

26-509-ENM

154

THIRTEENTH BIENNIAL REPORT

\$6,500; underground heating, \$13,750; freight elevator, \$2,500; X-ray equipment, \$1,500; repairs, \$10,000; clearing land, \$4,000.

Respectfully submitted,

P. M. HALL, M. D.,

Superintendent.

Hospital for Crippled Children, St. Paul

Carl C. Chatterton, M. D. - - - - -	Surgeon-in-Chief
Wallace H. Cole, M. D. - - - - -	Assistant Surgeon-in-Chief
Elizabeth McGregor - - - - -	Superintendent
Grace Jones, D. D. S. - - - - -	Dentist
V. E. Heinecke - - - - -	Steward

Institution opened in 1911	
Capacity of institution -----	250
Area of grounds, acres -----	23
Value of lands and buildings -----	\$553,972.00
Value of personal property -----	57,875.00
Expenditures for year ended June 30, 1926:	
Current expense -----	\$162,680.19
Repairs and replacements -----	4,342.19
Permanent improvements -----	35,235.44
Miscellaneous -----	7,060.12
Gross per capita cost, current expense -----	716.65
Net per capita cost, current expense -----	712.96
Number of officers and employes -----	134

REPORT OF THE SURGEON-IN-CHIEF

To the State Board of Control:

Almost 30 years have elapsed since the first provision was made for the care of crippled children by the state and in the United States. The Minnesota legislature of 1897 granted in that year a small sum for the care of crippled indigent children of the state. Minnesota was the first state in the Union to so provide for its unfortunate children.

Thirty years ago the securing of an appropriation for a new and untried system was not an easy task. Unusual efforts of Arthur J. Gillette and others interested in this new but just cause brought action, and Minnesota was the first to give an appropriation. Other states were soon to follow and the past ten years have seen the building of schools and hospitals by the states and other organized societies at a rate without parallel.

The legislature of 1925, as a memorial to its founder, named the Minnesota institution The Gillette State Hospital for Crippled Children, recognizing Arthur J. Gillette's ability, interest and devotion to the crippled child.

MEDICAL SERVICE

The medical and surgical staff has increased materially in size since the latest report, and is made up of the various physicians and surgeons representing the specialties of medicine. Their service is given freely and without cost to the state. No other department of such size in the state is run through gratuitous service. Many hours of service are given at an actual loss to the attending physician. Coöperation and loyalty to the many unfortunates in the institution have always been the rule, and through this medium the institution enjoys its present success.

We thank the staff for its interest, loyalty and for many hours of service freely given which makes the success of the institution possible.

The resident medical and surgical staff is composed of graduate and undergraduate students, principally from the University of Minnesota.

The increase in size of the institution and the number of patients keeps well ahead of the number of men interested in special type of work. We suggest the establishment of fellowships with sufficient remuneration so at least two full-time physicians interested in orthopedic surgery and surgery of children could reside in the institution for a year.

DENTAL SERVICE

A half-time competent dentist has been in service with complete satisfaction, as reports show the care has been given at a time when it was most needed in the cure and prevention of disease.

PHYSIOTHERAPY AND OCCUPATIONAL THERAPY

This department has been overtaxed during the past two years and more workers are necessary because of the increase of numbers demanding such care. Many valuable suggestions in cases of deformities and the treatment of individual cases have come from this department, and the support and encouragement of good work done should continue.

SOCIAL SERVICE AND OUT-PATIENT CARE

This department has been able to work only a portion of the past two years and then in only a meager way. This department deserves enlargement, and if a sufficient number of field workers were to be had many children could leave the institution at a much earlier date because of visits and follow-up work by a trained social service worker. Financial status of many could be investigated, and other work of this type done by trained individuals would be of great value to the institution.

TRAINING SCHOOL FOR NURSES

The school for graduate and undergraduate nurses has been in operation nearly five years with satisfaction. Many both large and small hospi-

tals have sent nurses to our institution for training, and great benefit has been derived, especially by the nurses of small hospitals who would see very little of this type of work.

EDUCATION AND ENTERTAINMENT

The new Michael Dowling Memorial Hall, a model school of its kind, has been of great value in giving the residents of the Hospital suitable quarters in which to attend school. Many happy and useful hours are spent in this building, with both physical and mental improvement in the children who are fortunate enough to be able to attend school. Bedside instruction is extremely valuable to patients unable to attend school. This type of work has been carefully given with great benefit to patients, helping long hours to pass quickly and giving in many instances the preliminary education valuable to the physically handicapped.

Additional buildings would be valuable to many who are unable to attend public school and who now reside in the Hospital but are not in need of hospital treatment.

Many entertainments are given by individuals, luncheon clubs, newspapers, church societies and other sources, with great delight and benefit to the children.

CONCLUSION

I wish to express thanks to the many interested in this type of work for their kindness to the children and the Hospital staff.

The constant interest of the Board of Control has been of untold value, and great credit is due for their coöperation and guidance.

Respectfully submitted,

C. C. CHATTERTON, M. D.,
Sugeon-in-Chief.

REPORT OF THE SUPERINTENDENT

To the State Board of Control:

I submit herewith the biennial report of the Gillette State Hospital for Crippled Children for the period ended June 30, 1926.

POPULATION

The attendance has increased from an average of 200 patients a day to 233. The waiting list equals the number in the hospital. The time in the hospital has been reduced from 8 1/2 to 7 1/3 months as an average.

The epidemic of infantile paralysis in 1925 will supply patients for years to come. Very few have had treatment, and many are left with deformities.

EDUCATIONAL WORK

The work in this department has produced unprecedented results, largely on account of added rooms and equipment, making it possible to have the children under nearly normal conditions. The results could not have been obtained without the assistance of outside teachers, many giving from one-half to one full day a week to some special work with the children. We have had seven full-time teachers during the past year and from other sources have had instruction in dressmaking, drawing, needlework, French and University extension courses for bed-patients. We are strongly recommending that the educational department be given a special budget for entire support, in order to more accurately estimate hospital expenditures and the expenditures of the school in securing per capita cost. From the hospital point of view, teachers are not included; neither is the expense of the upkeep of the educational building. The importance of educational work for the physically handicapped has long been recognized. The range of possibilities has not been so generally known. Other hospitals carrying on school work have the support provided from educational funds or special appropriations for this purpose. We are asking that a budget be provided for this purpose, and especially that the provisions of Chapter 331, Laws of 1923, granting state aid to schools maintaining classes for crippled children be made applicable to this institution. We are in need of two more full-time teachers.

CONTRIBUTIONS

The unprecedented record of the past two years is most gratifying. Contributions from the St. Paul Daily News for Christmas, a Chevrolet car, candy, dolls, toys, fruit, ice cream, birthday cakes, Symphony tickets for children's concerts, automobile rides, tickets to the State Fair, contributions of theatres in sending entertainments, "The Student Prince," "Tony Sarg's Marionettes," tickets to "Shakespeare's Plays," "The Winnipeg Players," band concerts during the summer, moving pictures every Saturday, the annual Christmas party given by the state employes at the Capitol, Mrs. Gillette's annual picnic at White Bear, sewing done by the Masonic Women, the Junior League and Church Organization teachers furnished by the Junior League, religious instruction by the different denominations, picture books, magazines, radios for the whole hospital, playgrounds for the babies, shrubs, flowers, are only a part of what has been given us. It is through this coöperation and interest that we are able to get the results we do.

The estate of Eddie Mott will amount to about \$700.00 a year, and it is to be spent to provide the joy that he lacked and wanted so much.

BUILDINGS AND IMPROVEMENTS

The East Wing has been completed, which provided seven rooms for very sick patients and a ward for older girls, the operating suite on first floor and rooms for supervisors on the second floor. The ground floor remains to be finished as previously planned.

The Michael Dowling Memorial Hall has been completed and furnished during this period, and the splendid results of our educational department during the past year is evidence of the need filled by this wonderful building. It has in this short time been an inspiration to all who attend. The gratitude of the public for such a building is secondary only to that of the children who directly benefit from its use.

There is demand on the part of the public that more attention be given to beautifying our grounds, to filling in the unsightly area in the back, to more planting, and that more attention be given to the general upkeep. One yard man can not adequately care for 23 acres of park, take care of tree-trimming, planting, roads and walks. An increase in the appropriation for this purpose is asked to meet this need.

NEEDS OF THE INSTITUTION

Appropriations are requested for the following purposes: Improving grounds, \$4,000; nurses' home, \$50,000; completion of basement of new wing, \$10,000; remodeling old library, \$5,000; changes in Ward 8, \$850; new floors in east wing, \$3,000; cubicles in wards, \$1,000; sun porch for Ward 9, \$500; sun porch for quarantine wards, \$2,400; sun porch for Wards 2 and 3, \$6,000; cement floors in basement, \$800; new boiler and stoker, \$10,800; relining furnaces, \$600; repairing radiators, \$500; addition to refrigeration plant, \$1,000; furniture and equipment, \$10,000; laboratory and operating equipment, \$4,000; special appliances for patients, \$17,000; educational department, \$30,000; social service work, \$16,000; and repairs and betterments, \$8,000.

CONCLUSION

I wish to express our gratitude to the general public for their interest in the work as shown by their splendid coöperation and material help given us; to the staff and employes for their efficient services; to the members of the medical and surgical staff and the members of the Board of Control who through their support, counsel and coöperation have made the lives of so many happier while providing them with the ability and the desire to help and provide for themselves.

Respectfully submitted,

ELIZABETH MCGREGOR,
Superintendent.

Sanatorium for Consumptives—Concluded

Classification	Year Ended June 30, 1926			Year Ended June 30, 1925		
	Male	Female	Total	Male	Female	Total
OCCUPATION—Concluded						
Domestic and Personal Service—Concluded:						
Doorkeepers, elevator tenders, and porters -----	2	---	2	---	---	---
Janitors -----	---	---	---	1	---	1
Others in this class -----	---	10	10	5	10	15
Miscellaneous:						
Accountants, bookkeepers, and cashiers, -----	2	2	4	3	2	5
Clerks (not salespeople) -----	9	5	14	15	3	18
Stenographers and typists -----	---	3	3	3	8	11
Students -----	14	30	44	15	14	29
Laborers (not specified) -----	20	---	20	20	---	20
Unclassifiable -----	---	---	---	1	---	1
Total admissions -----	160	137	297	183	97	280
CONDITION ON DISCHARGE						
Admitted as incipient:						
Apparently arrested -----	45	36	81	61	39	100
Quiescent -----	26	25	51	17	14	31
Improved -----	---	8	8	1	5	6
Unimproved -----	4	5	9	4	2	6
Died -----	1	---	1	---	2	2
Admitted as moderately advanced:						
Apparently arrested -----	11	2	13	10	---	10
Quiescent -----	28	15	43	42	16	58
Improved -----	3	2	5	3	3	6
Unimproved -----	8	9	17	10	6	16
Died -----	6	2	8	2	1	3
Admitted as far advanced:						
Quiescent -----	14	3	17	6	3	9
Improved -----	---	1	1	1	---	1
Unimproved -----	12	4	16	3	2	5
Died -----	8	1	9	7	9	16
Non-tuberculous -----	3	6	9	4	6	10
Total discharged and died -----	169	119	288	171	108	279
OCCURRENCE OF HEMORRHAGE IN PATIENTS DISCHARGED						
Had hemorrhage prior to admission but not during residence -----	45	23	68	51	26	77
Had hemorrhage during residence -----	12	7	19	13	9	22
No history of hemorrhage at any time -----	112	89	201	106	73	179
No information -----	---	---	---	1	---	1
Total discharged and died -----	169	119	288	171	108	279
SPUTUM EXAMINATION OF PATIENTS DISCHARGED						
Bacilli prior to admission but not during residence -----	27	13	40	25	6	31
Bacilli during residence -----	83	46	129	71	48	119
No bacilli at any time -----	59	60	119	50	48	98
No examination or no sputum -----	---	---	---	25	6	31
Total discharged and died -----	169	119	288	171	108	279
Bacilli on discharge -----	61	39	100	50	34	84
No bacilli on discharge -----	108	80	188	121	74	195
Total discharged and died -----	169	119	288	171	108	279

Gillette State Hospital for Crippled Children

Classification	Year Ended June 30, 1926			Year Ended June 30, 1925		
	Male	Female	Total	Male	Female	Total
POPULATION						
In institution at beginning of year-----	96	125	221	99	97	196
Admitted-----	119	133	252	119	119	238
Transferred from out-patient department,	56	69	125	59	51	110
Total under care -----	<u>271</u>	<u>327</u>	<u>598</u>	<u>277</u>	<u>267</u>	<u>544</u>
Discharged -----	---	---	---	1	---	1
Died -----	3	4	7	8	6	14
Transferred to out-patient department---	160	198	358	172	136	308
In institution at end of year -----	<u>108</u>	<u>125</u>	<u>233</u>	<u>96</u>	<u>125</u>	<u>221</u>
Average population -----	<u>105</u>	<u>122</u>	<u>227</u>	<u>103</u>	<u>107</u>	<u>210</u>
Admitted as out-patient -----	<u>30</u>	<u>28</u>	<u>58</u>	<u>33</u>	<u>37</u>	<u>70</u>
AGE GROUP						
Under 1 year -----	7	9	16	6	3	9
1 year -----	11	8	19	5	7	12
2 years -----	10	9	19	8	8	16
3 years -----	11	11	22	8	12	20
4 years -----	8	12	20	7	9	16
5 to 7 years -----	22	23	45	23	27	50
8 to 10 years -----	19	23	42	27	21	48
11 to 13 years -----	18	28	46	22	29	51
14 to 16 years -----	25	24	49	29	32	61
17 to 20 years -----	17	13	30	17	7	24
21 years and over -----	1	1	2	---	1	1
Total admissions -----	<u>149</u>	<u>161</u>	<u>310</u>	<u>152</u>	<u>156</u>	<u>308</u>
NATIVITY						
United States -----	137	153	290	146	147	293
Australia -----	1	---	1	---	---	---
Austria -----	5	5	10	---	---	---
Canada (Includes Newfoundland) -----	---	---	---	1	---	1
England -----	1	---	1	---	---	---
Europe (Not otherwise specified) -----	---	---	---	---	2	2
Finland -----	1	---	1	2	2	4
Holland -----	---	---	---	---	1	1
Italy -----	---	1	1	2	3	5
Mexico -----	---	1	1	---	---	---
Norway -----	2	---	2	---	---	---
Poland -----	1	---	1	---	1	1
Russia -----	1	1	2	1	---	1
Total admissions -----	<u>149</u>	<u>161</u>	<u>310</u>	<u>152</u>	<u>156</u>	<u>308</u>
PARENTAGE						
Native parentage -----	104	110	214	96	85	181
Mixed parentage -----	25	22	47	20	16	36
Foreign parentage -----	20	29	49	31	52	83
Parentage unknown -----	---	---	---	5	3	8
Total admissions -----	<u>149</u>	<u>161</u>	<u>310</u>	<u>152</u>	<u>156</u>	<u>308</u>
CONDITION ON TRANSFER TO OUT-PATIENT DEPARTMENT						
Cured -----	7	6	13	28	10	38
Improved -----	143	179	322	134	110	244
Unimproved -----	---	4	4	9	8	17
Untreated -----	10	9	19	2	8	10
Total -----	<u>160</u>	<u>198</u>	<u>358</u>	<u>173</u>	<u>136</u>	<u>309</u>

Gillette State Hospital for Crippled Children—Continued

Classification	Year Ended June 30, 1926			Year Ended June 30, 1925		
	Male	Female	Total	Male	Female	Total
DURATION OF STAY OF PATIENTS						
Less than 3 months -----	62	68	130	72	37	109
3 to 5 months -----	37	60	97	41	26	67
6 to 12 months -----	44	46	90	33	46	79
1 year but less than 2 -----	12	19	31	17	21	38
2 years but less than 3 -----	1	4	5	7	7	14
3 years or more -----	7	5	12	11	5	16
Total -----	163	202	365	181	142	323

OPERATIONS FROM JULY 1, 1924, TO JUNE 30, 1926

Adenoidectomy -----	20	Osteoclasia -----	6
Amputation -----	4	Osteotomy -----	30
Ankylosis of knee -----	2	Plastic operation on hand -----	4
Appendectomy -----	6	Reduction of dislocated shoulder -----	5
Application of Steinman pins -----	11	Reduction of fracture -----	9
Arthrodesis -----	45	Reduction of congenital hip -----	52
Astragelectomy -----	16	Removal of cyst -----	1
Etiopsy -----	1	Removal of drain -----	1
Circumcision -----	11	Removal of foreign body from ear canal, -----	1
Correction of strabismus -----	1	Removal of hydrocele -----	1
Curettement of bone abscess -----	5	Removal of needle -----	2
Decompression of spine -----	1	Repair harelip -----	1
Ectropion of eye -----	1	Repair cleft palate -----	10
Esophagoscopy -----	1	Resection of knee -----	2
Exploratory operations -----	4	Sequestrectomy -----	33
Fusion of spine -----	6	Skin graft -----	10
Herniectomy -----	4	Soutter operation -----	8
Incision and drainage -----	13	Spina bifida -----	1
Laminectomy -----	1	Stripping of os calcis -----	6
Manipulation -----	105	Tendon transference -----	35
Mastoidectomy -----	4	Tenotomies -----	58
Myotomies -----	4	Tonsillectomies -----	15
Needling of eyes -----	1	Tonsillectomies and adenectomies -----	263
Nephrectomy -----	1	Tracheotomy -----	1
Neurectomy -----	10	Transplantation of scapula -----	1
Open reduction of congenital hip -----	9		

BRACES AND APPLIANCES FROM JULY 1, 1924, TO JUNE 30, 1926

Jackets new -----	134	Braces repaired and adjusted -----	424
Jackets repaired or changed -----	119	Shoe work, changes and repairs -----	966
Braces new -----	370	Artificial limbs furnished -----	10

LABORATORY AND X-RAY WORK FROM JULY 1, 1924, TO JUNE 30, 1926

Urinalysis -----	5,806	Blood sugar -----	18
Cultures -----	3	Blood urea -----	18
Guinea -----	4	Non-protein nitrogen -----	18
		Creatinin -----	18
		Uric acid -----	18
Blood Examinations:		Tissues:	
Red blood count -----	854	Gross -----	32
White blood count -----	924	Microscopic -----	20
Differential -----	482		
Hemoglobin -----	1,106	Spinal Fluids:	
Coagulation time -----	378	Cell count -----	16
Bleeding time -----	339	Colloidal gold -----	16
Wassermanns -----	578	Cultures -----	11
Widal -----	9	Globulin -----	11
Cultures -----	11	Wassermann -----	16
Chemistry -----	18		

Gillette State Hospital for Crippled Children—Concluded

LABORATORY AND X-RAY WORK—Concluded

Gastric analysis -----	6	Von Pirquet -----	579
Stool examinations -----	17	Manteau -----	285
Smears -----	325	Antitoxin for diphtheria -----	40
Animal inoculations -----	38	Scarlet toxin -----	409
Vaccines -----	1,574	Toxin Antitoxin -----	600
Nose and throat cultures -----	9,069	Schick -----	889
Basal metabolism -----	5	Dick -----	649
Autopsies -----	15	Dressings -----	46,500
X-Ray Department:		Artificial eyes furnished -----	5
Radiographic examinations -----	1,490	Glasses furnished -----	61
Fluoroscopic -----	6	Glasses repaired -----	45
X-ray therapy -----	40		
Photographs -----	352		

DENTAL WORK FROM JULY 1, 1924, TO JUNE 30, 1926

Patients treated -----	922	Pyorrhea treatments -----	102
Prophylaxis -----	1,759	Partial dentures -----	2
Amalgam fillings -----	1,191	Orthodontia cases -----	6
Cement fillings -----	443	Orthodontia visits -----	135
Synthetic porcelain fillings -----	257	Bridges -----	3
Extraction deciduous teeth -----	312	Crowns -----	1
Extraction permanent teeth -----	109		

MISCELLANEOUS FROM JULY 1, 1924, TO JUNE 30, 1926

Plaster dressings applied -----	3,882	Physiotherapy treatments -----	18,547
Plaster models made -----	185	Heliotherapy treatments -----	56,730

Control Board Biennial Report

M 360 C 76 U. 13

119 C 3 7 B
