was received from the Commonwealth of Massachusetts for the board of patients at the hospital proper, \$51,485.84; at the South Department, \$2,727; from various cities and towns for hospital proper, \$11,701.78; collected at the Superintendent's office, on account of private room, ward and Out-Patient Department paying patients, \$75,962.75, of which \$15,964.23 was from insurance cases; for board of paying patients at the South Department, \$7,031.23; on account of ward and Out-Patient Department paying patients at the Haymarket Square Relief Station, \$2,853.73, of which \$1,834.11 was from insurance cases; on account of ward and Out-Patient Department paying patients at the East Boston Relief Station, \$1,689.36, \$908.79 of this being from insurance cases.

There has also been collected for the hospital, by the Health Department, for the care of infectious cases at the South Department, and paid to the City Collector, the additional sum of \$18,820.79.



The following is a tabular statement of the income from paying patients:

FEBRUARY 1, 1919, to JANUARY 31, 1920, INCLUSIVE.

|  | Hospital Proper. | South Department. | Haymarket Square Relief Station. | East Boston Relief Station. | Totals.      |
|--|------------------|-------------------|----------------------------------|-----------------------------|--------------|
| Collected at the hospital:                               |                  |                   |                                  |                             |              |
| From the state.....                                      | \$51,485 84      | \$2,727 00        |                                  |                             | \$54,212 84  |
| From cities and towns.....                               | 11,701 78        |                   |                                  |                             | 11,701 78    |
| From ward and private room patients.....                 | 59,998 52        | 7,031 23          | \$1,019 62                       | \$780 57                    | 68,829 94    |
| From insurance cases:                                    |                  |                   |                                  |                             |              |
| House cases, including X-ray cases and record fees,      | 12,837 23        |                   | 252 61                           | 101 29                      | 13,191 13    |
| Out-patient cases.....                                   | 3,127 00         |                   | 1,581 50                         | 807 50                      | 5,516 00     |
| Totals.....  | \$139,150 37     | \$9,758 23        | \$2,853 73                       | \$1,689 36                  | \$153,451 69 |
| Collected by Health Department for contagious cases..... |                  | 18,820 79         |                                  |                             | 18,820 79    |
| Totals.....  | \$139,150 37     | \$28,579 02       | \$2,853 73                       | \$1,689 36                  | \$172,272 48 |

The revenue was increased \$18,006.65 by X-ray charges, salvarsan treatment, removal of tonsils and adenoids, issuing of certificates and *ex officio* statements, circumcision and payment of nurses' board.

A table showing the revenue received from paying patients, interest on trust funds, sale of old material and other sources, will be found on page 68 of the Superintendent's report.

#### FIRE PROTECTION.

In order to conform to the demands of the Fire Prevention Commissioner, structural changes were made in the ambulance station at a cost of \$9,068.30. In order to further insure the safety of the employees rooming in the Drown House, the trustees made extensive alterations, providing better facilities for egress in case of fire.

## THE THORNDIKE MEMORIAL.

In May the trustees of the George L. Thorndike Fund turned over to the City Treasurer \$200,000.00. On September 16, 1919, bids were opened for the Thorndike Memorial Building, under plans and specifications prepared by Maginnis & Walsh, but as the bids all exceeded the amount available, they were rejected. The architects have now revised the plans and specifications, and it is the intention of the trustees to request of the Mayor and Council a loan sufficient to erect the building under the new plans and specifications.

A statement of the fund is, viz.:

|   |                     |
|---|---------------------|
| May 27, 1919, from trustees of estate of George L. Thorndike . . . . .        | \$200,000 00        |
| Interest credited by City Auditor, July 1, 1919 to January 31, 1920 . . . . . | 3,823 60            |
|   | <hr/>               |
|   | \$203,823 60        |
| Expenditures . . . . .  | 5,253 13            |
|   | <hr/>               |
| On hand January 31, 1920 . . . . .  | <u>\$198,570 47</u> |

The expenditures comprise a payment on account to the architects, and the cost of test borings and printing the specifications.

## DIET KITCHEN.

Work was begun on remodeling the basement of Ward E for the Special Dietary Department. The equipment was placed in position in December and the necessary connections for steam and water are being made by the hospital mechanics. The new quarters have been badly needed for the last few years, due to the over-crowded condition of the present small diet kitchen, which prepares an average of 5,200 meals a month.

## SURGICAL DEPARTMENT.

There have been so many changes and re-organizations in the surgical services during the past twelve months, due to the return to pre-war conditions and to

the amalgamation of the former gynæcological service with the surgical department, that it does not seem fitting to make any critical report of the department at this time. The year 1920 will demonstrate doubtless whether the existing conditions may be continued with propriety. Special lines of work, with suitable assignment of cases to make such work possible, are being carried on by various members of the staff under the direction of a committee appointed for the purpose, and the present year will show the value of such an arrangement and whether or not it should be continued.

#### GYNÆCOLOGICAL DEPARTMENT.

From January 1, 1919, until May, 1919, the work of the Gynæcological Service was carried on by Doctors Green, Williams, Good and Friedman, with the help of Dr. J. P. Cohen, who had been appointed temporarily as assistant during the war.

Notwithstanding the reduced staff, the work of the service was performed successfully and faithfully by the members who remained, and they deserve every credit for their untiring attention in spite of the increased pressure of outside professional calls.

In May, 1919, both Doctor Mason and Doctor Young returned from service with the United States Army.

In June a committee consisting of members of the Gynæcological and Surgical Services reported upon a plan for the amalgamation of the Gynæcological with the Surgical Services, at the request of the trustees.

The proposed change, which was accepted by the trustees, has increased the difficulties of administration, but the plan has been under trial for too short a period to report upon its merits or defects.

For the past six months there has been more teaching in our wards than ever, and the Harvard Medical School is beginning to make use of the excellent pathological obstetrical material which is furnished by no other clinic in the City of Boston.

The Out-Patient Department has received careful attention and the clinics are well attended. An increasing number of women are visiting the clinic for prenatal care and the majority of these women are delivered in our wards.

#### DERMATOLOGICAL DEPARTMENT.

During the last year the number of patients attending the Out-Patient Department has greatly increased. The Out-Patient Clinic has been selected by the Health Department of the State as one of its treatment stations in the campaign that it is waging for the control of syphilis. As partial compensation for this privilege the State gives a subsidy to the head of the service to be expended in any way he sees fit. For the last two years this money has been transferred to the Medical Social Department to be used towards a salary for a social worker. The state also provides us with arsphenamine free.

Some idea of the amount of work that the Out-Patient Department is doing can be gained by taking the statistics of any month at random. The following figures are for the month of November, 1919. New patients, 154; old patients, 691; total, 845. New males, 97; old, 399; new females, 57; old, 292. The largest attendance on any day, 101. The smallest, 61. The number of cases of syphilis comprised in the above total, 519. This is divided between males 309, females 210. The number of Wassermann reactions, 83.

The number of new patients that came to the department for the year 1919 was 2,100, of which 354 were cases of syphilis and 1,745 represented other dermatoses.

The syphilitic cases divided according to their so-called stages are: Primary, 42; secondary, 57; tertiary, 242; congenital, 13; syphilophobia (hysteria), 2. No yearly record of the Wassermann reaction is kept in the department as these reactions are required so frequently as a guide to degree of treatment,

Among the rarer diseases diagnosed in the clinic are:



leprosy, smallpox, lichen planus, dermatitis, herpetiformis, multiple benign cystic epithelioma, plica, neuropathica (this is of extreme rarity), favus.

#### NEUROLOGICAL DEPARTMENT.

Owing to the absence of half the members of the Neurological Staff for war service, the work of the department has been somewhat handicapped.

The most important new feature of the work of the service has been the opening of Ward J in February, 1919. This ward, in the basement of the Third Pavilion, has been fitted to contain four double rooms with two beds each, with a general ward adjoining. There have also been instituted two permanent baths for excited patients. The service has thus obtained facilities for treating noisy, excited, and violent cases apart from the other patients, and all cases requiring such treatment have been admitted to the service. The advantages both for the patients themselves and the patients in other wards of the hospital have been very great.

A similar ward for female patients is even more desirable, although since the prohibitory laws have been in force there has been a considerable diminution in the number of alcoholic cases, and, naturally, a smaller number of patients requiring treatment in such a ward.

#### PATHOLOGICAL DEPARTMENT.

It was not until July that the laboratory force was finally recruited to its former strength, except for one interne. Since then every effort has been made to catch up on back work and to get the laboratory into good running order again.

The new special pneumonia service has thrown a good deal of extra work on the laboratory. Under normal conditions one extra assistant handles it easily, but in emergencies, as at the present time, it requires nearly all the laboratory force to make all the examinations required. Everything else but the bare necessary routine has to be neglected.

Research work had to be entirely neglected during the war and for a long time afterward. Now it is again in active operation. Two papers have been published and three others are almost ready. One, on measles, was largely done before the war, but work has been continued on it at spare moments ever since. The second is on dural endothelioma, an important and common brain tumor. This study has led to the rather surprising realization that there is no dural endothelium, as is universally taught, but that these tumors all arise from the arachnoid and are closely related to the tumors developing from the perineurium of the nerves. The study throws interesting light on the embryology and histology of the arachnoid and on the nature of the so-called dural endothelioma, which is in fact an arachnoid fibroblastoma.

A third piece of work is by Dr. F. B. Berry, and is of considerable interest. It is on the regeneration of smooth muscle cells in man and other animals. It has a bearing on the repair of wounds, surgical and otherwise, of the gastro-intestinal tract, uterus and urinary bladder.

Other investigations in progress are the following: An analysis of all the cases of cirrhosis of the liver which have come to autopsy during the past twenty-four years, together with a report of the experimental work in an attempt to produce the same type of lesions in animals; an attempt to determine the cause of acute yellow atrophy of the liver which has followed treatment with arsphenamine in a limited number of instances; statistics on all the cases of lobar pneumonia which have come to autopsy during the past twenty-four years; bacteriologic study of lung punctures at different stages of the disease.

The photomicrographic plant has recently been set up in new, commodious and convenient quarters and is already beginning to yield good results in the way of illustrations for the papers about to be published.

WORK OF THE PATHOLOGICAL LABORATORY FOR THE  
YEAR.

|  |         |
|--|---------|
| Autopsies . . . . .                        | 123     |
| Surgical diagnoses . . . . .               | 1,822   |
| Clinical bacteriology (positive) . . . . . | 771     |
| Clinical bacteriology (negative) . . . . . | 764     |
| Blood cultures (positive) . . . . .        | * 56    |
| Blood cultures (negative) . . . . .        | * 232   |
| Guinea pig tuberculosis . . . . .          | 62      |
| Wassermann reactions (total) . . . . .     | † 6,420 |
| Wassermann reactions (positive) . . . . .  | † 1,545 |

X-RAY DEPARTMENT.

The X-Ray Department has completed fifteen years since its organization as a special service in 1905. During the past ten years, since it was established in the present quarters in the Burnham Building, the work has shown remarkable increase. In 1909 the patients examined numbered 2,707; the total negatives made was 4,587; during the year 1919, the patients examined numbered 13,934, and the negatives totalled 27,211.

The use of the X-ray has become not only more diversified, but also more generally employed, at present serving in some way all the departments of the hospital, either in diagnosis or treatment.

The total number of patients shown by the following tabulation indicates the large proportion of patients admitted to the surgical, medical and special clinics, which have recourse to the X-ray laboratory.

The therapeutic side of the work has been greatly developed during the past few years. The dosage of treatment by X-rays has been established with greater accuracy, and experience in the treatment of the graver surgical diseases, such as malignant growths and hyperthyroidism, has shown most encouraging results. Expansion in this field of work will require enlargement of our facilities.

A portable X-ray apparatus, such as was used in the United States Army hospitals, which can be taken to

\* 19.4 per cent positive.

† 21.5 per cent positive.

the bedside of the patient, was obtained early in the year, and has proved invaluable for the study of those patients ill with influenza and pneumonia, whose critical condition would not permit their transportation to the X-ray room. This apparatus has also been used in the bedside examination of patients in the surgical wards, where fractures and apparatus would have been disarranged by transportation.

The following table indicates the work of the past year:

|  |        |
|--|--------|
| Number of photographs . . . . .                    | 20     |
| Number of dental films . . . . .                   | 1,649  |
| Number of gastro-intestinal examinations . . . . . | 1,174  |
| Number of patients examined . . . . .              | 13,934 |
| Number of X-ray treatments . . . . .               | 562    |
| Number of negatives made . . . . .                 | 27,211 |
| Total attendance of patients . . . . .             | 14,457 |
| Total attendance of ward patients . . . . .        | 5,641  |
| Total attendance of out-patients . . . . .         | 8,816  |

#### DEPARTMENT FOR VACCINE AND SERUM THERAPY.

The Department of Vaccine and Serum Therapy has had under treatment 561 patients.

Protective inoculation against typhoid and paratyphoid was administered to 130 people. Protective inoculation against pneumonia was administered to 45 individuals.

The number of curative vaccine inoculations administered was 1,500; protective typhoid and paratyphoid inoculations, 390; protective inoculations against pneumonia, 113.

The number of diarsenol injections was 643; intradural salvarsanized serum injections, 232; mercury injections, 145; blood and spinal fluid specimens taken for Wassermann tests, 577. The total number of patients to whom protective or curative treatment was administered, 561; the total number of visits to out-patient clinic, 3,087. The laboratory prepared 232 Swift-Ellis salvarsanized sera for treatment.



## DENTAL SERVICE.

The following figures represent the work accomplished in the Dental Department during the past year:

|  |     |
|--|-----|
| Number of out-patients treated . . . . .                 | 137 |
| Number of visits made by these out-patients . . . . .    | 183 |
| Number of ward patients treated . . . . .                | 180 |
| Ether cases . . . . .                                    | 40  |
| Nitrous oxide . . . . .                                  | 22  |
| Local anesthesia . . . . .                               | 76  |
| Antrum operations . . . . .                              | 5   |
| Impacted teeth removed . . . . .                         | 16  |
| Root amputations . . . . .                               | 2   |
| Teeth extracted . . . . .                                | 214 |
| Alveolar abscesses . . . . .                             | 13  |
| Alveolar abscesses opened on face . . . . .              | 7   |
| Osteomyelitis (one nearly the whole lower jaw) . . . . . | 3   |
| Fractured jaw cases:                                     |     |
| Compound . . . . .                                       | 22  |
| Simple . . . . .   | 6   |

## DIABETIC OUT-PATIENT CLINIC.

The diabetic clinic was opened the first of December, 1919, for the treatment of out-patient diabetics, both medical and surgical. Up to the end of the hospital year there have been 16 out-patients treated, with a total of 112 visits made by these patients. The largest number of visits on any one day has been 15 and the smallest number, 2.

All patients attending the clinic are taught how to test urine for sugar at home. They are also taught by the hospital dietitian something about the preparation of their diets. In this way each is gradually learning how to take proper care of his own case.

Beside these out-patients, twenty-two ward patients have also been cared for by this clinic.

A special laboratory was established in 1916 for the study of nephritis. From the spring of 1917 until the spring of 1919 the laboratory was closed, owing to the absence of the physician in charge in the service. At

present the laboratory is engaged in the study of nephritis — the chronic cases in the main hospital and the acute cases at the South Department; it is also carrying on the special laboratory tests in connection with diabetic cases in the main hospital and in the Out-Patient Department. The laboratory is now equipped for proper study of thyroid cases, with special reference to total metabolism.

#### PNEUMONIA — INFLUENZA SERVICE.

In February, 1919, a service was organized to care for cases of influenza and influenza-pneumonia, and to this end the service of a resident physician was obtained. The Senior Internes from the four medical services rotate on the pneumonia service, and are theoretically in charge, with the help and advice of the Resident Physician.

During the first year, 834 patients were admitted to the service. These fall into the following classification:

|                               |            |
|-------------------------------|------------|
| Lobar pneumonia . . . . .     | 396        |
| Influenza . . . . .           | 81         |
| Influenza-pneumonia . . . . . | 143        |
| Broncho-pneumonia . . . . .   | 90         |
| Empyema . . . . .             | 21         |
| Miscellaneous . . . . .       | 103        |
| Total . . . . .               | <u>834</u> |

In the spring of 1919 an effort was made to test the efficacy of convalescent serum in the treatment of influenza-pneumonia. Twenty-two cases were treated by this method, and a control series of twenty-two similar cases was observed simultaneously. The mortality of these two groups proved to be identical. A continuation of this work was undertaken this year, but could not be carried on on account of the short duration of the 1920 epidemic.

It is believed that, with the aid of special equipment and a resident staff, the care given the pneumonia patients on the Special Service is necessarily of a much

higher type than under the old method of having the patients scattered throughout the hospital. It is also believed that the opportunity for clinical and laboratory investigation offered by this service is second to none in the country, and should be fostered in every possible way.

#### BLOOD LABORATORY.

A special service for the treatment and investigation of intrinsic diseases of the blood was established early in the autumn under direction of Dr. R. C. Larabee. The study of blood diseases involves much detailed laboratory work, so that the establishment of a well equipped laboratory became essential. The laboratory was put into working order in a remarkably short space of time and was ready for work early in December.

The work of the service may be divided conveniently into three parts: 1. Treatment. 2. Investigation. 3. The maintaining of a supply of donors for the hospital. During the first eight weeks the service has treated on the First Medical Service, two cases of aplastic anemia, four cases of pernicious anemia, one case of hemophilia, one case of purpura hemorrhagica, one case of secondary anemia. In addition, the Blood Service has seen in consultation forty cases suspected of diseases of the blood.

As a problem for investigation it has been decided to study the chemical properties of the erythrocytes in pernicious anemia, and work on this problem has already begun.

By indulging slightly in conservative publicity, it has been possible to secure for transfusion purposes no less than fifty donors who are available at any time, not only for cases receiving especial attention on the Blood Service, but also for others who may need transfusion.

#### DEPARTMENT OF MEDICAL-SOCIAL WORK.

The loss which this committee, and the hospital as well, have sustained in the death, in October, of Mrs. Paul Thorndike cannot be estimated. It was she who

introduced this work into the City Hospital, and her name must always be associated with it in the years to come.

The committee has continued its endeavor to serve the hospital and its patients, and still makes itself responsible for raising part of the money necessary for the work. In June the city granted three additional salaries, thus making eight paid for in whole, or in part, by the city.

The State Board of Health again contributed, through Dr. Townsend W. Thorndike, its subsidy towards the support of a social worker for the syphilitic patients in the Dermatological Department. The paid staff at present numbers seventeen, and consists of: The Director, 14 case workers, and 2 clerical workers. We have continued to give a few week's training to two pupil nurses and other students, and have had with us a few volunteer assistants.

In connection with our work for children a small nutrition class has been started for the patients who are referred to it through the Medical Out-Patient Department. The teacher has thus far been generously supplied through the Dietetic Bureau.

A children's library, to supply books to the children in the wards, is being organized. It is made possible by the gift of \$500 given by a member of the committee in the names of Vera and Hetty Lang Ratschesky, and by further contributions of books by other individuals. This will, it is felt, meet a real need. Also tentative plans have been made to overcome the handicap experienced by many children of losing their grade in school if obliged to remain in the hospital over an extended period. The work was begun with a volunteer teacher; the interest of school-teachers and of the School Committee has been enlisted, and it is hoped that the latter will eventually supply one or more teachers if it proves to be advisable.

In addition to the work already organized in the Out-Patient Department, a worker has this winter been placed in direct connection with the ophthalmic and aural and throat clinics.



The policy of confining our work to selected groups has been adhered to because of the desire to be of real service. It would not be possible to serve all departments of the institution without an adequate staff of workers, if good work is to be accomplished.

The number of workers has been increased as the finances have permitted, and as has seemed consistent with sound development.

Some of the statistics for the year are hereto appended.

(NOTE.—A more detailed report is published under separate cover and may be had on application to this department.)

### SOCIALLY RECORDED WORK.

|  |              |
|--|--------------|
| Patients carried over from last year . . . . . | 326          |
| Reinstated during the year . . . . .           | 126          |
| New patients . . . . .                         | 1,888        |
| Total . . . . .                                | <u>2,340</u> |

Twenty-eight per cent of the 1,888 new patients were children sixteen years of age and under.

As in previous years, we found that 45 per cent of the patients were already known to an outside social agency.

The 2,014 new and reinstated patients came to us from the following departments and officials of the hospital:

|   | House. | Out-Patient Department. | Total. |
|---|--------|-------------------------|--------|
| Medical services . . . . .  | 481    | 213                     | 694    |
| Surgical services . . . . .   | 295    | 110                     | 405    |
| Gynæcological services . . . . .  | 159    | 96                      | 255    |
| Skin services . . . . .   | 5      | 85                      | 90     |
| Aural and throat services . . . . .   | 12     | 11                      | 23     |
| Ophthalmic services . . . . .   | 1      | 11                      | 12     |
| Nerve services . . . . .  | 46     | 26                      | 72     |
| Genito-urinary services . . . . .   | 2      | 7                       | 7      |
| South Department . . . . .  | 2      |                         | 2      |
| Executive . . . . .   | 28     | 10                      | 38     |
| Other sources within the hospital, including nurses, chaplain, matrons, clerks, supervisors, accident room and social workers . . . . . | 295    | 35                      | 330    |
| Outside the hospital . . . . .  |        |                         | 86     |
| Totals . . . . .  | 1,324  | 604                     | 2,014  |

Our service to the 1,888 new patients included:

|  |     |
|--|-----|
| 1. Referred for nursing and medical care in the home . . . . .                 | 192 |
| 2. Referred to tuberculosis agencies . . . . .                                 | 152 |
| 3. Referred to public social agencies . . . . .                                | 77  |
| 4. Referred to private social agencies . . . . .                               | 342 |
| 5. Referred to institutions (evening and other Out-Patient clinics), . . . . . | 66  |
| 6. Referred to the Red Cross Civilian Relief Department . . . . .              | 43  |
| 7. Admitted to an Almshouse Hospital . . . . .                                 | 119 |
| 8. Obtained admittance to other institutions . . . . .                         | 144 |
| 9. Obtained convalescent care . . . . .  | 129 |
| 10. Co-operated with school authorities . . . . .                              | 22  |
| 11. Home visits, medical follow-up, dentistry, etc. . . . .                    | 524 |
| 12. Material relief . . . . .  | 18  |
| 13. No definite social action . . . . .  | 60  |

### SOCIALLY UNRECORDED WORK.

In addition to the 2,340 patients, our service to whom was recorded socially, we rendered definite social service to a monthly average of 158 out-patients. Many house patients were so helped, as for instance referring many mothers with their new born infants to the Baby Hygiene Association, but no record was kept of these numbers.

We made 5,249 visits outside the hospital, 4,742 of these were on socially recorded cases.

(Signed) OLGA E. MONKS, *Chairman.*

#### *Committee.*

Mrs. HENRY ANDREWS. Mrs. GEORGE H. MONKS.  
 Mrs. EDWARD H. BRADFORD. Miss MARY MORTON.  
 Mrs. HERBERT L. BURRELL. Mrs. FREDERICK C. PALMER.  
 Mrs. CHARLES A. COOLIDGE. Mrs. CHARLES T. PARKER.  
 Mrs. HARVEY CUSHING. Mrs. EDWARD D. PICKMAN.  
 Mrs. THOMAS M. DEVLIN. Mrs. I. A. RATSHEKSKY.  
 Mrs. HENRY EHRLICH. Mrs. MILTON ROSENAU.  
 Mrs. REID HUNT. Miss ANNA THORNDIKE.  
 Mrs. COLIN W. McDONALD. Mrs. ERNEST B. YOUNG.  
 Miss GERTRUDE L. FARMER, *Director.*

### OCCUPATIONAL THERAPY.

Occupational treatments were instituted in these wards on April 1, 1919, and have been sustained without

interruption throughout the year. Many industrious workers have been developed during this period. The character of the cases treated has varied greatly.

Men and boys, waiting for operation, have been helped by occupation. Freshly injured men have seized quickly at the chance to keep themselves in commission. Many young boys, kept out of school for months by serious accidents, have rejoiced in the work; rioters, under arrest and threatening dire reprisals, have had their thought and muscles directed to decent work; ignorant laborers have learned to use their hands to advance their knowledge of mechanical processes; self-respecting men have grasped the opportunity to make the enforced period of inability more productive. Mutual interests have been established and more orderly conduct has resulted.

A great variety of occupations have been taught, and many hundred pieces of good work turned out. At one time in the summer the men became indifferent to work, but soon fell into line again, and now clamor for more than can be supplied. One patient said recently, "Why, people outside don't know anything about this place; they think it is just a hospital."

The treatments have been given entirely by registered nurses, each case being considered in the light of their best knowledge. Graduates from various training schools are supervised by the director of the Experiment Station of Invalid Occupation. Careful records are kept of each case, and the re-action to treatment noted.

The patient himself is the product, the work of his hands the by-product. This he usually buys for the bare cost of stock, and rarely fails of having the price, which is kept low in all cases.

This is not a convalescent ward. The beds are filled with injured men and boys. These are the workers who plead for more work, these are the non-productive citizens who have earned close on to one hundred dollars during the past eight weeks alone.

## SOUTH DEPARTMENT.

During the twenty-five years that the department has been in operation, 62,346 patients have been received, nearly all ill with an infectious disease.

## HAYMARKET SQUARE RELIEF STATION.

This Relief Station has been in commission eighteen years. In these eighteen years, 598,615 patients have been treated. The number of patients treated during the first year was 20,150 and during the present year, 25,745, a very great increase. These patients received 26,309 days' treatment.

## EAST BOSTON RELIEF STATION.

In the eleven years that the East Boston Relief Station has been in operation, 144,248 patients have been treated. For the year ending January 31, 1920, 10,691 patients were treated. These patients received 30,102 days' treatment.

## CONVALESCENT HOME.

The number of patients treated during the year was 323, who received 6,466 days' treatment.

## WEST DEPARTMENT.

The West Department, since its completion, has been leased to the War Department as part of United States General Hospital No. 10.

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**OBITUARY.**

When death took Rachel Sherman Thorndike out of this world in October, 1919, the City of Boston was deprived of one of her most loyal citizens and the Boston City Hospital of a benefactor, the extent of whose influence none can measure. She did not ask for recognition for her acts, and she was so truly humble that hundreds of citizens, enjoying the results of her thought for them, do not know her name.

Mrs. Thorndike had felt for many years that the




tens of thousands of citizens treated each year at the Boston City Hospital were in great need, after leaving the hospital, of the direction, encouragement and wise oversight which was given by the city hospitals elsewhere and by the Massachusetts General Hospital in Boston. The more she studied the conditions the more convinced she became of the need of such an extension of the City Hospital service and the more determined she was that it should be provided. She learned that experience had shown that such work must be started and largely carried for a time by personal efforts of private individuals. No one with less courage or with weaker faith in the great results of the enterprise would have undertaken it. Undismayed by the appalling numbers who needed such help, undaunted by the many discouragements always awaiting a pioneer, she made the cause of the City Hospital patients her own. Never questioning anyone's willingness to help, once the urgency of the need was understood, she eloquently pleaded for help and support, and her friends justified her faith in them.

Wise as well as ardent, she advocated a slow development of the work; yet when it was shown that by assuming a new and heavy burden the effectiveness of the service would be increased, she urged its acceptance with characteristic optimism, always saying, "I know that we can carry it!" and, thanks in great measure to her indomitable spirit and untiring efforts, it was carried.

The women who have had the privilege of working with her can never forget her unfailing courtesy, her untiring energy, her courage, her unstinted spending of her own vitality, and, perhaps the rarest quality in a person of unusually strong convictions, the generous recognition of fine qualities in those who differed with her and her deference to their opinions.

A rare, loving, loyal woman has gone; but her influence will remain an inspiration, and the work she inaugurated will spread from year to year.



## CHANGES IN THE MEDICAL AND SURGICAL STAFF.

A sense of great loss was felt over the retirement of two members of the Visiting Staff who have been closely identified with the highest interests of the hospital since the early nineties:—Dr. Henry Jackson, who has served as Vice President of the Senior Staff, also as a member of the Administrative Board; and Dr. George G. Sears, who has filled the office of President of the Senior Staff, chairman of the Social Service Committee, has also served on the committee which organized the Administrative Board, and is now a member of the Board of Trustees. Doctor Jackson and Doctor Sears were appointed Consulting Physicians.

The resolutions adopted by the Senior Staff upon these resignations contain the following paragraph:

Dr. Henry Jackson and Dr. George Gray Sears have for many years been so closely associated with all of the activities of the hospital that it is very difficult to proceed without their leadership and counsel, and those of us who are struggling with the burdens which they have laid down find the road hard and the way long without their wise and generously given advice.

The following members of the staff resigned their positions:

John H. Cunningham, M. D., First Assistant Visiting Surgeon; Isador H. Coriat, M. D., First Assistant Visiting Physician for Diseases of the Nervous System; Robert J. Kissock, M. D., Assistant Surgeon for Diseases of Ear and Throat; Roland A. Behrman, M. D., Second Assistant Visiting Physician; Frederick N. Stephens, M. D., Assistant to the Ophthalmic Surgeons; John H. Blodgett, M. D., Assistant Surgeon for Diseases of Ear and Throat.

The following promotions have been made: Allen Greenwood, M. D., from the position of Ophthalmic Surgeon to that of Visiting Ophthalmic Surgeon; Rockwell A. Coffin, M. D., from the position of Surgeon

for Diseases of Ear and Throat to that of Visiting Surgeon for Diseases of Ear and Throat; Henry Tolman, Jr., M. D., from the position of Assistant Surgeon for Diseases of Ear and Throat to that of Surgeon for Diseases of Ear and Throat; Robert C. Cochrane, M. D., from the position of Out-Patient Surgeon to that of First Assistant Visiting Surgeon; Jeremiah J. Corbett, M. D., from the position of Assistant to the Ophthalmic Surgeons to that of Ophthalmic Surgeon; Edwin A. Locke, M. D., and Edward N. Libby, M. D., from the position of First Assistant Visiting Physician to that of Visiting Physician; MacIver Woody, M. D., from the position of Assistant to Out-Patient Surgeons to that of Out-Patient Surgeon; Cadis Phipps, M. D., from the position of Second Assistant Visiting Physician to that of First Assistant Visiting Physician; Harold W. Dana, M. D., from the position of Second Assistant Visiting Physician to that of First Assistant Visiting Physician.

Upon nomination made by the President and Fellows of Harvard College, Edwin A. Locke, M. D., First Assistant Visiting Physician, was appointed Acting Chief of the Fourth Medical Service.

The following appointments were made: Burton E. Hamilton, M. D., Second Assistant Visiting Physician; Edward J. Monahan, M. D., Assistant Surgeon for Diseases of Ear and Throat; William R. Redden, M. D., Second Assistant Visiting Physician; Maximilian C. von Groll, M. D., Assistant to the Physician for Diseases of the Skin; Harry A. Nissen, M. D., Second Assistant Visiting Physician; Abraham Myerson, M. D., First Assistant Visiting Physician for Diseases of the Nervous System; Joseph M. Lynch, M. D., Second Assistant Visiting Physician; Donald Munro, M. D., Assistant to the Out-Patient Surgeons; Howard M. Clute, M. D., Assistant to Out-Patient Surgeons; Leon W. Jessaman, M. D., Assistant to the Ophthalmic Surgeons; Howard E. Settle, M. D., Assistant to the Ophthalmic Surgeons; Robert E. Bonney, M. D., Physician for Physical

Therapeutics; Walter T. Garfield, M. D., Assistant to the Physician for Diseases of the Skin; Mabel D. Ordway, M. D., Second Assistant Visiting Physician for Diseases of the Nervous System; Joseph H. Shortell, M. D., Out-Patient Surgeon; Augustus Riley, M. D., Assistant to Out-Patient Surgeons; Joseph P. Cohen, M. D., Assistant to Out-Patient Surgeons; Samuel H. Wilkins, M. D., Assistant to the Ophthalmic Surgeons.

Upon the reappointment of the Dental Staff, titles were changed, making the personnel of the staff as follows: Stephen P. Mallett, D. M. D., Oral Surgeon-in-Chief; William H. Canavan, D. M. D., Oral Surgeon; Thomas Hennessey, D. M. D., Oral Surgeon; Harold A. Carnes, D. M. D., Dentist..

In the latter part of November the Gynæcological Service was merged into the Surgical Service; the members of the Surgical Staff retaining their former titles, the members of the Gynæcological Staff receiving the following titles: Charles M. Green, M. D., Senior Surgeon; Ernest B. Young, M. D., Surgeon-in-Chief; Nathaniel R. Mason, M. D., Visiting Surgeon; Robert M. Green, M. D., First Assistant Visiting Surgeon; John T. Williams, M. D., First Assistant Visiting Surgeon; Frederick L. Good, M. D., First Assistant Visiting Surgeon; Leo V. Friedman, M. D., First Assistant Visiting Surgeon.

The following temporary appointments were made for periods of six months: To the position of Assistant to the Visiting Physicians: Joseph E. Hallisey, M. D., beginning July 1, 1919, also beginning January 1, 1920; William L. Moss, M. D., beginning October 1, 1919; Howard Osgood, M. D., beginning January 16, 1920. To the position of Assistant to Out-Patient Surgeons: Edward M. Hodgkins, M. D., beginning April 24, 1919; Howard M. Clute, M. D., beginning June 27, 1919; Augustus Riley, M. D., beginning June 20, 1919; Donald Munro, M. D., beginning July 11, 1919; Reginald D. Margeson, M. D., beginning July 25, 1919; Joseph H. Shortell, M. D., beginning September 12, 1919; William



F. Dolan, M. D., beginning September 26, 1919; Carl T. Harris, M. D., beginning December 17, 1919; William R. Morrison, M. D., beginning December 17, 1919; Francis J. Nash, M. D., beginning December 17, 1919; Harold V. Hyde, M. D., beginning January 1, 1920; George W. Papen, M. D., beginning December 31, 1919. To the position of Assistant to the Surgeons for Diseases of Women: Joseph P. Cohen, M. D., beginning July 1, 1919. To the position of Assistant to the Surgeons for Diseases of Ear and Throat: J. M. Scanlon, M. D., beginning June 13, 1919; Philip E. A. Sheridian, M. D., beginning January 20, 1920. To the position of Assistant to the Physician for Physical Therapeutics: George L. Howland, M. D., beginning February 14, 1919; Robert E. Bonney, M. D., beginning July 1, 1919. To the position of Second Assistant Visiting Physician for Diseases of the Nervous System: Mabel D. Ordway, M. D., beginning July 1, 1919; Owen B. Ames, M. D., beginning January 30, 1920.

#### PUBLICATIONS OF THE MEDICAL AND SURGICAL STAFF.

Following is a list of the scientific papers published, or read before a medical meeting, by members of the Hospital Staff during the past year:

“The Serum Treatment of Pneumonia.” By Dr. George B. Shattuck and Dr. Henry M. Thomas, Jr.—*Principles of Medical Treatment*.

“Neurologic Sequelæ in Acute Respiratory Infections.” By Dr. William H. Robey, Jr.—*Journal of the American Medical Association*, August 9, 1919.

“Toxic Necrosis and Regeneration of the Acinar Cells of the Pancreas.” By Dr. Frederic Parker, Jr.—*Journal of Medical Research*.

“The Heart.” By Dr. Thomas J. O’Brien.—Read before Charlestown Medical Association.

“Modern Diagnostic Methods of Testing Heart’s Capacity for Work.” By Dr. Thomas J. O’Brien. Read before Massachusetts Homœopathic Medical Society.

“Acute Changes Occurring in the Cells of the Solar Plexus

in Intestinal Conditions." By Dr. Abraham Myerson.—*Boston Medical and Surgical Journal*, February 20, 1919.

"Report of a Case of Subcutaneous Rupture of the Spleen." By Dr. Irving J. Walker.—*Boston Medical and Surgical Journal*, February 20, 1919.

"The Progress in Genito-Urinary Surgery During the Past Two Years." By Dr. Paul Thorndike and Dr. Herbert H. Howard.—*Boston Medical and Surgical Journal*.

"Types of Tubo-Ovarian Suppuration and Their Treatment." By Dr. Robert M. Green.—*Boston Medical and Surgical Journal*, February 13, 1919.

"Torsion Spermatic Cord." By Dr. Howard M. Clute.—*Boston Medical and Surgical Journal*, August, 1919.

"Report of Three Cases of Combined Tumors of the Kidney in Adults" (with two plates). By Dr. Frank B. Berry.—*Journal of Medical Research*.

"Accidental Perforation of the Uterus during Curettage with Laceration of the Small Intestine." Report of case. By Dr. John T. Williams.—*Journal of the American Medical Association*, November 1, 1919.

"Glioma of Buttock." By Dr. A. R. Kimpton.—*Annals of Surgery*, November, 1919.

"Sarcoma of Stomach." By Dr. A. R. Kimpton.—*Boston Medical and Surgical Journal*, December 25, 1919.

"Cysticercus Racemosus (Taenia Solium) Infecting Spinal Cord," with report of case. By Dr. A. R. Kimpton. *Surgery, Gynecology and Obstetrics*.

"Treatment of Infected Bone Wounds." By Dr. Frederic J. Cotton.—*Boston Medical and Surgical Journal*, September 11, 1919.

"Flat Foot and Other Static Foot Troubles." By Dr. Frederic J. Cotton.—*Boston Medical and Surgical Journal*, January 1, 1920.

"Lengthening of Stump." By Dr. Frederic J. Cotton. *Military Surgeon*, May, 1919.

"Reconstruction Hospitals, Medical and Civil." By Dr. Frederic J. Cotton.—*Boston Medical and Surgical Journal*, September 25, 1919.

"Physical Reconstruction in Military and Civil Hospitals." By Dr. Frank B. Granger.

"The Treatment of Surgical Shock in the Zone of the Advance." By Dr. William R. Ohler.—*American Medical Journal*.



"An Extension Fracture Frame." By Dr. Albert S. Hyman, Interne.—*Boston Medical and Surgical Journal*, February 13, 1919.

"A New Sign of Nerve Regeneration." By Dr. Isador H. Coriat.—*Boston Medical and Surgical Journal*, August 7, 1919.

"Epidemic Work at the Boston City Hospital." By Miss Gertrude L. Farmer and Miss Janet Schoenfeldt.—*Boston Medical and Surgical Journal*, May 22, 1919.

"A Year's Study of the Maternity Ward at the Boston City Hospital." By Mrs. Bess Lynde Russell.—*Boston Medical and Surgical Journal*, May 1, 1919.

"The Relation of the Hospital Trustee and His Relation to the Staff." By Dr. Edward H. Nichols.—*Boston Medical and Surgical Journal*, September 11, 1919.

"Training School for Hospital Apprentices at the Boston City Hospital." By Dr. John A. Foley, Executive Assistant.

#### HOUSE OFFICERS.

The Herbert L. Burrell Ether Prize, given for administering anæsthetics in the most skillful and humane manner, was awarded to George Henry Hooper, M. D., House Officer on the First Surgical Service.

#### CHANGES IN RULES.

The rules were changed to conform to the merging of the Gynæcological Department into the Surgical Department, with five surgical services.

The Physician for X-Ray Service was made a member of the Senior Staff.

The number of Second Assistant Visiting Physicians was increased to fourteen.

The rules were changed by the establishment of a Diabetic Clinic, a Blood Laboratory and a Carrel-Dakin Department.

The rule for staff nominations was changed so that two instead of three names are presented to the trustees for consideration.

The titles of the Dental Department were changed to "An Oral Surgeon-in-Chief," two "Oral Surgeons" and two "Dentists."

The right to vote on nominations for new members of the staff was extended to include the following grades in the division in which the appointment is to be made:

*Medical.*— Second Assistant Visiting Physicians.

*Surgical.*— Out-Patient Surgeons.

*Dental.*— Dentists.

*Ophthalmological.*— Assistants to Ophthalmic Surgeons.

*Oto-laryngological.*— Assistant Surgeons.

*Neurological.*— First and Second Assistant Visiting Physicians for Diseases of the Nervous System.

*Dermatological.*— Assistants to the Physician for Diseases of the Skin.

#### GIFTS AND BEQUESTS.

Grateful acknowledgment is made of the following gifts and bequests:

In May the trustees of the George L. Thorndike Fund turned over to the City Treasurer the legacy of \$200,000 left the hospital by the late George L. Thorndike.

In October the City Council accepted the bequest of our late president, Mr. A. Shuman, of \$100,000 given for the purpose of erecting a building to be known as the "A. Shuman Building for Convalescent Men."

A gift of \$100 was received from Mrs. Frank Cabot Paine. This was added to the Fund for Special Nurses.

A bequest of \$100 was received from the estate of Hugh J. Colgan. This was also added to the Fund for Special Nurses.

Mr. Thomas A. Forsyth donated \$25 for basketry materials for the use of convalescent patients.

Another gift of \$25 was received from Mrs. Matilda K. Ziegel for the same purpose.

These two \$25 gifts were expended under the supervision of the Superintendent of Nurses.

Mr. James H. Duffy presented Ward W with a small library of popular fiction to show his appreciation of the care he had as a patient.

A large donation of gauze was gratefully received from the American Red Cross.

The trustees desire to express their sincere appreciation of the continued interest and generous aid rendered to the hospital by his Honor the Mayor and the City Council; of the unselfish devotion of the Medical and Surgical Staffs and their skillful care and treatment of the sick and afflicted, and of the faithful and efficient work of the Superintendent and his assistants, which has been a source of great strength and benefit to the trustees.

Respectfully submitted,

JOSEPH P. MANNING, *President.*

THOMAS A. FORSYTH, *Secretary.*

HENRY S. ROWEN, M. D.

GEORGE G. SEARS, M. D.

CARL DREYFUS.

## REPORT OF THE SUPERINTENDENT AND MEDICAL DIRECTOR.

BOSTON CITY HOSPITAL, February 2, 1920.

*To the Trustees:*

GENTLEMEN,— I have the honor to present herewith the annual report of the Hospital Department for the year ending January 31, 1920.

On June 1, 1864, the Boston City Hospital was opened for the admission of patients. Since that time the number of house patients treated in the different departments has been 493,906 and the number of out-patients 1,894,769. The table on page 49 shows the number of patients who have been treated in the hospital proper and the South Department during the last ten years. The principal statistics for the year are shown on pages 51 and 52. The other tables are self-explanatory.

Patients admitted to the hospital according to services:

|   |        |
|---|--------|
| Medical services . . . . .                      | 3,431  |
| Special pneumonia service . . . . .             | 839    |
| Surgical services . . . . .                     | 6,566  |
| Gynæcological and obstetrical service . . . . . | 1,269  |
| Ophthalmic service . . . . .                    | 122    |
| Aural and laryngological service . . . . .      | 2,253  |
| Neurological service . . . . .                  | 889    |
| Dermatological service . . . . .                | 110    |
| Total . . . . .                                 | 15,479 |

Number of visits of patients to the hospital for advice and treatment in the Out-Patient Departments:

|                                  |        |
|----------------------------------|--------|
| Medical diseases . . . . .       | 11,301 |
| Surgical diseases . . . . .      | 67,158 |
| Diseases of the eye . . . . .    | 7,023  |
| <i>Carried forward</i> . . . . . | 85,482 |

|   |                |
|---|----------------|
| <i>Brought forward</i> . . . . .  | 85,482         |
| Diseases of the ear-and throat . . . . .  | 10,477         |
| Diseases of the skin . . . . .  | 9,092          |
| Diseases of women and obstetrical service . . . . .   | 3,171          |
| Diseases of the nervous system . . . . .  | 1,417          |
| X-ray diagnosis and treatment . . . . .   | 8,816          |
| Physical therapeutic treatment . . . . .  | 4,546          |
| Vaccine and serum inoculation:  |                |
| Visits of out-patients . . . . .  | 2,584          |
| Visits of nurses and house officers for<br>protective inoculation against pneu-<br>monia, typhoid and paratyphoid . . . . . | 503            |
|   | —              |
|   | 3,087          |
| Diabetic treatment . . . . .  | 112            |
| Dental service . . . . .  | 183            |
| Surgical Out-Patients treated in accident room,<br>not elsewhere included . . . . .   | 1,608          |
|   | —              |
| Total . . . . .   | 127,991        |
| Less visits counted more than once:   |                |
| In X-Ray Department . . . . .   | 8,816          |
| In Department of Physical Therapeutics, . . . . .   | 4,246          |
| In Vaccine and Serum Therapy Depart-<br>ment . . . . .  | 2,584          |
| In Dental Department . . . . .  | 183            |
| In Diabetic Laboratory . . . . .  | 6              |
|   | —              |
|   | 15,835         |
|   | —              |
| Total visits . . . . .  | <u>112,156</u> |



TABLE OF ADMISSIONS AND DEATHS FROM FEBRUARY 1, 1910, TO JANUARY 31, 1920.  
*Hospital Proper and South Department.*

|  | Patients Admitted. | Patients Accidentally Injured Admitted. | Number of Out-Patients Treated. | Number of Patients in Hospital at Beginning of Year. | Number of Ward Patients Treated. | Died. | Rate of Mortality. |
|--|--------------------|---|---------------------------------|--|----------------------------------|-------|--------------------|
| February 1, 1910, to January 31, 1911..... | 13,074             | 1,075                                   | 40,032                          | 785  | 13,859                           | 1,483 | .107               |
| February 1, 1911, to January 31, 1912..... | 13,033             | 1,232                                   | 38,129                          | 744  | 13,777                           | 1,611 | .117               |
| February 1, 1912, to January 31, 1913..... | 14,236             | 1,420                                   | 42,309                          | 779  | 15,015                           | 1,609 | .107               |
| February 1, 1913, to January 31, 1914..... | 15,237             | 1,862                                   | 47,385                          | 933  | 16,170                           | 1,696 | .105               |
| February 1, 1914, to January 31, 1915..... | 16,498             | 1,410                                   | 43,891                          | 893  | 17,391                           | 1,671 | .096               |
| February 1, 1915, to January 31, 1916..... | 18,456             | 1,508                                   | 39,351                          | 949  | 19,405                           | 1,760 | .091               |
| February 1, 1916, to January 31, 1917..... | 19,800             | 1,328                                   | 35,867                          | 935  | 20,735                           | 1,885 | .091               |
| February 1, 1917, to January 31, 1918..... | 20,753             | 2,262                                   | 34,297                          | 859  | 21,612                           | 1,948 | .090               |
| February 1, 1918, to January 31, 1919..... | 19,982             | 1,799                                   | 29,488                          | 929  | 20,911                           | 2,434 | .116               |
| February 1, 1919, to January 31, 1920..... | 17,593             | 1,577                                   | 31,103                          | 861  | 18,454                           | 1,382 | .075               |

The total number of patients admitted to the wards since the opening of the hospital and South Department has been 461,634 and the number of out-patients has been 1,173,388.



## HOSPITAL PROPER.

APPLICANTS EXAMINED FOR ADMISSION DURING THE  
YEAR.

| YEAR. | Month.         | Number Examined. | Number Admitted. | Number not Admitted. |
|-------|----------------|------------------|------------------|----------------------|
| 1919. | February.....  | 1,375            | 1,356            | 19                   |
|       | March.....     | 1,494            | 1,444            | 50                   |
|       | April.....     | 1,403            | 1,345            | 58                   |
|       | May.....       | 1,446            | 1,406            | 40                   |
|       | June.....      | 1,266            | 1,242            | 24                   |
|       | July.....      | 1,300            | 1,248            | 52                   |
|       | August.....    | 1,279            | 1,237            | 42                   |
|       | September..... | 1,300            | 1,241            | 59                   |
|       | October.....   | 1,433            | 1,381            | 52                   |
|       | November.....  | 1,102            | 1,063            | 39                   |
|       | December.....  | 1,209            | 1,175            | 34                   |
|       | 1920.          | January.....     | 1,402            | 1,341                |
|       | Totals.....    | 16,009           | 15,479           | 530                  |

## HOSPITAL PROPER.

## PRINCIPAL STATISTICS, 1919-20.

*Number of Patients.*

|   |        |         |
|---|--------|---------|
| Number of patients remaining in the hospital proper<br>January 31, 1919 . . . . . |        | 622     |
| Admitted from February 1, 1919, to January 31, 1920, inclusive:                   |        |         |
| Medical . . . . .   | 3,431  |         |
| Special — pneumonia . . . . .   | 839    |         |
| Surgical . . . . .  | 6,566  |         |
| Gynæcological and obstetrical . . . . .   | 1,269  |         |
| Ophthalmic . . . . .  | 122    |         |
| Aural and laryngological . . . . .  | 2,253  |         |
| Neurological . . . . .  | 889    |         |
| Dermatological . . . . .  | 110    |         |
|   | <hr/>  | 15,479  |
| Treated during the year . . . . .   |        | 16,101  |
| Discharged during the year . . . . .  | 14,205 |         |
| Died during the year . . . . .  | 1,254  |         |
|   | <hr/>  | 15,459  |
| <hr/>   |        |         |
| Number of patients remaining in the hospital proper<br>January 31, 1920 . . . . . |        | 642     |
| Number of births during the year . . . . .  |        | 327     |
| Number of deaths within forty-eight hours of admission<br>. . . . .               |        | 514     |
| Largest number of patients in the hospital on any<br>one day . . . . .            |        | 667     |
| Smallest number of patients in the hospital on any<br>one day . . . . .           |        | 413     |
| Daily average number of patients . . . . .  |        | 543     |
| Average number of days' stay of patients . . . . .                                |        | 12.3    |
| Number of weeks' treatment given in hospital . . . . .                            |        | 28,314  |
| Number of days' treatment given in hospital . . . . .                             |        | 198,200 |
| Number of applicants for admission to hospital . . . . .                          |        | 16,009  |

|   |         |
|---|---------|
| Number of applicants rejected . . . . .                                     | 530     |
| Number of visits made by out-patients . . . . .                             | 112,156 |
| Patients carried in ambulances . . . . .                                    | 5,194   |
| Number of patients accidentally injured, admitted<br>to the wards . . . . . | 1,577   |
| Number of out-patients treated in the Accident<br>Room . . . . .            | 1,608   |

Number of out-patients treated in the Out-Patient Department, classified according to diseases.

|  |                    |
|--|--------------------|
| For medical diseases . . . . .   | 6,899              |
| For surgical diseases . . . . .  | 12,067             |
| For diseases of the eye . . . . .  | 2,128              |
| For diseases of the ear and throat . . . . .   | 3,977              |
| For diseases of the skin . . . . .   | 2,100              |
| For diseases of women and obstetrical service . . . . .  | 1,380              |
| For diseases of the nervous system . . . . .   | 705                |
| For physical therapeutics (estimated) . . . . .  | 4,000              |
| For X-ray diagnosis and treatment . . . . .  | 8,416              |
| For vaccine and serum inoculation:   |                    |
| Out-patients treated . . . . .   | 386                |
| Nurses receiving protective typhoid,<br>paratyphoid and pneumococcus in-<br>oculations . . . . . | 175                |
|  | <hr/> 561          |
| Diabetic cases . . . . .   | 16                 |
| Dental cases . . . . .   | 137                |
| Surgical out-patients treated in Accident Room,<br>not elsewhere included . . . . .              | 1,608              |
|  | <hr/> 43,994       |
| Total . . . . .  |                    |
| Less patients counted more than once:  |                    |
| In X-Ray Department . . . . .  | 8,416              |
| In Vaccine and Serum Therapy Depart-<br>ment . . . . .   | 386                |
| In Physical Therapeutics Department<br>(estimated) . . . . .                                     | 3,950              |
| In Diabetic Clinic . . . . .   | 2                  |
| In Dental Service . . . . .  | 137                |
|  | <hr/> 12,891       |
| Total number of out-patients treated . . . . .   | <hr/> <hr/> 31,103 |

## PRESENT CAPACITY OF THE HOSPITAL DEPARTMENT.

The schedule of beds is as follows:

|   |       |
|---|-------|
| Hospital proper . . . . .                 | 794   |
| South Department . . . . .                | 340   |
| Haymarket Square Relief Station . . . . . | 24    |
| East Boston Relief Station . . . . .      | 10    |
| Convalescent Home . . . . .               | 34    |
|   | 1,202 |

The distribution of beds in the Main Department is as follows:

| SERVICES.                               | WARD.  |          |           |              |         | PRIVATE. |          |              |         | Grand Totals. |
|---|--------|----------|-----------|--------------|---------|----------|----------|--------------|---------|---------------|
|   | Males. | Females. | Children. | Promiscuous. | Totals. | Males.   | Females. | Promiscuous. | Totals. |               |
| Surgical:                               |        |          |           |              |         |          |          |              |         |               |
| Gynæcological and Obstet-<br>rical..... |        | 51       |           |              | 51      |          | 4        |              | 4       | 55            |
| Other Surgical.....                     | 161    | 64       | 39        |              | 264     | 2        | 6        |              | 8       | 272           |
| Medical.....                            | 204    | 141      | 39        |              | 384     |          |          |              |         | 384           |
| Aural and Laryngological.....           | 4      | 4        |           |              | 8       |          |          |              |         | 8             |
| Ophthalmic.....                         |        |          |           | 8            | 8       |          |          |              |         | 8             |
| Neurological.....                       | 2      | 6        |           |              | 8       |          |          |              |         | 8             |
| All Services.....                       | 18     |          |           | 30           | 48      |          |          | 11           | 11      | 59            |
| Totals.....                             | 389    | 266      | 78        | 38           | 771     | 2        | 10       | 11           | 23      | 794           |

STATISTICS OF PATIENTS ACCORDING TO SERVICES.  
February 1, 1919, to January 31, 1920, Inclusive.

| SERVICES.                          | In Hospital<br>February 1, 1919. | Admitted. | Discharged. | Died. | Total Discharged<br>and Died. | In Hospital<br>February 1, 1920. |
|------------------------------------|----------------------------------|-----------|-------------|-------|-------------------------------|----------------------------------|
| First Surgical.....                | 84                               | 1,451     | 1,385       | 102   | 1,487                         | 48                               |
| Second Surgical.....               | 83                               | 1,424     | 1,372       | 82    | 1,454                         | 53                               |
| Third Surgical.....                | 79                               | 1,737     | 1,654       | 111   | 1,765                         | 51                               |
| Fourth Surgical.....               |                                  | 1,120     | 1,001       | 71    | 1,072                         | 48                               |
| Fifth Surgical.....                |                                  | 834       | 713         | 46    | 759                           | 75                               |
| First Medical.....                 | 63                               | 777       | 662         | 118   | 780                           | 60                               |
| Second Medical.....                | 69                               | 857       | 760         | 108   | 868                           | 58                               |
| Third Medical.....                 | 53                               | 917       | 790         | 127   | 917                           | 53                               |
| Fourth Medical.....                | 61                               | 880       | 773         | 122   | 895                           | 46                               |
| Special — Pneumonia.....           |                                  | 839       | 567         | 180   | 747                           | 92                               |
| Gynæcological and Obstetrical..... | 63                               | 1,269     | 1,281       | 51    | 1,332                         | .....                            |
| Ophthalmic.....                    | 7                                | 122       | 122         | 1     | 123                           | 6                                |
| Aural and Laryngological.....      | 19                               | 2,253     | 2,247       | 9     | 2,256                         | 16                               |
| Neurological.....                  | 35                               | 889       | 779         | 118   | 897                           | 27                               |
| Dermatological.....                | 6                                | 110       | 99          | 8     | 107                           | 9                                |
| Totals.....                        | 622                              | 15,479    | 14,205      | 1,254 | 15,459                        | 642                              |

## RECEIPTS AND EXPENDITURES.

*Receipts.*

|   |              |                       |
|---|--------------|-----------------------|
| City appropriations . . . . .               | \$977,063 00 |                       |
|   | 20,000 00    |                       |
|   | 5,474 77     |                       |
|   | <hr/>        | \$1,002,537 77        |
| Interest on trust funds . . . . .           |              | 2,174 00              |
|   |              | <hr/>                 |
|   |              | \$1,004,711 77        |
| Deduct:                                     |              |                       |
| Balance returned to city treasury . . . . . |              | 491 93                |
|   |              | <hr/>                 |
|   |              | <u>\$1,004,219 84</u> |

*Expenditures.*

|                                       |                       |
|---------------------------------------|-----------------------|
| All departments of hospital . . . . . | <u>\$1,004,219 84</u> |
|---------------------------------------|-----------------------|



APPLICANTS NOT ADMITTED DURING THE YEAR.  
*February 1, 1919, to January 31, 1920, Inclusive.*

|   | At First Rejected. | Admitted Later. | Finally Rejected. |
|---|--------------------|-----------------|-------------------|
| <i>Cause of Rejection.</i>                                    |                    |                 |                   |
| Self-rejected or deferred.....                                | 430                |                 | 242               |
| Self-rejected or deferred but admitted within three days..... |                    | 118             |                   |
| Self-rejected or deferred but admitted later.....             |                    | 70              |                   |
| State settlement.....   | 280                |                 | 182               |
| State settlement but admitted within three days.....          |                    | 60              |                   |
| State settlement but admitted later.....                      |                    | 38              |                   |
| For want of accommodation.....                                | 190                |                 | 34                |
| For want of accommodation but admitted within three days..... |                    | 70              |                   |
| For want of accommodation but admitted later.....             |                    | 86              |                   |
| Nonresident.....  | 90                 |                 | 41                |
| Nonresident but admitted within three days.....               |                    | 36              |                   |
| Nonresident but admitted later.....                           |                    | 13              |                   |
| For lack of sufficient information.....                       | 16                 |                 | 16                |
| Referred to other public institutions.....                    | 15                 |                 | 15                |
| Totals.....   | 1,021              | 491             | 530               |

RECORD OF AMBULANCE WORK.

*February 1, 1919, to January 31, 1920, Inclusive.*  
*Transportation to the Hospital.*

|                                  |              |
|----------------------------------|--------------|
| <i>Trips to:</i>                 |              |
| Business center . . . . .        | 452          |
| North End . . . . .              | 176          |
| West End . . . . .               | 540          |
| Back Bay . . . . .               | 223          |
| South End . . . . .              | 158          |
| Roxbury . . . . .                | 757          |
| West Roxbury . . . . .           | 35           |
| Dorchester . . . . .             | 527          |
| South Boston . . . . .           | 360          |
| East Boston . . . . .            | 367          |
| Charlestown . . . . .            | 374          |
| Jamaica Plain . . . . .          | 142          |
| <i>Carried forward . . . . .</i> | <i>4,111</i> |

|                        |       |
|------------------------|-------|
| <i>Brought forward</i> | 4,111 |
| Brighton               | 159   |
| Roslindale             | 64    |
| Hyde Park              | 64    |
| South Department       | 18    |

|                |       |
|----------------|-------|
| Total trips in | 4,416 |
| Did not come   | 63    |

|                  |              |
|------------------|--------------|
| Patients brought | <u>4,353</u> |
|------------------|--------------|

*Transportation from the Hospital.*

|                   |     |
|-------------------|-----|
| Convalescent Home | 288 |
| Patients' homes   | 163 |
| Other hospitals   | 287 |

|               |     |
|---------------|-----|
| Trips out     | 738 |
| Carried extra | 103 |

|                  |            |
|------------------|------------|
| Patients carried | <u>841</u> |
|------------------|------------|

*Summaries.*

|                            |              |
|----------------------------|--------------|
| Total number of trips      | 5,154        |
| Total patients transferred | <u>5,194</u> |

*Record of Limousine Trips for Physicians and Surgeons,  
In bringing:*

|                               |            |
|-------------------------------|------------|
| The physician and the surgeon | <u>335</u> |
|-------------------------------|------------|

|  |               |
|--|---------------|
| Number of miles the ambulances have run, as shown<br>by odometer count, in all departments | <u>31,613</u> |
|--|---------------|

## CENSUS OF DAYS' BOARD OF ALL PERSONS.

*February 1, 1919, to January 31, 1920, Inclusive.*

|                                      | Patients. | Officers and<br>Employees. | Total Days'<br>Board. |
|--------------------------------------|-----------|----------------------------|-----------------------|
| Hospital proper.....                 | 198,200   | 178,610                    | 376,810               |
| South Department.....                | 70,869    | 52,858                     | 123,727               |
| Haymarket Square Relief Station..... | 1,772     | 12,032                     | 13,804                |
| East Boston Relief Station.....      | 1,317     | 5,465                      | 6,782                 |
| Convalescent Home.....               | 6,466     | 2,909                      | 9,375                 |
| Totals.....                          | 278,624   | 251,874                    | 530,498               |

## DAILY AVERAGE OF PERSONS.

|                                      | Patients. | Officers and<br>Employees. | All Persons. |
|--------------------------------------|-----------|----------------------------|--------------|
| Hospital proper.....                 | 543.0     | 489.3                      | 1,032.3      |
| South Department.....                | 194.2     | 144.8                      | 339.0        |
| Haymarket Square Relief Station..... | 4.8       | 33.0                       | 37.8         |
| East Boston Relief Station.....      | 3.6       | 15.0                       | 18.6         |
| Convalescent Home.....               | 17.7      | 8.0                        | 25.7         |
| Totals.....                          | 763.3     | 690.1                      | 1,453.4      |

|   | Hospital Proper. | South<br>Department. | Haymarket Square<br>Relief Station. | East Boston<br>Relief Station. | Convalescent<br>Home. | All Departments. |
|---|------------------|----------------------|-------------------------------------|--------------------------------|-----------------------|------------------|
| Maximum number of days' board of<br>patients..... | 667              | 282                  | 16                                  | 11                             | 32                    | .....            |
| Minimum number of days' board of<br>patients..... | 413              | 85                   | 0                                   | 0                              | 8                     | .....            |
| Maximum number of days' board of<br>persons.....  | 1,177            | 425                  | 50                                  | 26                             | 40                    | 1,690            |
| Minimum number of days' board of<br>persons.....  | 848              | 207                  | 30                                  | 15                             | 16                    | 1,141            |

## HOSPITAL PROPER.

## NATIVITY OF PATIENTS ADMITTED DURING THE YEAR.

|  |        |                           |                      |
|--|--------|---------------------------|----------------------|
| Boston.....                                    | 6,015  | <i>Brought forward...</i> | 14,147               |
| Other cities and towns<br>in Massachusetts.... | 1,493  | Switzerland.....          | 7                    |
| Maine.....                                     | 356    | Bohemia.....              | 7                    |
| New Hampshire.....                             | 167    | Azores.....               | 6                    |
| Vermont.....                                   | 99     | Barbadoes.....            | 6                    |
| Rhode Island.....                              | 117    | Hungary.....              | 6                    |
| Connecticut.....                               | 81     | Cape Verde Islands....    | 6                    |
| Other states.....                              | 863    | Bermuda.....              | 5                    |
| Ireland.....                                   | 1,559  | Albania.....              | 5                    |
| British Provinces.....                         | 991    | Porto Rico.....           | 3                    |
| Russia.....                                    | 731    | India.....                | 3                    |
| Italy.....                                     | 520    | Africa.....               | 3                    |
| England.....                                   | 284    | South America.....        | 3                    |
| Scotland.....                                  | 115    | Asia.....                 | 2                    |
| Sweden.....                                    | 114    | Australia.....            | 2                    |
| Poland.....                                    | 101    | Mexico.....               | 2                    |
| Germany.....                                   | 86     | Japan.....                | 2                    |
| Greece.....                                    | 71     | Wales.....                | 2                    |
| Austria.....                                   | 55     | Asia Minor.....           | 1                    |
| British West Indies....                        | 41     | Prussia.....              | 1                    |
| France.....                                    | 33     | Lunenburg.....            | 1                    |
| Norway.....                                    | 32     | Gibraltar.....            | 1                    |
| Portugal.....                                  | 30     | Servia.....               | 1                    |
| Armenia.....                                   | 26     | Labrador.....             | 1                    |
| Syria.....                                     | 24     | Island of Martinique..    | 1                    |
| Denmark.....                                   | 21     | Lisbon.....               | 1                    |
| Holland.....                                   | 20     | Arabia.....               | 1                    |
| Turkey.....                                    | 16     | Jerusalem.....            | 1                    |
| Philippine Islands.....                        | 14     | Dutch West Indies....     | 1                    |
| Finland.....                                   | 13     | Bahama Islands.....       | 1                    |
| China.....                                     | 12     | Europe.....               | 1                    |
| Belgium.....                                   | 12     | British Guiana.....       | 1                    |
| Jamaica.....                                   | 10     | French West Indies....    | 1                    |
| Lithuania.....                                 | 10     | America.....              | 1                    |
| Spain.....                                     | 8      | Netherlands.....          | 1                    |
| Roumania.....                                  | 7      | Unknown.....              | 1,245                |
| <i>Carried forward...</i>                      | 14,147 | <b>Total.....</b>         | <b><u>15,479</u></b> |

CONDITION OF PATIENTS DISCHARGED DURING  
THE YEAR.

|                           |        |                           |        |
|---------------------------|--------|---------------------------|--------|
| Well.....                 | 1,974  | <i>Brought forward...</i> | 14,199 |
| Relieved.....             | 10,596 | Not treated.....          | 6      |
| Not relieved.....         | 1,629  | Died.....                 | 1,254  |
|                           | 14,199 | Total.....                | 15,459 |
| <i>Carried forward...</i> | 14,199 |                           |        |

SOUTH DEPARTMENT.

NATIVITY OF PATIENTS ADMITTED TO THE SOUTH  
DEPARTMENT DURING THE YEAR.

|  |       |                           |       |
|--|-------|---------------------------|-------|
| Boston.....                                    | 1,308 | <i>Brought forward...</i> | 1,916 |
| Other cities and towns<br>in Massachusetts.... | 276   | Norway.....               | 3     |
| Maine.....                                     | 39    | France.....               | 2     |
| New Hampshire.....                             | 21    | Holland.....              | 2     |
| Vermont.....                                   | 6     | Finland.....              | 2     |
| Rhode Island.....                              | 17    | Syria.....                | 2     |
| Connecticut.....                               | 8     | Africa.....               | 2     |
| Other states.....                              | 97    | West Indies.....          | 1     |
| British Provinces.....                         | 73    | Poland.....               | 1     |
| Ireland.....                                   | 27    | Armenia.....              | 1     |
| Russia.....                                    | 15    | Austria.....              | 1     |
| Italy.....                                     | 10    | Germany.....              | 1     |
| England.....                                   | 12    | Greenland.....            | 1     |
| Sweden.....                                    | 4     | Portugal.....             | 1     |
| Scotland.....                                  | 3     | Unknown.....              | 178   |
|  | 1,916 | Total.....                | 2,114 |
| <i>Carried forward...</i>                      | 1,916 |                           |       |

CONDITION OF PATIENTS DISCHARGED FROM THE SOUTH  
DEPARTMENT DURING THE YEAR.

|                           |       |                           |       |
|---------------------------|-------|---------------------------|-------|
| Well.....                 | 1,875 | <i>Brought forward...</i> | 1,961 |
| Relieved.....             | 72    | Eloped.....               | 4     |
| Not relieved.....         | 14    | Died.....                 | 128   |
|                           | 1,961 | Total.....                | 2,093 |
| <i>Carried forward...</i> | 1,961 |                           |       |



## SOUTH DEPARTMENT.

PRINCIPAL STATISTICS FOR THE YEAR FEBRUARY 1,  
1919, TO JANUARY 31, 1920.

|   |                 |
|---|-----------------|
| Number of patients remaining in the South Department January 31, 1919 . . . . .                   | 239             |
| Admitted from February 1, 1919, to January 31, 1920,  | 2,114           |
|   | <hr/>           |
| Treated during the year . . . . .   | 2,353           |
| Discharged during the year . . . . . 1,965  |                 |
| Died during the year . . . . . 128  |                 |
|   | <hr/>           |
|   | 2,093           |
| Number of patients remaining January 31, 1920 . . . . .   | 260             |
| Maximum number of patients at any one time . . . . .  | 282             |
| Minimum number of patients at any one time . . . . .  | 85              |
| Daily average number of patients . . . . .  | 194.2           |
| Average number days' stay of patients . . . . .   | 30.1            |
| Number of days' treatment given patients . . . . .  | 70,869          |
| Number of weeks' treatment given patients . . . . .   | 10,124          |
| Number of patients admitted over fifteen years of age,  | 326             |
| Average age of patients . . . . .   | 9 $\frac{1}{5}$ |
| Number of patients dying within forty-eight hours of admission . . . . .                          | 40              |
| Percentage of deaths to discharges . . . . .  | 6.13            |
| The death rate from all diseases . . . . .  | 5.44            |
| The death rate from all diseases deducting deaths within twenty-four hours of admission . . . . . | 4.38            |
| Number of applicants examined for admission . . . . .   | 2,359           |
| Number of applicants rejected . . . . .   | 245             |
| Number of patients carried in ambulances . . . . .  | 1,721           |

If a comparison is made between the South Department and the hospital proper as to the number of days' board given patients, it will be found that at the former it is 70,869, while at the latter it is 198,200.

## SOUTH DEPARTMENT.

## APPLICANTS EXAMINED FOR ADMISSION DURING THE YEAR.

| YEAR. | Month.         | Number Examined. | Number Admitted. | Number not Admitted. |
|-------|----------------|------------------|------------------|----------------------|
| 1919. | February.....  | 209              | 186              | 23                   |
|       | March.....     | 202              | 186              | 16                   |
|       | April.....     | 157              | 142              | 15                   |
|       | May.....       | 212              | 200              | 12                   |
|       | June.....      | 184              | 160              | 24                   |
|       | July.....      | 141              | 126              | 15                   |
|       | August.....    | 114              | 102              | 12                   |
|       | September..... | 176              | 159              | 17                   |
|       | October.....   | 200              | 170              | 30                   |
|       | November.....  | 248              | 228              | 20                   |
|       | December.....  | 244              | 216              | 28                   |
|       | 1920.          | January.....     | 272              | 239                  |
|       | Totals.....    | 2,359            | 2,114            | 245                  |

## APPLICANTS NOT ADMITTED DURING THE YEAR.

*February 1, 1919, to January 31, 1920, Inclusive.*

| CAUSE OF REJECTION.        | 1919.<br>February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | 1920.<br>January. | Totals. |
|----------------------------|--------------------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------------------|---------|
| Self-rejected.....         | 8                  | 1      | 1      | 4    | 4     | 7     | 5       | 5          | 2        | 1         | 8         | 8                 | 54      |
| No infectious disease..... | 15                 | 15     | 14     | 7    | 13    | 8     | 7       | 12         | 27       | 18        | 15        | 13                | 164     |
| Want of accommodation..... |                    |        |        |      | † 1   |       |         |            | * 1      |           |           | † 1               | 3       |
| Parotitis †.....           |                    |        |        |      |       |       |         |            |          |           | 2         |                   | 2       |
| Rubella †.....             |                    |        |        |      | 1     |       |         |            |          |           |           |                   | 1       |
| Varicella †.....           |                    |        |        |      | 5     |       |         |            |          | 1         |           | 2                 | 8       |
| Scarlet fever‡.....        |                    |        |        |      |       |       |         |            |          |           | 1         | 9                 | 10      |
| Died before admission..... |                    |        |        | 1    |       |       |         |            |          |           | 2         |                   | 3       |
| Totals.....                | 23                 | 16     | 15     | 12   | 24    | 15    | 12      | 17         | 30       | 20        | 28        | 33                | 245     |

\* Case of pertussis: no isolation room.

† Cases of diphtheria: no isolation room.

‡ No wards for these diseases.

§ No room: all scarlet fever wards filled to capacity.

RECORD OF AMBULANCE WORK IN BRINGING PATIENTS  
TO SOUTH DEPARTMENT DURING THE YEAR.

|                                  |              |
|----------------------------------|--------------|
| <i>Trips to:</i>                 |              |
| Business center . . . . .        | 5            |
| North End . . . . .              | 52           |
| West End . . . . .               | 57           |
| Back Bay . . . . .               | 27           |
| South End . . . . .              | 245          |
| Roxbury . . . . .                | 551          |
| West Roxbury . . . . .           | 7            |
| Dorchester . . . . .             | 213          |
| South Boston . . . . .           | 145          |
| East Boston . . . . .            | 122          |
| Charlestown . . . . .            | 137          |
| Jamaica Plain . . . . .          | 50           |
| Brighton . . . . .               | 41           |
| Roslindale . . . . .             | 21           |
| Hyde Park . . . . .              | 15           |
| Suburban towns . . . . .         | 2            |
|                                  | <hr/>        |
| Total number of trips . . . . .  | 1,690        |
| Carried extra . . . . .          | 96           |
| Patients rejected . . . . .      | 65           |
|                                  | <hr/>        |
| Total patients carried . . . . . | <u>1,721</u> |

Table No. 1.  
EXPENDITURES, CLASSIFIED, FOR THE YEAR ENDING  
JANUARY 31, 1920.

| GROUP AND ITEM.                      | ALL DEPARTMENTS. |              |
|--------------------------------------|------------------|--------------|
|                                      | 1919-1920.       |              |
| A. PERSONAL SERVICE.....             |                  | \$446,346 63 |
| Permanent employees.....             | \$440,028 24     |              |
| Temporary employees.....             | 3,349 82         |              |
| Unassigned.....                      | 2,968 57         |              |
| B. SERVICES OTHER THAN PERSONAL..... |                  | 41,166 24    |
| Printing and binding.....            | \$299 05         |              |
| Postage.....                         | 1,009 17         |              |
| Advertising and posting.....         | 22 50            |              |
| Transportation of persons.....       | 1,380 27         |              |
| Cartage and freight.....             | 281 35           |              |
| Light and power.....                 | 5,190 79         |              |
| Premium on surety bond.....          | 140 00           |              |
| Communication.....                   | 4,567 33         |              |
| Motor vehicle repairs.....           | 3,159 20         |              |
| Motorless vehicle repairs.....       | 145 48           |              |
| Care of horses.....                  | 76 50            |              |
| Cleaning.....                        | 5 38             |              |
| Removal of snow.....                 | 47 64            |              |
| Expert and architect.....            | 1,785 84         |              |
| Fees, service of venires, etc.....   | 12 85            |              |
| Boiler inspection.....               | 40 00            |              |
| Photographic and blueprinting.....   | 14 68            |              |
| General plant repairs.....           | 22,988 21        |              |
| C. EQUIPMENT.....                    |                  | 53,929 89    |
| Machinery.....                       | \$1,470 00       |              |
| Electrical.....                      | 424 01           |              |
| Motor vehicles.....                  | 9,106 22         |              |
| Motorless vehicles.....              | 35 25            |              |
| Furniture and fittings.....          | 17,474 05        |              |
| Office.....                          | 235 11           |              |
| Carried forward.....                 | \$28,744 64      | \$541,442 76 |

EXPENDITURES, CLASSIFIED, FOR YEAR ENDING JANUARY 31, 1920.—*Cont.*

| GROUP AND ITEM.  | ALL DEPARTMENTS. |                |
|--|------------------|----------------|
|  | 1919-1920.       |                |
| <i>Brought forward</i> .....   | \$28,744 64      | \$541,442 76   |
| C. EQUIPMENT.— <i>Concluded.</i>   |                  |                |
| Medical, surgical, laboratory.....   | 13,836 26        |                |
| Tools and instruments.....   | 2,889 01         |                |
| Live stock.....  | 99 35            |                |
| Wearing apparel.....   | 6,970 78         |                |
| General plant.....   | 1,389 85         |                |
| D. SUPPLIES.....   |                  | 431,824 67     |
| Office.....  | \$11,970 46      |                |
| Food and ice.....  | 250,399 54       |                |
| Fuel.....  | 100,233 35       |                |
| Forage and animal.....   | 235 96           |                |
| Medical, surgical, laboratory.....   | 55,712 80        |                |
| Laundry, cleaning and toilet.....  | 8,013 59         |                |
| Educational and recreational.....  | 75 70            |                |
| Agricultural.....  | 269 07           |                |
| Motor vehicle.....   | 2,859 79         |                |
| Chemicals and disinfectants.....   | 402 41           |                |
| General plant.....   | 1,652 00         |                |
| E. MATERIALS.....  |                  | 24,703 84      |
| Building.....  | \$11,675 14      |                |
| Machinery.....   | 1,946 62         |                |
| Electrical.....  | 3,180 97         |                |
| General plant.....   | 7,901 11         |                |
| F. SPECIAL ITEMS.....  |                  | 2,478 73       |
| Pensions and annuities.....  | \$156 00         |                |
| Workingmen's compensation.....   | 2,322 73         |                |
| G. INCIDENTAL EXPENDITURES TO COVER CONTINGENCIES OTHER THAN PERSONAL SERVICE..... |                  | 3,769 84       |
| Special investigation (influenza).....   | \$3,769 84       |                |
| Total expenditures.....  |                  | \$1,004,219 84 |
| STOCK ON HAND FEBRUARY 1, 1919.  |                  |                |
| <i>All Departments.</i>  |                  |                |
| General supplies.....  | \$50,764 62      |                |
| Coal.....  | 3,003 00         |                |
| <i>Carried forward</i> .....   | \$53,767 62      | \$1,004,219 84 |



EXPENDITURES, CLASSIFIED, FOR THE YEAR ENDING JANUARY 31, 1920.—  
*Concluded.*

| GROUP AND ITEM.  | ALL DEPARTMENTS. |                |
|--|------------------|----------------|
|  | 1919-1920.       |                |
| <i>Brought forward</i> .....   | \$53,767 62      | \$1,004,219 84 |
| STOCK ON HAND FEBRUARY 1, 1919.— <i>Concluded.</i><br><i>All Departments.</i>                                      |                  |                |
| Medical supplies.....  | 9,513 37         |                |
| Liquors.....   | 356 01           | 63,637 00      |
|  |                  | \$1,067,856 84 |
| DEDUCT.  |                  |                |
| STOCK ON HAND FEBRUARY 1, 1920.<br><i>All Departments.</i>   |                  |                |
| General supplies.....  | \$47,603 45      |                |
| Coal.....  | 780 27           |                |
| Medical supplies.....  | 10,013 78        |                |
| Liquors.....   | 52 50            | 58,450 00      |
| Total maintenance expenses.....  |                  | \$1,009,406 84 |
| DEDUCT REVENUE.  |                  |                |
| Income from paying patients:   |                  |                |
| Collected by hospital.....   | \$153,451 69     |                |
| Collected by Board of Health for con-<br>tagious cases.....  | 18,820 79        | \$172,272 48   |
| Revenue on account of maintenance:   |                  |                |
| Interest on trust funds.....   | 2,174 00         |                |
| Sundry revenue:  |                  |                |
| Sale of bones and trimmings and old material.....  | 1,466 14         |                |
| Two refunds made to City Collector.....  | 490 15           |                |
| Bequest and gift.....  | 200 00           |                |
| Commission on automatic telephones.....  | 146 07           |                |
| Rentals.....   | 100 81           |                |
| Birth fees.....  | 84 50            |                |
| Interest on bank deposit.....  | 80 39            |                |
| Damage to ambulance.....   | 75 00            |                |
| Sale of standing grass.....  | 15 00            | 177,104 54     |
| Net cost to the city for maintaining all departments from<br>February 1, 1919, to January 31, 1920, inclusive..... |                  | \$832,302 30   |

Table No. 2.

EXPENDITURES ON FOOD, ICE AND FUEL.  
February 1, 1919, to January 31, 1920, Inclusive.

| ARTICLES.                  | Quantity.                    | Average Price.  | Cost.       | Total.              |
|----------------------------|------------------------------|-----------------|-------------|---------------------|
| <b>FOOD.</b>               |                              |                 |             |                     |
| Beef and veal.....         | 115,665 lbs.                 | \$0.254 per lb. | \$29,412 36 |                     |
| Mutton and lamb.....       | 66,185 "                     | .25 "           | 18,514 19   |                     |
| Poultry.....               | 46,521 "                     | .39 "           | 18,146 37   |                     |
| Pork and hams.....         | 49,082 "                     | .324 "          | 15,899 41   |                     |
| Fish.....                  |                              |                 | 7,991 04    |                     |
| Lard.....                  | 4,556 "                      | .269 "          | 1,228 12    |                     |
| Table milk.....            | 349,032 qts.                 | .123 per qt.    | 42,958 34   |                     |
| Powdered milk.....         | 9,450 lbs.                   | .264 per lb.    | 2,497 00    |                     |
| Malted and modified milk,  | 200 "                        | .40 "           | 80 00       |                     |
| Butter.....                | 45,422 "                     | .525 "          | 23,843 73   |                     |
| Cheese.....                | 1,895 "                      | .34 "           | 643 82      |                     |
| Eggs.....                  | 44,715 doz.                  | .53 per doz.    | 23,706 72   |                     |
| Egg powder.....            | 670 lbs.                     | .933 per lb.    | 625 00      |                     |
| Vegetables, fresh.....     |                              |                 | 13,666 87   |                     |
| Vegetables, canned.....    |                              |                 | 3,708 44    |                     |
| Fruit, fresh.....          |                              |                 | 5,267 78    |                     |
| Fruit, canned.....         |                              |                 | 7,756 47    |                     |
| Flour.....                 | 777 bbls.                    | 11.93 per bbl.  | 9,269 64    |                     |
| Oatmeal.....               | 65 "                         | 8.809 "         | 572 60      |                     |
| Cornstarch and farina..... | 1,272 lbs.                   | .072 per lb.    | 91 44       |                     |
| Rice.....                  | 9,343 "                      | .098 "          | 914 26      |                     |
| Other cereals.....         |                              |                 | 1,390 71    |                     |
| Groceries.....             |                              |                 | 3,065 42    |                     |
| Coffee.....                | 16,680 lbs.                  | .312 per lb.    | 5,212 45    |                     |
| Tea.....                   | 4,421 "                      | .313 "          | 1,382 79    |                     |
| Chocolate and cocoa.....   | 1,401 "                      | .231 "          | 323 71      |                     |
| Sugar.....                 | 80,840 "                     | .089 "          | 7,174 62    |                     |
| Molasses and syrup.....    | 332 gal.                     | .82 per gal.    | 272 23      |                     |
|                            |                              |                 |             | <u>\$245,615 53</u> |
| <b>ICE.</b>                |                              |                 |             |                     |
| Ice.....                   | 964 <del>1000</del> tons.    | 4.958 per ton.  | \$4,784 01  |                     |
|                            |                              |                 |             | <u>\$4,784 01</u>   |
| <b>FUEL.</b>               |                              |                 |             |                     |
| Steaming coal.....         | 11,272 <del>1100</del> tons. | 8.583 per ton.  | \$96,758 19 |                     |
| Anthracite coal.....       | 304 <del>300</del> "         | 11.03 "         | 3,360 16    |                     |
| Charcoal.....              |                              |                 | 115 00      |                     |
|                            |                              |                 |             | <u>\$100,233 35</u> |

Table No. 3.

COMPARISON OF THE CENSUS AND EXPENDITURES AT THE  
BOSTON CITY HOSPITAL FOR THE FISCAL YEARS ENDING  
JANUARY 31, 1917, 1918, 1919, 1920.

| POPULATION.  | 1916-17.     | 1917-18.     | 1918-19.     | 1919-20.       |
|--|--------------|--------------|--------------|----------------|
| Number of inmates beginning fiscal year.   | 975          | 892          | 971          | 893            |
| Number received during year . . . . .  | 20,987       | 22,226       | 21,890       | 19,475         |
| Number discharged during year, including deaths . . . . .                                      | 21,070       | 22,147       | 21,968       | 19,423         |
| Number at end of fiscal year . . . . .   | 892          | 971          | 893          | 945            |
| Daily average attendance (i. e., number inmates actually present) during fiscal year . . . . . | 882.4        | 881.2        | 815.8        | 763.3          |
| Average number officers and employees during fiscal year . . . . .                             | 707.4        | 701.1        | 671.8        | 690.1          |
| Total average — inmates, officers and employees . . . . .                                      | 1,589.8      | 1,582.3      | 1,487.6      | 1,453.4        |
| EXPENDITURES.  |              |              |              |                |
| Current expenditures:  |              |              |              |                |
| Salaries and wages . . . . .   | \$355,873.94 | \$361,239.18 | \$381,412.00 | \$446,346.63   |
| Clothing . . . . .   | 3,659.46     | 4,797.98     | 9,732.34     | 6,970.78       |
| Subsistence of patients and employees.   | 194,346.08   | 213,061.90   | 229,498.53   | 250,399.54     |
| Ordinary repairs and replacements . . . . .  | 19,691.37    | 15,882.07    | 23,882.12    | 27,688.12      |
| Office, domestic, outdoor expenses . . . . .   | 206,093.10   | 267,836.91   | 328,129.44   | 254,738.65     |
| Pensions, workmen's compensation, special investigation . . . . .                              | 729.80       | 553.10       | 357.26       | 5,574.07       |
| Extraordinary expenses:  |              |              |              |                |
| Permanent improvements . . . . .   | 18,160.12    | 2,244.41     | 1,363.00     | 12,502.05      |
| Grand totals . . . . .   | \$798,553.87 | \$865,615.55 | \$974,374.69 | \$1,004,219.84 |
| Deduct Out-Patient Department (estimated) . . . . .  | 55,445.26    | 92,620.86    | 104,258.09   | 107,451.52     |
| Totals . . . . .   | \$713,108.61 | \$772,994.69 | \$870,116.60 | \$896,768.32   |
| Add or deduct difference in stock on hand at beginning and end of year . . . . .               | -20,650.00   | +1,603.00    | -10,577.00   | +5,187.00      |
| Gross cost for ward patients . . . . .   | \$692,458.61 | \$774,597.69 | \$859,539.60 | \$901,955.32   |
| Deduct revenue paid to City Treasurer.   | 156,492.23   | 135,102.37   | 184,093.46   | 177,104.54     |
| Net cost for ward patients . . . . .   | \$535,966.38 | \$639,495.32 | \$675,446.14 | \$724,850.78   |

COMPARISON OF THE CENSUS AND EXPENDITURES.— *Concluded.*

|  | 1916-17. | 1917-18. | 1918-19. | 1919-20. |
|--|----------|----------|----------|----------|
| Per capita cost per ward patient per week:   |          |          |          |          |
| Including permanent improvements . .   | \$15 01  | \$16 86  | \$20 21  | \$22 66  |
| Exclusive of permanent improvements,   | 14 62    | 16 81    | 20 17    | 22 35    |
| Including permanent improvements, and deducting money paid to City Treasurer . . . . .   | 11 62    | 13 92    | 15 88    | 18 21    |
| Exclusive of permanent improvements and deducting money paid to City Treasurer . . . . . | 11 22    | 13 87    | 15 85    | 17 90    |

The tables of disbursements in this report show the expenditures of the Hospital Department during the fiscal year February 1, 1919, to January 31, 1920, inclusive. Table No. 1 shows the expenditures, classified, for the year. Table No. 2 shows the expenditures on food, ice and fuel. Table No. 3 is a comparison of the census, expenditures and per capita costs for the last four years.

The total expenditures during the fiscal year for Hospital Department, in the various branches, have been \$1,004,219.84, and the disbursements have been made as follows:

|  |                       |
|--|-----------------------|
| For Personal Service . . . . .   | \$446,346 63          |
| Service Other than Personal . . . . .  | 41,166 24             |
| Equipment . . . . .  | 53,929 89             |
| Supplies . . . . .   | 431,824 67            |
| Materials . . . . .  | 24,703 84             |
| Special Items . . . . .  | 2,478 73              |
| Incidental Expenditures to cover contingencies other than Personal Service . . | 3,769 84              |
| Total . . . . .  | <u>\$1,004,219 84</u> |

## REVENUE FROM ALL SOURCES FOR THE YEAR FEBRUARY 1, 1919, TO JANUARY 31, 1920, INCLUSIVE.

|  | Hospital Proper. | South Department. | West Department. | Haymarket Square Relief Station. | East Boston Relief Station. | Convalescent Home. | Totals.      | Grand Totals. |
|--|------------------|-------------------|------------------|----------------------------------|-----------------------------|--------------------|--------------|---------------|
| Revenue, Account of Maintenance:                       | \$2,174 00       |                   |                  |                                  |                             |                    |              | \$2,174 00    |
| Interest on Trust Funds.....                           |                  |                   |                  |                                  |                             |                    |              |               |
| Sundry Revenue:  | 130,150 37       | \$0,758 23        |                  | \$2,853 73                       | \$1,089 36                  |                    | \$153,451 69 |               |
| Income from Paying Patients:                           |                  | 18,820 79         |                  |                                  |                             |                    | 18,820 79    |               |
| Collected by hospital.....                             |                  |                   |                  |                                  |                             |                    |              |               |
| Collected by Board of Health for contagious cases..... |                  |                   |                  |                                  |                             |                    |              |               |
| Sale of bones and trimmings.....                       | 1,021 38         |                   |                  |                                  |                             |                    |              | 1,021 38      |
| Sale of old material:                                  |                  |                   |                  |                                  |                             |                    |              |               |
| Auto chassis.....                                      | 100 00           |                   |                  |                                  |                             |                    | \$100 00     |               |
| Waste paper.....                                       | 53 78            |                   |                  |                                  |                             |                    | 53 78        |               |
| Junk.....  | 62 58            |                   |                  |                                  |                             |                    | 62 58        |               |
| X-ray motor-starting box.....                          | 20 00            |                   |                  |                                  |                             |                    | 20 00        |               |
| Miscellaneous.....                                     | 148 40           |                   |                  |                                  |                             |                    | 148 40       |               |
| Refund on cond.....                                    | 463 89           |                   |                  |                                  |                             |                    |              | 444 76        |
| Commission on automatic telephones.....                | 146 07           |                   |                  |                                  |                             |                    |              | 463 89        |
| Gift of Mrs. Frank C. Farns.....                       | 100 00           |                   |                  |                                  |                             |                    |              | 146 07        |
| Request of Hugh J. Colgan *.....                       | 100 00           |                   |                  |                                  |                             |                    |              | 100 00        |
| Refund of land for store.....                          |                  |                   | \$100 00         |                                  |                             |                    |              | 100 00        |
| Birth fees.....  | 84 50            |                   |                  |                                  |                             |                    |              | 100 00        |
| Interest on bank deposit.....                          | 80 39            |                   |                  |                                  |                             |                    |              | 84 50         |
| Damage to ambulance.....                               | 75 00            |                   |                  |                                  |                             |                    |              | 80 39         |
| Refund Chapin Adams Company.....                       | 26 26            |                   |                  |                                  |                             |                    |              | 75 00         |
| Sale of standing grass.....                            |                  |                   |                  |                                  |                             | \$15 00            |              | 26 26         |
| Refund from United States Government.....              |                  |                   | 81               |                                  |                             |                    |              | 15 00         |
| Totals.....  | \$143,866 62     | \$28,579 02       | \$100 81         | \$2,853 73                       | \$1,089 36                  | \$15 00            |              | \$177,104 54  |

\* These amounts were added to the Fund for Special Nurses.



The main hospital has four subdivisions: The hospital (wards) proper, Out-Patient Departments, the Pathological Department and the X-Ray Laboratory. The expenditures for the South Department for infectious diseases, the Haymarket Square Relief Station, the East Boston Relief Station and the Convalescent Home are kept in a combined table.

The expenditures of the hospital in all its departments were for the care of 20,368 patients in the wards for 278,624 days', or 39,803 weeks' board, which makes the average weekly cost of \$22.66 or a daily cost of \$3.23 $\frac{5}{8}$  for patients of all classes. The cost of uncooked food supplies for all persons, including patients and the entire household in all departments of the hospital, was \$245,615.53. The average number of patients was 763.3; of officers and employees, including house and nursing staff, 690.1, or a total daily average of 1,453.4 persons. The number of weeks' board for all persons was 75,785 and the weekly cost per person for uncooked food supplies was \$3.24 or 46 $\frac{2}{3}$  cents per day.

If to the total operating expenses, \$1,004,219.84, is added the decrease in stock on hand, which is \$5,187, we find the cost of maintenance \$1,009,406.84. If we divide this amount by 444,102, the total number of days' board given ward patients plus the number of visits of out-patients, we obtain \$2.27 as the gross cost per day for all patients.

The total expenditures in the Hospital Department have been \$1,004,219.84, but the net cost to the city for maintaining it was only \$832,302.30.

The maximum number of patients in the hospital proper on any one day was 667, as against 736 in the previous year. The minimum number was 413 in comparison with 441 for the previous year. The daily average during the year was 543, and the average length of stay was 12.3 days.

There have been treated in the various Out-Patient Departments at the hospital proper 31,103 patients.

Other statistics may be found elsewhere, including the number of out-patients, number of their visits, rate of mortality, work of ambulances, census of days' board for all persons, the nativity of patients admitted and physical condition of patients when discharged.

The total number of deaths from February 1, 1919, to January 31, 1920, was 1,254. This does not include the statistics of the South Department, but only the main hospital.

Of the deaths, there occurred within

|                                 |                                    |
|---------------------------------|------------------------------------|
| 48 hours of admission . . . . . | 514 or $3\frac{2}{10}$ per cent.   |
| Other deaths . . . . .          | 740 or $4\frac{6}{10}$ per cent.   |
| <hr/>                           |                                    |
| Total . . . . .                 | 1,254 or $7\frac{8}{10}$ per cent. |

the rate of mortality for the year ending January 31, 1920.

This percentage of deaths is for the total number of patients treated in the hospital. The deaths occurring within forty-eight hours of admission (514) were 41 per cent of the whole number of deaths (1,254).

During the year 16,101 patients were treated in the wards of the main hospital, 31,103 as out-patients, 323 at the Convalescent Home, 2,353 at the South Department; at the Haymarket Square Relief Station 1,208 were treated in the wards and 24,537 as out-patients, and at the East Boston Relief Station 383 were treated in the wards and 10,308 as out-patients, a total of 86,316 who have received the benefits of the hospital in all departments.

During the year 16,009 persons applied for admission at the main hospital. Of this number 15,479 were admitted and 530 rejected. This number rejected was  $2\frac{2}{10}$  per cent of all persons applying, and the causes of rejection appear in the table of applicants not admitted, on page 54.

There were 430 self-rejected or deferred. Of these, 118 were admitted within three days and 70 admitted later. There were 280 denied admission because they had a

state settlement, but of these 60 were admitted within three days and 38 later. One hundred ninety were rejected for lack of accommodation, but of these 70 were admitted within three days and 86 still later. Ninety were refused admission because they did not reside within the city limits, but 36 of these were admitted within three days and 13 later. Sixteen were denied admission on account of lack of information that they were suitable applicants and 15 others were referred to other public institutions on account of the nature of their diseases.

#### HAYMARKET SQUARE RELIEF STATION.

The following are the principal statistics of the Haymarket Square Relief Station for the year:

|  |        |
|--|--------|
| Number of patients remaining in Haymarket Square Relief Station January 31, 1919 . . . . . | 1      |
| Admitted from February 1, 1919, to January 31, 1920, inclusive . . . . .                   | 1,207  |
|  | <hr/>  |
| Treated during the year . . . . .  | 1,208  |
| Discharged during the year . . . . .   | 1,106  |
| Died during the year . . . . .   | 96     |
|  | <hr/>  |
|  | 1,202  |
|  | <hr/>  |
| Number of patients remaining in Haymarket Square Relief Station January 31, 1920 . . . . . | 6      |
| Number of out-patients treated . . . . .   | 24,537 |
| Largest number of out-patients treated on any one day . . . . .                            | 113    |
| Number of major surgical operations . . . . .  | 84     |
| Number of deaths following surgical operations . . . . .                                   | 14     |
| Number of deaths within twenty-four hours of admission . . . . .                           | 73     |
| Number of days' treatment given patients in wards, . . . . .                               | 1,772  |
| Largest number of ward patients on any one day . . . . .                                   | 16     |
| Smallest number of ward patients on any one day . . . . .                                  | 0      |
| Average stay of ward patients in days . . . . .  | 1.5    |
| Daily average in wards . . . . .   | 4.8    |

|   |       |       |
|---|-------|-------|
| Number of ambulance calls . . . . .   | 1,336 |       |
| Number of ambulance trips for transfer of<br>admitted patients to hospital proper . . . . . | 417   |       |
| Miscellaneous ambulance trips . . . . .   | 25    |       |
|   | <hr/> | 1,778 |
| Number of ward patients transferred to hospital<br>proper . . . . .                         |       | 241   |
| Number of out-patients transferred to hospital<br>proper . . . . .                          |       | 360   |
| Total number of patients carried in Relief Station<br>ambulances . . . . .                  |       | 1,715 |
| Total number of miles run by Relief Station ambu-<br>lances . . . . .                       |       | 6,065 |
| Number of cases brought in by police ambulances and<br>patrol wagons . . . . .              |       | 1,138 |
| Number of cases brought in by carriages and auto-<br>mobiles . . . . .                      |       | 1,039 |

#### EAST BOSTON RELIEF STATION.

The following are the principal statistics for the year:

|   |       |        |
|---|-------|--------|
| Number of patients remaining at the East Boston<br>Relief Station, January 31, 1919 . . . . . |       | 3      |
| Admitted from February 1, 1919, to January 31, 1920,<br>inclusive . . . . .                   |       | 380    |
|   |       | <hr/>  |
| Treated during the year . . . . .   |       | 383    |
| Discharged during the year . . . . .  | 325   |        |
| Died during the year . . . . .  | 50    |        |
|   | <hr/> | 375    |
|   |       | <hr/>  |
| Number of patients remaining in East Boston Relief<br>Station January 31, 1920 . . . . .      |       | 8      |
| Number of out-patients treated . . . . .  |       | 10,308 |
| Number of visits of out-patients . . . . .  |       | 28,785 |
| Largest number of out-patients treated on any one<br>day . . . . .                            |       | 165    |
| Number of major surgical operations . . . . .   |       | 46     |
| Number of deaths . . . . .  |       | 50     |
| Number of deaths within twenty-four hours of admis-<br>sion . . . . .                         |       | 39     |
| Number of days' treatment given patients in wards, . . . . .                                  |       | 1,317  |
| Largest number of ward patients on any one day . . . . .                                      |       | 11     |
| Smallest number of ward patients on any one day . . . . .                                     |       | 0      |



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|  |  |       |
|--|--|-------|
| Average stay of ward patients in days . . . . .  | 3.5  |       |
| Daily average in wards . . . . .   | 4.8  |       |
| Number of ambulance trips for transfer of<br>admitted patients to hospital proper . . . . .                | 85   |       |
| Number of trips by East Boston Relief Sta-<br>tion ambulance . . . . .                                     | 211  | 296   |
|  | <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> |       |
| Number of patients transferred to hospital<br>proper . . . . .   | 88   |       |
| Number of patients carried by East Boston<br>Relief Station ambulance . . . . .                            | 177  | 265   |
|  | <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> |       |
| Number of miles run by East Boston Relief Station<br>ambulance . . . . .                                   |  | 1,941 |
| Number of patients accidentally injured admitted to<br>wards . . . . .                                     |  | 246   |
| Number of patients brought in by police ambulances,<br>patrol wagons, carriages, automobiles, etc. . . . . |  | 336   |

CONVALESCENT HOME.

The statistics of the Convalescent Home, which has just completed its twenty-ninth year, are as follows:

|   |  |  |
|---|--|--|
| Number of patients in Home January 31, 1919 . . . . . | 28   |  |
| Admitted during the year . . . . .                    | 295  |  |
|   | <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> |  |
| Total treated during the year . . . . .               | 323  |  |
| Discharged during the year . . . . .                  | 294  |  |
|   | <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> |  |
| Number remaining in Home January 31, 1920 . . . . .   | 29   |  |
| Number of days' board given patients . . . . .        | 6,466  |  |
| Largest number of patients on any one day . . . . .   | 32   |  |
| Smallest number of patients on any one day . . . . .  | 8  |  |
| Daily average number of patients . . . . .            | 17.7   |  |
| Average stay of patients in days . . . . .            | 20   |  |

MEDICAL LIBRARY.

|   |  |              |
|---|--|--------------|
| Number of books in library February 1, 1919 . . . . .                           | 3,464  |              |
| Number of books added to library from February 1,<br>1919, to January 31, 1920: |  |              |
| By purchase . . . . .   | 20   |              |
| By donation . . . . .   | 18   |              |
|   | <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> | 38           |
|   | <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> |              |
| Number of books in library January 31, 1920 . . . . .                           |  | <u>3,502</u> |



For all books received during the year index cards have been written and filed.

There have been received during the year 156 medical monographs and reprints and 130 hospital and health reports and 404 periodicals.

Fifteen thousand eight hundred twenty-five index cards of clinical records have been written and filed during the year.

#### TRAINING SCHOOL FOR NURSES.

The Training School for Nurses has now completed its forty-second year. The changes in the nursing staff during the year have been as follows:

#### SUMMARY FROM FEBRUARY 1, 1919, TO JANUARY 31, 1920.

|  |            |
|--|------------|
| February 1, 1919, the number of nurses was . . . | <u>233</u> |
|--|------------|

During the year nurses left as follows:

|   |            |
|---|------------|
| Superintendents of nurses resigned . . . . .                      | 2          |
| Assistant superintendents of nurses resigned . . . . .            | 2          |
| Instructor died . . . . .   | 1          |
| Head nurses resigned . . . . .                                    | 28         |
| Pupils graduated . . . . .  | 40         |
| Pupils resigned . . . . .   | 6          |
| Pupils dropped from roll . . . . .                                | 16         |
| Probationers dropped from roll . . . . .                          | 5          |
| Pupils from affiliated schools have completed courses as follows: |            |
| Boston State Hospital . . . . .                                   | 5          |
| Taunton State Hospital . . . . .                                  | 17         |
| New England Hospital . . . . .                                    | 12         |
| Leonard Morse Hospital . . . . .                                  | 4          |
| Worcester Memorial Hospital . . . . .                             | 20         |
| Cushing Hospital . . . . .  | 6          |
| Long Island Hospital . . . . .                                    | 2          |
| Proctor Hospital . . . . .  | 1          |
| Affiliated pupils who withdrew . . . . .                          | 6          |
| Graduate specials who withdrew . . . . .                          | 16         |
|   | <hr/>      |
| Total left . . . . .  | <u>189</u> |

|   |       |
|---|-------|
| Number of nurses remaining . . . . .                | 47    |
| Graduates retained . . . . .                        | 5     |
| Graduates readmitted . . . . .                      | 14    |
| Pupils readmitted . . . . .                         | 4     |
| Probationers admitted . . . . .                     | 49    |
| Probationers readmitted . . . . .                   | 1     |
| Graduates employed . . . . .                        | 23    |
| Pupils from affiliated schools admitted as follows: |       |
| Boston State Hospital . . . . .                     | 15    |
| Taunton State Hospital . . . . .                    | 14    |
| New England Hospital . . . . .                      | 11    |
| Leonard Morse Hospital . . . . .                    | 4     |
| Worcester Memorial Hospital . . . . .               | 18    |
| Worcester State Hospital . . . . .                  | 6     |
| Grafton State Hospital . . . . .                    | 4     |
| Long Island Hospital . . . . .                      | 9     |
| Cushing Hospital . . . . .                          | 8     |
| Proctor Hospital . . . . .                          | 1     |
| Graduate special nurses . . . . .                   | 22    |
| Male nurses remaining . . . . .                     | 14    |
|   | <hr/> |
| Total number remaining January 31, 1920 . . . . .   | 269   |

NURSES CONNECTED WITH THE SCHOOL JANUARY  
31, 1920.

*Main Hospital:*

|  |       |
|--|-------|
| Superintendent of nurses and assistant superintendents of nurses . . . . . | 5     |
| Instructors . . . . .  | 2     |
| Special nurses . . . . .   | 17    |
| Graduates . . . . .  | 30    |
| Pupils, male . . . . .   | 13    |
| Pupils, female . . . . .   | 89    |
| Probationers . . . . .   | 17    |
| Affiliated pupils:   |       |
| Boston State Hospital . . . . .  | 5     |
| Taunton State Hospital . . . . .   | 12    |
| New England Hospital . . . . .   | 4     |
| Long Island Hospital . . . . .   | 3     |
| Cushing Hospital . . . . .   | 5     |
| Worcester State Hospital . . . . .   | 4     |
|  | <hr/> |
| <i>Carried forward</i> . . . . .   | 206   |

|   |    |            |
|---|----|------------|
| <i>Brought forward</i> . . . . .                                |    | 206        |
| <i>South Department:</i>  |    |            |
| Assistant superintendent and supervisors of<br>nurses . . . . . | 3  |            |
| Head nurses . . . . .   | 2  |            |
| Special nurses . . . . .  | 5  |            |
| Laboratory nurse . . . . .                                      | 1  |            |
| Pupils, male and female . . . . .                               | 18 |            |
| Affiliated pupils:  |    |            |
| Worcester Memorial Hospital . . . . .                           | 4  |            |
| Leonard Morse Hospital . . . . .                                | 2  |            |
| Boston State Hospital . . . . .                                 | 5  |            |
| Long Island Hospital . . . . .                                  | 2  |            |
| Grafton State Hospital . . . . .                                | 4  |            |
| Worcester State Hospital . . . . .                              | 2  |            |
| Taunton State Hospital . . . . .                                | 2  |            |
|   | —  | 50         |
| <i>Haymarket Square Relief Station:</i>                         |    |            |
| Matron and graduates . . . . .                                  | 3  |            |
| Pupils . . . . .  | 4  |            |
|   | —  | 7          |
| <i>East Boston Relief Station:</i>                              |    |            |
| Head nurse . . . . .  | 1  |            |
| Pupils . . . . .  | 3  |            |
|   | —  | 4          |
| <i>Convalescent Home:</i>                                       |    |            |
| Matron . . . . .  | 1  |            |
| Head nurse . . . . .  | 1  |            |
|   | —  | 2          |
| Total . . . . .   |    | <u>269</u> |

Forty-nine probationers have been admitted. Forty pupils have graduated. Two are sent to Public Health work at intervals of four months and two are sent to the Social Service Department at intervals of two months. Seventy-seven pupils from schools affiliated with the Training School have completed their course.

Miss Francis E. Morley, instructor of nurses, Miss Maud Dunclee, instructor of probationers, Miss Edith Gertz, instructor of nursing in contagious diseases,

Miss Lydia Lee, dietitian, and Miss Etta Dwyer, chief operating room nurse, have conducted the usual number of classes in their respective departments.

Professor Nissen has held eighteen classes in massage. The school has received twenty-six lectures from members of the Visiting Staff. The senior pupils have attended twenty medical clinics given by Dr. John A. Foley of the executive staff and twenty surgical clinics from Dr. Harold Q. Gallupe, Resident Surgeon.

The regular graduation exercises were held Friday, May 25, at 4 p. m. Dr. George G. Sears, Chairman of Training School Committee, gave the address, and the diplomas were presented by Dr. John J. Dowling, Superintendent of the Hospital.

#### CHANGES IN THE EXECUTIVE STAFF.

Early in April Doctor Dowling returned from military service, thus restoring the Executive Officers to their usual work.

In May Alfred C. Callister, M. D., Resident Surgeon, and William B. Young, M. D., Fourth Executive Assistant, resigned. Harold Q. Gallupe, M. D., Resident Anæsthetist, was then made Resident Surgeon; Robert Slater, M. D., was appointed Fourth Executive Assistant, and Joseph P. Mulhern, M. D., was appointed Resident Anæsthetist. Doctor Slater resigned in November to go into private practice.

Early in the year Hermann Lande, M. D., was appointed Special Physician for Influenza and Lee E. Sutton, M. D., was appointed Special Pathologist for Influenza. In June, Doctor Lande resigned; and, later, Henry M. Thomas, Jr., M. D., was appointed Special Physician. After Doctor Sutton accepted the appointment of Interne, the pathological work of this service was carried on by a technician.

In November a clinic for diabetics was opened in the Out-Patient Department under the general charge of Doctor Larrabee, with Doctor Horner and Doctor Ohler in direct charge.



In November the generosity of a few friends of the hospital made it possible for the trustees to open a laboratory for the treatment and investigation of diseases of the blood. This laboratory was placed in charge of Thomas E. Buckman, M. D. At the opening of the new year the Mayor added to the budget the expense of maintaining this laboratory, thus making it a regular department of the hospital.

At the South Department the following changes have occurred: Edward J. Monahan, M. D., and Wallace H. Drake, M. D., resigned their positions of Assistant Physicians, Doctor Monahan leaving in July and Doctor Drake in April. Hiram H. Amiral, M. D., returned from military service in April and filled the position of Assistant Physician from April until September. Upon Doctor Amiral's resignation, Maurice T. Briggs, M. D., was appointed Assistant Physician and he served until the latter part of December. Lee F. Hill, M. D., was appointed Assistant Physician in October. Paul C. Carson, M. D., was appointed Assistant Physician, beginning February 1, 1920.

It is with deep regret that we record the death of Alfred M. Goodale, M. D., Interne and Assistant in Pathology, who, after a brief illness, succumbed to pneumonia.

In February Frederick Parker, Jr., M. D., returned from his work as Instructor in the Yale Army Laboratory School. He served as Second Assistant Pathologist until July, when he became Assistant Pathologist and Research Assistant in Pathology.

In July Frank B. Berry, M. D., returned from his work with Laboratory Unit No. 5 in France to the position of First Assistant in Pathology.

In April William R. Ohler, M. D., returned from his overseas work with Base Hospital No. 7 to his former position of Assistant in Clinical Pathology.

In September Rustin McIntosh, M. D., was appointed Second Assistant in Pathology.

During the year the following physicians have served



in the double position of Interne and Assistant in Pathology: Thomas K. Richards, M. D., from May, 1918, until March 15, 1919; Alfred M. Goodale, M. D., from June, 1918, until his death on February 22, 1919; Gilbert E. Haggart, M. D., from March 14 until May 1, 1919; Fletcher H. Colby, M. D., from April 15 until May 28, 1919.

Samuel W. Ellsworth, M. D., Physician for X-Ray Service, who served as Instructor in Roentgenology for the Medical Officers' Reserve Corps, then as Roentgenologist to Base Hospital No. 126, and later became Assistant to the Consultant in Roentgenology of the American Expeditionary Forces, returned to hospital work in March.

Ester M. E. Sundelöf, M. D., Acting Assistant Physician for X-Ray Service, resigned in March. Herman A. Osgood, M. D., has served as Volunteer Assistant for six months beginning in July. Mr. Arnold D. Versteegh was appointed House Officer for the X-Ray Department for three months, beginning in July.

Miss Emma M. Nichols, Superintendent of Nurses and Matron since 1910, having previously served as Matron of the Haymarket Square Relief Station and the South Department, resigned on account of ill health following overseas work as Chief Nurse of Base Hospital No. 7.

During her term of service several important changes in the curriculum of the Training School were instituted; the course was lengthened to three years, training for male nurses established, affiliation with other training schools begun, obstetrical training introduced, also occupational therapy. Upon her retirement Miss Nichols was given the title of "Counsellor to the Training School."

Miss Mary Alice McMahan, having served as Acting Superintendent of Nurses and Matron during Miss Nichols' absence, and having met the severe demands of the influenza epidemic with great devotion and efficiency, was made Superintendent of Nurses and

Matron. Later in the year she resigned to take another position, and Miss Ellen C. Daley, Assistant Superintendent of Nurses and Matron of the South Department, was appointed Acting Superintendent of Nurses and Matron.

In October Miss Margaret J. Fallon, Acting First Assistant Superintendent of Nurses, and Miss Esther A. Owen, Night Supervisor of Nurses, resigned. Miss Della M. Currier was then made First Assistant Superintendent of Nurses; Miss Rose M. Foster, Second Assistant Superintendent of Nurses; Miss Eliza S. Williams, Third Assistant Superintendent of Nurses; Miss Myrtle Rix, Night Supervisor of Nurses.

Miss Rosa E. Doyle, Instructor of Probationers, a woman of sterling character, passed away in November. This loss was felt deeply in the Training School.

Miss Maud E. Dunclee then was appointed Acting Instructor of Probationers.

The position of Instructor in Obstetrics was revived and Miss Mary Currier appointed thereto in November.

At the South Department Miss Ursula C. Noyes, Assistant Superintendent of Nurses and Matron, resigned to go to another position. Miss Julia E. Gertz was appointed to succeed Miss Noyes and Miss Addie S. Moses was appointed Day Supervisor of Nurses.

Considerable progress has been made in the hospital during the past year. To still further progress, the trustees desire to call attention to the following needs:

Because of the constantly growing demands upon the X-Ray Service the need for expansion is growing more acute each day. To properly house the X-Ray Service and the various laboratories which are now scattered throughout the hospital, it is essential that the Thorne-dike Memorial Building be constructed at the earliest possible moment.

The need of a new House Officers' Building is so obvious that it seems hardly necessary to mention it again, and the same may be said with equal truth with

regard to the Pathological Laboratory. The present laboratories, when constructed, were the best in the country, but the work has grown to such an extent that further enlargement is absolutely essential.

The Out-Patient Departments are at present housed in two buildings, with a consequent lack of co-operation and proper oversight. The various clinics are crowded every clinic day, and the staff has made several recommendations as to more commodious quarters and for a new system of keeping the records. To install such a system it will be necessary to house all the Out-Patient Departments in one building.

The Public Health Service is still in possession of the West Department, and until it is either released or purchased by the Government the question of expansion of the South Department must remain unsettled.

The need for more beds, both at the main hospital and South Department, is a pressing one, especially during the winter months, but this condition must remain until the disposition of the West Department is finally settled.

In presenting this report I desire to express my sincere thanks to the trustees who have so generously supported my efforts during the past year, and without which support it would be impossible to administer the affairs of this hospital. To Doctor Wilson and all other employees who have at all times aided me without stint, I also express my gratitude.

JOHN J. DOWLING, M. D.,  
*Superintendent and Medical Director.*

## BEQUESTS.

## FUNDS WITH INTEREST ONLY AVAILABLE.

|  |             |
|--|-------------|
| <i>Goodnow Fund.</i> — For the support of free beds . . . . .  | \$26,000 00 |
| <i>Nichols Fund.</i> — For the establishment and endowment of a City Hospital . . . . .  | 2,000 00    |
| <i>Norcross Fund.</i> — For the benefit of patients leaving the hospital poor and destitute of proper clothing . . . . .   | 2,000 00    |
| <i>Ball Fund.</i> — For the same purpose and under the same restrictions as the Norcross Fund . . . . .  | 1,000 00    |
| <i>Goodnow Library Fund.</i> — For replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence . . . . .                 | 1,000 00    |
| <i>Shaw Fund.</i> — For the purchase of flowers and fruit for the use and comfort of the patients in the hospital . . . . .  | 2,000 00    |
| <i>Perkins Fund.</i> — For books for the Medical Library, and for the purchase of artificial limbs and surgical appliances for the use and relief of patients leaving the hospital . . . . . | 7,500 00    |
| <i>Cheever Fund.</i> — To purchase and present to each house surgeon when his service expires a pocket case of surgical instruments, as a gift from Dr. David W. Cheever . . . . .           | 3,500 00    |
| <i>Charles P. Hemenway Fund.</i> — For a free bed, to be known as the Charles P. Hemenway Memorial Bed . . . . .   | 5,000 00    |
| <i>Herbert L. Burrell Ether Prize Fund.</i> — For a money prize to be given to the house officer who administers ether or other anæsthetic in the most skillful and humane manner . . . . .  | 1,000 00    |
| <i>Silas Durkee Fund.</i> — “For the benefit of the Boston City Hospital” . . . . .  | 15,050 00   |
| <i>Daniel S. Ford Fund.</i> — “For the benefit of the Boston City Hospital” . . . . .  | 6,000 00    |
| <i>Carried forward</i> . . . . .   | \$72,050 00 |



|   |                    |
|---|--------------------|
| <i>Brought forward</i> . . . . .  | \$72,050 00        |
| <i>Carter Fund.</i> — For books for the benefit of the Training School for Nurses . . . . .   | 2,000 00           |
| <i>Hettie Lang Shuman Memorial Library Fund.</i> — To be expended in perpetuity by the trustees for new books for the use of hospital patients and for the replacing of volumes that have become damaged, lost or destroyed . . . . . | 2,000 00           |
| <i>William T. Bolton Fund.</i> — For the benefit of the Boston City Hospital . . . . .  | 500 00             |
| <i>Patrick A. Collins Memorial Library Fund.</i> — For the purchase of new books for the use of hospital patients and for the replacing of those that have become damaged, lost or destroyed, . . . . .                               | 500 00             |
| <i>Mehitable C. C. Wilson Fund.</i> — For the benefit of the Medical Library . . . . .  | 500 00             |
| <i>Nurses' Fund.</i> — To be used under direction of superintendent and staff for employment of special nurses . . . . .  | 10,200 00          |
| <i>Dr. George S. Hyde Fund.</i> — For the support of a free bed . . . . .   | 5,000 00           |
| Total . . . . .   | <u>\$92,750 00</u> |

## FUNDS WITH BOTH PRINCIPAL AND INTEREST AVAILABLE.

|   |                     |
|---|---------------------|
| <i>Wyman Building Fund.</i> — Rest and residue of the Thomas T. Wyman estate. Balance on hand January 31, 1920 . . . . .  | \$5 45              |
| <i>Patrick A. Collins Memorial Library Fund.</i> — To purchase bookcases and books for the use of hospital patients. Balance on hand January 31, 1920 . . . . .     | 467 56              |
| <i>Francis Bartlett Bequest.</i> — To be used to purchase radium and X-ray apparatus. Balance on hand January 31, 1920 . . . . .                                    | 4 74                |
| <i>The Thorndike Memorial.</i> — Bequest of George L. Thorndike. To be used for erection of Thorndike Memorial Building. Balance on hand January 31, 1920 . . . . . | 198,570 47          |
| Total . . . . .   | <u>\$199,048 22</u> |



## THE BOSTON CITY HOSPITAL TRAINING SCHOOL FOR NURSES.

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The trustees of the Boston City Hospital in 1878 established a Training School for Nurses, the fourth organized in the United States, in order to give to women desirous of becoming professional nurses a systematic course of training and practice.

The Training School is controlled by the trustees of the hospital, like all other departments of the hospital service. The Superintendent of the Hospital has the general supervision of all matters relating to the school, its course of work and study, lectures and discipline. The Superintendent of Nurses has the immediate charge of all the nursing in the hospital, of all persons employed in the wards and also the instruction and management of the nurses in the Training School. All female nurses in the hospital must be connected with the school.

The hospital in all its departments contains 1,202 beds for patients as follows:

|  |       |
|--|-------|
| Main Hospital . . . . .                            | 794   |
| South Department for Infectious Diseases . . . . . | 340   |
| Haymarket Square Relief Station . . . . .          | 24    |
| East Boston Relief Station . . . . .               | 10    |
| Convalescent Home . . . . .                        | 34    |
| Total . . . . .                                    | 1,202 |

The number and variety of cases in each department afford ample material for observation and instruction. The course requires three years, and includes general medical and surgical nursing, together with ophthalmic, aural and gynæcological nursing, also the nursing of children and infectious diseases and of emergency surgical work. A maternity ward connected with the

hospital provides a course in maternity nursing. Affiliation at maternity hospital elsewhere, without extra cost to the nurse, has also been arranged.

The most desirable age for candidates is from twenty-one to thirty-five years. They must be of sound health, and should send with their application a certificate from a physician certifying to the fact. They should also send a brief personal history and give the names and addresses of three responsible persons, not of their own kin, preferably their last employer, if any, or business men of their acquaintance, who know of their good character and capabilities. Upon the recommendation of the Superintendent of the Hospital and Superintendent of Nurses, they will be received for three months on probation. The fitness of candidates for the training and work, and the propriety of retaining or dismissing them will be determined by the authorities in charge of the school, under the direction of the trustees. At least two years of high school work is necessary. An entrance examination, held every Tuesday morning at ten o'clock, except holidays, is given to all candidates before the term of probation. The examination is in simple arithmetic, English composition and writing from dictation, etc., and is in no sense so severe as to prevent anyone who is capable of undertaking the work of a trained nurse from so doing. The Superintendent of Nurses will have a personal interview with candidates for the school on Tuesdays from ten to twelve o'clock.

At the end of the second month, candidates, if considered satisfactory, are permitted to wear the cap and enter upon the regular course of training, but such candidates are not permitted to join the school formally until the end of the third month, when, if accepted, they sign an agreement to complete the prescribed course of three years and to conform to all rules. At the end of the first six months the record and work of each pupil are carefully scrutinized as to her fitness to make a good nurse, and the right is reserved by the authorities of the hospital to terminate then, or at any time,

the connection of any pupil or nurse with the school for inefficiency, misconduct, generally unsatisfactory record, or for any other reason which may be deemed sufficient.

The nurses in the Training School (including probationers) reside at the three Nurses' Homes connected with the hospital. These houses are attractive and homelike, and have the best of conditions necessary to good health and personal hygiene, while recreation and amusement, necessary to a wholesome life, have been considered in the music room, library and reception rooms provided.

The Superintendent of Nurses has the immediate charge of the Training School, under the authority of the Superintendent of the Hospital and of the trustees, and the nurses are subject to the rules of the hospital, like any other service.

The instruction includes the general care of the sick, the making of beds, changing the bed and body linen, managing of helpless patients in bed, etc., giving baths, keeping patients warm or cool, prevention or dressing of bed sores, and proper management of the patient under various conditions with different diseases or injuries; the making and applying of bandages and rollers, preparation of splints, application and management of surgical apparatus, applying of fomentations and poultices, the dressing of burns, ulcers and wounds and other minor dressings and subsequent treatment, the administering of enemata and the use of the female catheter.

Nurses are taught how to act in the various emergencies occurring in hospital and private nursing, as well as in the accidents of ordinary life. They are also given lessons in massage by a professional instructor. There is a systematic course of training in cookery for the sick, the serving of food and delicacies in the proper manner and the feeding of helpless patients or those who resist food.

Instruction is also given in the best practical methods

of supplying fresh air, of warming and ventilating sick rooms in a proper manner, and the proper care of sick rooms for the best good and comfort of the patient; in keeping all utensils and appliances perfectly clean and disinfected; in making accurate observations of the pulse, temperature, respiration, expectorations, the secretions, state of the skin, and eruptions; of mental condition, as delirium, stupor, shock, etc., of the condition as to sleep, appetite, effects of diet or of stimulants and medicines; the behavior of wounds and the after treatment in surgical operations; and in the managing of convalescents. Nurses are taught the administering of medicines and the application of external remedies, how to take notes on cases, the making up of the nurse's record, and the reports to the attending doctor.

The three years' course of training includes a preparatory course of three months under a special instructor, followed by a fixed course of instruction from manuals and text-books, mainly given by the instructors, dietitian and graduate head nurses. Lectures and demonstrations, chiefly upon practical points, are given at stated times by the medical and surgical staff of the hospital. While the instruction by the manuals, text-books, lectures, demonstrations, quizzes and models is considerable, the main reliance is upon accurate daily drill in the wards, operating rooms and other departments of the hospital. Examinations, both oral and written, are held from time to time by the authorities of the school, and nurses will not be graduated unless they attain, on critical marking, at least 70 per cent.

The pupils are employed as assistant nurses in the wards, operating rooms, out-patient departments of the hospital and the two Relief Stations. They are given training in medical, surgical, in contagious and gynecological wards. Maternity training is provided. No class recitations or lectures are given between July 1 and October 1, except to the probation classes.

Probationers are not paid during their first two months, but for the remaining ten months of the first year they



receive \$10 a month, for the second year \$12.50 a month, and for the third year \$16.67 a month while on duty in the hospital, to pay for the expenses of their uniform, personal clothing and other minor requirements. While on duty in a maternity hospital they will receive the allowance provided by the hospital to which they are assigned. This sum is in nowise intended as wages, it being considered that their education during this time is a full equivalent for their services. When the term of three years is completed the nurses receive, if they pass all the examinations and are otherwise satisfactory, a diploma certifying to the regular course of training and practice, and are then permitted to wear the graduate's badge of the school.

The majority of graduates engage in private nursing, but some are invited to remain in the service of the hospital as head nurses, with opportunities of promotion here or in other hospitals. Graduate head nurses who prefer to remain in hospital work, or return after a term of private nursing, are given post-graduate instructions in ward management, hospital housekeeping and minor administrations, fitting them to fill positions of trust in hospitals or other institutions.

The school year has no fixed date, but accepted candidates are, as a rule, received in classes, beginning every three months. When coming to the hospital they should bring with them the following articles: Three dresses, on order from Superintendent of Nurses; eight large white aprons, made of bleached cotton, two yards wide, meeting in back, with bibs, without straps, without pockets, plain at the top and gathered slightly at the bottom, two pearl studs on the band, two inches wide, with hem at bottom five inches in depth, and two inches from the bottom of the dress; two bags for soiled clothes; one pair of scissors, a pinball, and a plain napkin ring with nurse's name; a good supply of plain underclothing, every article to be distinctly marked with pen and indelible ink with the owner's name. Twenty-one pieces are allowed for the laundry each week.



Nurses must bring suitable outer garments for stormy weather, and they are required to wear boots with rubber heels. If the teeth are out of order in any way they must receive attention before coming for the probationary month. Nurses are required to wear the Training School uniform after they join the school. Material for dresses will be sold at cost price; caps are furnished at a nominal price. Probationers must come prepared to expend about \$20 for uniforms, books and other needful expenses.

Hours of duty for day nurses will vary from six to twelve hours between the hours of 7 a. m. and 8 p. m.; for night nurses, from 8 p. m. to 7 a. m. No nurse is required to do both day and night duty on the same day, except in rare emergencies. Each nurse on day duty is allowed three hours for rest and recreation, one half day, after 1.30 p. m., each week, and four hours on Sunday. Two weeks' vacation with pay is allowed each year, and one week without pay as leave of absence during the third year. If nurses are sick they are cared for in the hospital, but pay is stopped, except for illness or injury received in the line of duty. Pupils may be expected to have a percentage of any considerable time lost by illness or absence added to their three years, at the discretion of the management. Nurses on night duty are required to be in bed from 9 a. m. until 4 p. m.

## COURSE OF INSTRUCTION.

### I. PROBATIONER'S COURSE.

The first week the probation class meets in the practice room daily for practical instruction in the making of beds, including the use of bed rests, cradles, etc.

The care of rooms, sweeping and dusting.

Care of set bowls, wall-stands and utensils.

Care of linen rooms, the folding of linen.

The use of hot and cold applications, including the making of fomentations and poultices.

The care of rubber goods.

The making of surgical supplies, pads, sponges, tampons, etc.

The use of slings, binders and supports.

During this time the class is instructed in the use of antiseptics, disinfectants and deodorants, and the preparation of solutions.

Tables of weights and measures.

The use of abbreviations and symbols.

The principles of ventilation.

The temperature of the body. Heat production and radiation.

The use of the clinical thermometer and charts.

The giving of baths, care of the back, mouth, etc.

From the seventh (7th) to the tenth (10th) day allowed to go to the wards, make beds, sweep, dust and fold linen (hours from 7 to 10.30 a. m.).

The tenth (10th) day assigned to wards for regular duty, and during the remaining weeks of the probation course three hours each day will be devoted to class and practice room work, with one additional hour for recreation.

*Total Hours of Study and Ward Work in Three  
Months' Probation.*

|   |            |
|---|------------|
| Anatomy, Physiology and Hygiene . . . . .     | 68 hours.  |
| Practical Nursing and Practice Room . . . . . | 148 hours. |
| Materia Medica and Nursing Ethics . . . . .   | 24 hours.  |
| Dietetics . . . . .                           | 8 hours.   |
| Ward Work . . . . .                           | 481 hours. |

I. FIRST YEAR.

|                              |           |
|------------------------------|-----------|
| Anatomy . . . . .            | 36 hours. |
| Chemistry . . . . .          | 12 hours. |
| Contagious Nursing . . . . . | 12 hours. |
| Bacteriology . . . . .       | 12 hours. |

II. SECOND YEAR.

|                                  |           |
|----------------------------------|-----------|
| Materia Medica . . . . .         | 18 hours. |
| Laboratory Technique . . . . .   | 12 hours. |
| Dietetics . . . . .              | 12 hours. |
| Cooking . . . . .                | 12 hours. |
| Hygiene and Sanitation . . . . . | 12 hours. |

## III. THIRD YEAR.

|                                |           |
|--------------------------------|-----------|
| Surgical Clinics . . . . .     | 12 hours. |
| Medical Clinics . . . . .      | 12 hours. |
| Obstetrical Lectures . . . . . | 12 hours. |

The prospectus is subject to change.

An excellent reference library is open to nurses for more extended reading upon subjects under consideration.

## LIST OF LECTURES AND SUBJECTS.

A lecture is given to the Training School on Fridays at 4 p. m. in the operating amphitheater by a member of the Medical and Surgical Staff, once a week between September 15 and June 30. The following are among the lectures given at various periods during the training:

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <i>One.</i> — Hygiene and Sanitation. | <i>One.</i> — Drugs.                  |
| <i>One.</i> — Ethics.                 | <i>Four.</i> — Therapeutics.          |
| <i>Three.</i> — Contagious Nursing.   | <i>Two.</i> — Care of Children.       |
| <i>Two.</i> — Urinalysis.             | <i>Three.</i> — Ear, Nose and Throat. |
| <i>Two.</i> — Etherization.           | <i>One.</i> — Bandaging.              |
| <i>Two.</i> — Pathology               | <i>Two.</i> — Nervous Diseases.       |
| <i>Two.</i> — Gynæcology.             | <i>Two.</i> — The Skin.               |
| <i>Two.</i> — Vaccines and Serums.    | <i>One.</i> — The Eye.                |
| <i>Two.</i> — Emergencies.            |                                       |

## HOUSE RULES.

WITH RULES FOR ADMISSION, GOVERNMENT AND DIS-  
CHARGE OF PATIENTS; ALSO RULES FOR VISITORS.

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## HOUSE RULES.

The doors and gates of the hospital will be closed at ten o'clock in the evening, at which time all inmates, excepting head nurses, who are permitted to remain out until twelve o'clock midnight, shall be quiet, and all not on duty shall be in their rooms, unless otherwise specifically permitted.

All officers, nurses and employees of the hospital, when going and coming to and from the hospital, shall enter and go out by the entrance office, and by no other entrance. Such officers and employees as are required shall use the time register and method of booking that the hospital rules require.

A record shall be kept of all persons entering the hospital between the hours of 10 o'clock in the evening and 7.30 o'clock in the morning.

No employee shall be absent from the hospital except when permitted by special rules or by the Superintendent.

No officer, nurse, male nurse or other employee shall, directly or indirectly, receive money or other gifts from or in behalf of patients, except with the approval of the Superintendent.

The use of tobacco, wine and intoxicating liquors is prohibited within the hospital, unless prescribed by the physicians or surgeons.

All profane and improper language, loud talking and incivility are prohibited.

All employees shall observe such further rules and direction for their conduct as may from time to time be established.

## ADMISSION OF PATIENTS.

Application for admission may be made at the hospital on each day of the week (Sundays excepted) between nine o'clock a. m. and five o'clock p. m. Whenever able, a patient shall apply in person for admission. When not able to apply in person, a patient may be admitted on application made by his physician, or upon a visit to his residence by the admitting physician.

No person having acute venereal disease or alcoholism shall be admitted unless his condition is urgent, except as a paying patient.

No person shall be admitted to the hospital whose case is judged to be incurable, unless there be urgent symptoms which are deemed capable of being relieved.

Persons with state settlements, unless they stand in need of immediate relief, are to be referred to the state hospital.

Patients settled in other cities and towns in Massachusetts are to be referred to their own city or town for treatment, Boston cases being given the preference.

Unsettled cases, if resident in Boston, may be admitted as paying patients.

Patients may be admitted to the privileges of the hospital at such rate of board as the trustees may from time to time by vote determine, payment for such cases being secured by the friends of the patients or by the authorities of the city or town in which the patient is legally settled.

Whenever, in the opinion of the trustees, the circumstances of the patient will warrant it, the whole or part of the board will be paid.

If separate apartments or articles not usually furnished at the hospital are furnished, such payment shall be made therefor as the trustees shall deem reasonable.

Persons non-resident and non-settled in Boston are to be admitted only as private patients, *i. e.*, paying patients in private rooms.



All accident or emergency cases shall be received at all hours, night or day, irrespective of settlement.

In all cases where any question arises as to the treatment of newly admitted or other patients, it shall be the duty of the house officer to consult with the executive on duty in regard to such treatment until the arrival of his visiting physician or surgeon.

If in the judgment of the admitting physician the condition of a newly admitted patient is sufficiently urgent to demand the attention of the visiting staff, he shall so notify the house officer and shall direct him to call his visiting physician or surgeon.

In case alcohol is administered to a patient before or after placing him in the ambulance, or by any other than hospital employees, before the arrival of the ambulance, the same is to be promptly reported to the admitting physician, and a record of the fact made in the clinical record book. This rule covers cases brought by conveyances other than hospital ambulances.

#### GOVERNMENT OF PATIENTS.

Patients shall implicitly observe all the rules of the hospital.

Patients shall be in their proper places in the wards during the visits of the physicians and surgeons, and always before 7.30 o'clock in the evening, unless specially excused by the Superintendent.

Such free patients as are able shall assist in nursing and perform such other services as may be reasonably required of them.

No patient shall leave the hospital grounds without a pass from the Superintendent, nor leave his ward without the consent of the nurse in charge.

No patient shall purchase, or cause to be purchased for him, any article of food whatsoever, or any other article, without the consent of the Superintendent.

Profane and obscene language, loud talking and incivility are prohibited.

Patients may be visited by clergymen of their own

selection, and any wish for the performance of a particular religious rite shall be granted when practicable.

Complaints, for whatever cause, may be made to the Superintendent, and whenever requested shall be by him reported to the trustees.

#### DISCHARGE OF PATIENTS.

Patients shall be discharged by the Superintendent.

Patients discharged on the recommendation of the visiting physician or surgeon shall be provided with a certificate stating their condition at the time of discharge, whether cured, relieved or not relieved, which certificate shall be signed by the Superintendent.

Whenever a patient is removed from the hospital without the approval of the Superintendent, a written statement to that effect shall be required from any person assuming the responsibility of the removal.

#### VISITORS.

No person shall visit any part of the premises except on business, or at such time as may be fixed for the reception of visitors, without the permission of the Superintendent or of some one of the trustees.

Daily, from 2 to 3 o'clock in the afternoon, friends may be permitted to visit patients, though no patient shall receive more than two visitors at that hour; and from 6 to 6.30 o'clock on each week day friends may be permitted to visit patients, though no patient shall receive more than one visitor at that hour. In all cases, however, the trustees and the Superintendent may exercise discretionary powers as to excluding or admitting visitors.

When visitors are admitted outside of the regular visiting hours they shall not be permitted to remain more than half an hour, except a special permission to remain for further time is granted.

All visitors shall leave the hospital when the bell rings at the expiration of the visiting hour.

No visitor shall take any meal in the hospital, or pass the night therein, without permission of the Superintendent or one of the trustees.

No visitor shall be allowed to give any article of food or drink to a patient unless by permission of the nurse; and any article sent to a patient shall be left at the entrance office.

SPECIAL RULES FOR THE GOVERNMENT OF  
THE SOUTH DEPARTMENT.

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The department of the Boston City Hospital located on the westerly side of Massachusetts avenue shall be designated as the South Department of the Boston City Hospital. It shall receive patients who require treatment for diphtheria, scarlet fever, measles, whooping cough, and for other infectious diseases as may be determined from time to time by the trustees.

The Superintendent and Medical Director of the hospital shall, under the direction of the trustees, have the general control and management of this department in the same manner as of other departments of the hospital.

The rules of the hospital shall, so far as applicable, and except as hereinafter provided, apply to the various officers and employees and to the conduct and management of this department.

SPECIAL RULES FOR THE GOVERNMENT OF  
THE HAYMARKET SQUARE AND THE EAST  
BOSTON RELIEF STATIONS.

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The Boston City Hospital Relief Stations are established not as hospitals, but as departments of the Boston City Hospital for temporary relief, and the rules and methods prevailing now in the hospital shall, so far as applicable, and not inconsistent with special rules, apply to the Relief Stations.

The stations shall afford temporary relief in all classes of accident and disease. They shall be open at all hours for patients requiring treatment or attention. Patients requiring ward treatment, whether received at the stations or taken up in ambulances, shall, so far as is consistent with their welfare, be forthwith transferred or carried to the hospital for extended treatment, but ward accommodations shall be afforded patients whose condition is such that they cannot properly be transferred. Patients may, however, if it is deemed desirable, be transferred by the ambulances to other hospitals or to their homes. First treatment may be afforded at the stations, although the applicants are not such as require ward treatment.

The Superintendent of the Hospital shall have the general administration, management and control of the stations, the same as of other departments of the hospital.

The Superintendent shall, once a year, nominate for confirmation by the trustees a Resident Surgeon and one or more Assistant Resident Surgeons for each station; and shall appoint and employ or detail for service in each department, from time to time, as may be necessary, subject to the approval of the trustees or of the proper committees, a Matron, a Supervisor, nurses, male nurses and such other minor employees as may be



required for the proper conduct of the station, who shall be subject to his supervision.

The various officers and employees of the stations shall perform such duties other than those specified as may be required by the trustees or the Superintendent, according to the nature of their respective duties. The Resident Surgeons, the Matron, Supervisors and such other officers as may be so required shall reside at the stations.

#### PATIENTS.

Alcoholic and insane patients shall not be received unless there is surgical or medical complication making hospital treatment absolutely necessary.

No patient, after being admitted to the wards, shall leave the station until his discharge without a pass from the proper officer, nor shall he visit other parts of the station without permission.

Ward patients shall be discharged by the Superintendent or Resident Surgeon.

#### AMBULANCE SERVICE AT THE HAYMARKET SQUARE RELIEF STATION.

The ambulance service of the station shall be under the direct control of the Resident Surgeon, and shall co-operate with that of the hospital, with which it shall form one general system. Ambulances shall, in response to calls, be dispatched from the station or the hospital as the exigency may require. The utmost dispatch shall be exercised in the ambulance service, so far as is consistent with a regard for the welfare of the patient and the interest of the public.

Ambulances shall in general be sent from the station or the hospital at least upon a general alarm to all fires occurring in the city proper and in such further districts as may be determined upon.

An ambulance shall be held during the hours of the day in complete readiness to make immediate response to calls, and shall be kept in condition to make prompt response to calls at any time of the night.

A house officer shall accompany the ambulance, shall direct its course and shall have direction of the care and treatment of the patient until received at his destination.

The foreman of the ambulance service at the hospital station shall visit and inspect the Ambulance Department of the station from time to time, but the immediate carrying out of directions shall be under the assistant foreman at the station.

#### AMBULANCE SERVICE AT THE EAST BOSTON RELIEF STATION.

The rules and methods prevailing in the Haymarket Square Relief Station ambulance service shall, so far as applicable, be effective in the East Boston Relief Station ambulance service.

## SPECIAL RULES FOR THE GOVERNMENT OF THE CONVALESCENT HOME.

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The department of the Boston City Hospital located on Dorchester avenue, in Dorchester, shall be known as the Convalescent Home, and shall receive such patients recovering from acute diseases as shall be transferred to it from the main hospital for treatment during convalescence.

The Superintendent of the Hospital shall, under the direction of the trustees, have the control and management of the Convalescent Home in the same manner as of other departments of the hospital.

The Superintendent shall appoint, subject to the approval of the trustees, a Matron, and shall employ, under their direction, such further assistants as may be necessary for the proper conduct and service of the home.

The Matron, under the direction of the Superintendent, shall have the immediate charge of the home and the control of all nurses and other employees and patients. She shall reside at the home.

### VISITORS.

Friends may be permitted to visit patients daily between three and four o'clock in the afternoon. In all cases the trustees, Superintendent and Matron may exercise discretionary powers as to excluding or admitting visitors.

Visitors shall leave the home and grounds at the expiration of the visiting hour, and shall visit no part of the home or grounds other than the reception room, except by permission from the proper authority.

No person shall give any article of food or drink to a patient unless by permission of the Matron.















