

## 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

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### *Institution opened in 1911*

Capacity of institution -----	250
Area of grounds, acres -----	23
Value of lands and buildings -----	\$ 582,337.00
Value of personal property -----	50,511.00

### *Expenditures for year ended June 30, 1930:*

Current expense -----	\$ 179,591.51
Repairs and replacements -----	12,391.93
Permanent improvements -----	9,321.11
Miscellaneous -----	10,961.72
Gross per capita cost, current expense -----	791.15
Net per capita cost, current expense -----	790.92
Number of officers and employees -----	159

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### *To the State Board of Control:*

The amount of work at the Gillette State Hospital for Crippled Children is yearly increasing and, because of advances in the art of caring for the individual who is suffering from disease or injury producing deformity, the individual is leaving the institution better equipped to compete with normal individuals and more able to become self-supporting than ever before.

The institution has become so large, the character of the work so specialized, that it is impossible for any one individual to care successfully and to the best advantage for all the types of deformities and diseases that come. This is done, however, by various physicians and surgeons especially interested in certain fields of medicine and surgery, and to the staff as a whole the credit of such a report of work done is due.

I wish to thank the many physicians of the staff for their willingness and cooperation, who, without thought of remuneration and with financial loss to themselves, have made such a record and report possible.

Year by year the practice of medicine and surgery becomes more socialized, more specialized and more difficult. It is now less easy to interest the average specialist in a charitable service in any institution without some financial return.

I strongly recommend that your Honorable Board investigate similar institutions and ask the next legislature for some financial return to those who in the past years and in the future will give so freely of their time, knowledge and skill to the hospital.

Cooperation of the physicians and surgeons in the community in which the deformed child lives has always been commendable. I wish to thank them for their accuracy in filling out the application blank, which at times is the only history of the case available when the patient is admitted to the institution.

#### HOUSE STAFF

Our experience in the last two years, having a paid resident, has been very satisfactory. Rotation of internes from institutions in the Twin Cities has proved only relatively satisfactory, and inasmuch as it is impossible to secure *internes or resident* without a salary, the *present arrangement should continue.*

#### RESIDENT DENTIST

Service of the resident part-time dentist, who has taken care of not only hospital patients, but many in the Out-patient Department, has proved entirely satisfactory, as the inclosed report shows. I certainly recommend the continuation of a part-time paid resident dentist.

#### PHYSIOTHERAPY AND MECHANOTHERAPY DEPARTMENTS

Among the aids in treatment, physiotherapy and mechaniotherapy have played the most important part in the past few years. The present staff have been most helpful in their care and suggestion in treatment, and I can but thank them for their devotion to the institution and patients.

#### SCHOOL INSTRUCTION

School instruction to patients is of great value, not only because of mental training but many long hours, otherwise wasted, are saved by such training, and the joy of learning and occupation are most beneficial. Many children leave the institution, even though they have been bed patients for months, with no loss of credit as far as their school work is concerned.

#### SOCIAL SERVICE DEPARTMENT

The need of a complete social service department is extremely felt, as recommended two years ago. Further investigation of the financial condition, as before admission, is necessary in conjunction with the present investigation made by the Board of Control. Supervision upon leaving the institution is still a necessity. While we feel that the patients coming to the Gil-

lette State Hospital are practically, in every instance, indigent, further investigation, I believe, is necessary if we expect to avoid abuse of the institution by patients able to pay.

#### OUT-PATIENT DEPARTMENT

The Out-patient Department has been very active during the past two years and more children come for inspection and treatment than in the past, leaving beds in the hospital for those who are unable to come and go, or those that require hospital care.

#### NEEDS OF THE INSTITUTION

The needs of the institution have been very carefully enumerated by Miss McGregor, Superintendent.

#### CONCLUSION

For the entire staff I wish to thank the Board of Control for their special interest, guidance and thought in helping the progress of the Gillette State Hospital and the care of the indigent crippled of our state.

Respectfully submitted,

CARL C. CHATTERTON,

Chief of Staff.

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### REPORT OF THE SUPERINTENDENT

*To the State Board of Control:*

The following report is respectfully submitted for the biennial period ended June 30, 1930:

#### POPULATION

There has been a slight increase in the daily average during this period. The time in the hospital has averaged seven-plus months. The waiting list on this date is 248.

#### EDUCATIONAL WORK

A nine months' term with three months' summer school continues to be our yearly school program. The floating population, resultant from weekly admittances and discharges, keeps the school staff awake to the fact that every minute of the time the children spend in school must be counted most importantly. The children may turn to their school work daily after all hospital departments are through with them. With this handicap of time, due to rest hours, medications, dressings, sun treatments, physiotherapy, dentist, x-rays, operations and postoperative care, the school department looks with gratitude and pride upon all successful accomplishments of the children.

The June, 1930, report of the State Board of Examinations credits the school with 69 junior and senior high school subjects passed successfully. Credits earned honestly mean much thought, study and happiness to hospital patients.

Solomon's Temple, of last year's work, has seemed to be one of our outstanding projects. It shows true, friendly cooperation of five departments: occupational therapy, library, English, mathematics and Sunday School. Soap, wood, clay, cement, plaster and brass all mingled to construct the Temple. The project has received much admiration. From the work done in soap carving two students won scholarship in the Art School. Another very worth while project has been the large puppet stage. A disappearing orchestra pit, the electric wiring, the framework, stage drops and decorative work have been done entirely by the students. A coffee project by the intermediate grade children will show coffee from the plantation to its finished product. This will include much geographical history before the work is completed.

Summer school shows variations of work from year to year. Nature study classes of last year made intensive studies of all trees, shrubs and plants found on the school grounds. This summer tap dancing finds children eager for lessons. Social dancing follows second. Cooking classes have more applicants daily. Piano lessons and the Art of Whistling keep other students busy. Time must always be found for the old favorite games of baseball, tennis and volley ball. Outdoor dramatization through library channels will be featured this summer. Occupational therapy and shop work, without which the children would feel unsatisfied, complete the program.

The Trade Dressmaking course has been given each year over the biennial period. Eight students have been enrolled.

A weekly newspaper, edited by the primary children, kept the school in touch with the latest news of our own world.

An afternoon tea gathering of about 20 girls who had been patients formed the nucleus of the first alumni meeting. The gracious feeling of appreciation and thought for the hospital by these former patients can not but help to form a splendid alumni.

#### TRAINING SCHOOL FOR NURSES

The responsibility of this School of Nursing is, first, the care of the patients and, second, the instruction of the students who come to us—for two, three or four months, depending upon the school needs—from accredited schools affiliated in Minnesota and other states.

Yearly the interest and demand for graduate nurses who have been instructed in this field grows, and we are happy to contribute toward its further advancement.

The increasing success of this school is maintained through the unflinching interest and cooperation of the entire orthopedic and pediatric staff who give freely of their time for lectures, demonstrations and bedside clinics throughout each year, including the summer months; of the dentist who through her lectures on oral hygiene and her time spent in giving personal instructions to our students, not only on the care of the child's mouth and teeth, but also on the care of their own; of the dietitian for her painstaking preparation and supervision of the work of our students in this department; the physiotherapists through their lectures, demonstrations and their instructions in swimming; to the hospital and children's librarians for their interest and for the instruction of the students in the value of books and book selection in the children's hospitals and in the home. Not the least of our success is due to the direct example and close supervision of the graduate nurse of each ward in which the student is placed who, consciously or unconsciously, acts as a model after which the student patterns her work and her attitude of approach to her work. Bearing this in mind, we endeavor to secure and maintain only nurses of a very high caliber of fitness for undertaking this type of child nursing. Only women whose example the student both on and off duty may strive to follow are retained.

#### IMPROVEMENTS

A new x-ray vault has been built, which is large enough to store safely the ex-rays for the hospital for many years to come.

New electric outlets have been put into wards as required for safety.

The machinery in the bakery has been overhauled and obsolete machinery replaced.

A new dishwashing machine was purchased during this period.

The sterilizer for mattresses has been moved from the basement of Ward 8 to the boiler room as a safety measure.

The patients' mattresses and beds throughout the hospital have been renovated and enameled.

Eighteen cubicles have been added to the wards.

The brace shop has been completed, and we are now making all the braces and appliances. This will reduce the days in the hospital as the braces will be gotten out more promptly than when we had to send them out to be made.

Painting walls and ceilings, refinishing floors, repairing plaster and screens, is routine work and takes the full time of one man.

There was an appropriation for special work on the grounds for the years 1929-30, and the west end of the property was graded and planted. The result of this work has been very satisfactory. However, there was no

appropriation for the care of the grounds for 1930-31, and any improvements and care for this year must be made from our support fund.

#### NEEDS OF THE INSTITUTION

Appropriations are requested as follows: Curbing and sewers, \$900; paving, \$1,000; improving grounds, \$4,000; nurses' home, \$91,800; completion east wing, \$10,000; sun room, \$6,000; cement platform, \$1,500; poultry house, etc., \$1,600; addition to greenhouse, \$1,000; cubicles, \$1,500; generator, \$17,200; ice machine, \$3,000; steel doors and frames, \$500; water softener, \$4,000; heat control and humidifier, \$3,000; power plant repairs, \$1,000; laundry equipment, \$500; repairs Dowling Hall, \$2,000; repairs and betterments, \$8,000; electric clocks, \$750; furniture and equipment, \$8,000; equipment nurses' home, \$7,500; equipment east wing, \$3,000; laboratory and operating equipment, \$4,000; brace-making shop, \$18,000; instruction and amusement, \$4,000; library, \$500; social service work, \$12,000; and current expense, \$360,000.

#### GIFTS, BEQUESTS AND DONATIONS

The estate left by E. J. Seitz has been settled and the amount left to this hospital has been turned over to the state. The property, valued at about \$42,000.00, will be available for permanent improvement in the near future.

Henry Hovey Dickey left \$2,000.00, which, with the legacy from Herman Benz of \$2,500.00, will be used for additional treatment rooms.

The Saint Paul Daily News collected and gave to the hospital \$1,869.-18 in 1928 and \$2,003.00 in 1929.

The income from the State Editors Association and the State Bankers Association endowment was used in 1928 and 1929 for tuition for Harold Langmo, a senior in the Department of Journalism at the University of Minnesota, and in 1929 and 1930 for supplies for the students attending the Art School in St. Paul.

The State Fair Board gave tickets of admission each year to all children able to attend the State Fair.

The State Capitol employes gave their annual Christmas parties, with gifts to all the children of the hospital.

The Masonic Women continue to mend and sew for the children, subscribe for new magazines and furnish entertainment.

The Ramsey County Medical Auxiliary mends, sews, does book-binding, furnishes entertainment through story-telling, assists in teaching and has given new and used garments for the use of the children.

The St. Paul Junior League makes new garments and assists in the Out-patient Department.

The patrons of the Children's Symphony in St. Paul furnish tickets to the Children's Symphony, with transportation.

The Schubert Club furnishes musical entertainment at intervals throughout the year.

P. W. Herzog continues to send his car at regular intervals to take the children riding.

Theaters, bands, churches and individuals give so generously that all available time for entertainment is taken weeks in advance.

The Dome Club sews and mends and furnishes many useful garments.

These and many other organizations and individuals give of their efforts and show their desire to help in countless ways.

#### CONCLUSION

I wish to express gratitude to all those who help to bring happiness and encouragement to the children of this hospital; to the staff and employes for their continued loyalty and efficient service; to the medical and surgical staff whose untiring efforts and continued interest make the hospital possible; and to the Board of Control whose interest, support and vision for future progress are a constant incentive for all to put forth their best efforts and to give the best service possible in every department.

Respectfully submitted,

ELIZABETH MCGREGOR,

Superintendent.

### III. STATISTICS OF INSTITUTIONS

Age, Marital Condition, Nativity and Parentage of Persons  
Admitted to State Institutions

Classification	Year Ended June 30, 1930			Year Ended June 30, 1929		
	Male	Female	Total	Male	Female	Total
<b>AGE GROUP</b>						
Under 10 years	263	168	431	235	148	383
10 to 14 years	205	114	319	195	111	306
15 to 19 years	408	197	605	402	211	613
20 to 24 years	404	123	527	335	107	442
25 to 29 years	265	91	356	247	119	366
30 to 34 years	206	109	315	205	113	318
35 to 39 years	183	113	296	200	124	324
40 to 44 years	167	90	257	196	96	292
45 to 49 years	126	71	197	164	74	238
50 to 54 years	119	60	179	115	60	175
55 to 59 years	93	49	142	88	55	143
60 to 64 years	91	37	128	58	31	89
65 to 69 years	65	38	103	75	30	105
70 to 74 years	66	18	84	54	27	81
75 to 79 years	42	17	59	47	16	63
80 years and over	39	21	60	30	26	56
Age unknown	10	4	14	7	5	12
Total admissions	<u>2,752</u>	<u>1,320</u>	<u>4,072</u>	<u>2,653</u>	<u>1,353</u>	<u>4,006</u>
<b>MARITAL CONDITION</b>						
Single	1,800	746	2,546	1,742	757	2,499
Married	673	420	1,093	676	409	1,085
Widowed	130	101	231	108	125	233
Separated	57	17	74	27	17	44
Divorced	73	31	104	87	41	128
Unascertained	19	5	24	13	4	17
Total admissions	<u>2,752</u>	<u>1,320</u>	<u>4,072</u>	<u>2,653</u>	<u>1,353</u>	<u>4,006</u>
<b>NATIVITY</b>						
United States	2,279	1,114	3,393	2,172	1,124	3,296
Asia (not otherwise specified)	9	---	9	---	---	---
Australia	---	---	---	1	---	1
Austria	24	3	27	20	9	29
Belgium	2	---	2	---	2	2
Bohemia	---	2	2	3	4	7
Canada (includes Newfoundland)	37	17	54	33	17	50
China	1	---	1	1	---	1
Cuba	---	---	---	---	---	1
Czechoslovakia	2	2	4	6	6	12
Denmark	17	5	22	10	6	16
England	12	2	14	10	4	14
Europe (not otherwise specified)	6	---	6	1	---	1
Finland	39	11	50	34	17	51
France	3	1	4	3	2	5
Germany	38	33	71	52	37	89
Greece	1	---	1	5	---	5
Hawaii	---	1	1	---	---	---
Holland	---	3	3	3	1	4
Hungary	3	2	5	4	4	8
Ireland	8	4	12	12	3	15
Italy	8	1	9	8	2	10
Japan	---	---	---	5	---	5
Lithuania	1	---	1	---	1	---
Mexico	12	---	12	2	---	8
Norway	71	40	111	78	36	114
Philippine Islands	2	---	2	1	---	1
Poland	15	10	25	25	8	33
Roumania	1	2	3	3	---	3
Russia	19	5	24	14	7	21
Scotland	---	2	2	8	2	10
Spain	1	---	1	---	---	---



## Sanatorium for Consumptives—Concluded

Classification	Year Ended June 30, 1930			Year Ended June 30, 1929		
	Male	Female	Total	Male	Female	Total
<b>OCCUPATION (Concluded)</b>						
<b>Miscellaneous:</b>						
Accountants, bookkeepers and cashiers	2	2	2	1	3	3
Clerks (not salespeople)	19	5	24	6	7	13
Stenographers and typists	4	4	4	1	7	8
Students	16	26	42	13	26	39
Laborers (not specified)	22	22	22	16	16	16
Others in this class	7	1	8			
Unclassifiable	1		1	2		2
<b>Total admissions</b>	<b>142</b>	<b>115</b>	<b>257</b>	<b>137</b>	<b>128</b>	<b>265</b>
<b>CONDITION ON DISCHARGE</b>						
<b>Admitted as incipient:</b>						
Apparently arrested	25	22	47	33	41	74
Quiescent	14	16	30	14	14	28
Improved				1	1	2
Unimproved	3	2	5	7	10	17
Died					1	1
<b>Admitted as moderately advanced:</b>						
Apparently arrested	6	3	9	8	4	12
Quiescent	35	21	56	24	13	37
Improved	1	9	10	3	4	7
Unimproved	7	11	18	18	17	35
Died	5	3	8	4		4
<b>Admitted as far advanced:</b>						
Apparently arrested				1		1
Quiescent	20	10	30	8	1	9
Improved	2	4	6			
Unimproved	8	3	11	9	5	14
Died	11	10	21	6	15	21
Non-tuberculous				1	2	3
<b>Total discharged and died</b>	<b>137</b>	<b>114</b>	<b>251</b>	<b>137</b>	<b>128</b>	<b>265</b>
<b>OCCURRENCE OF HEMORRHAGE IN PATIENTS DISCHARGED</b>						
Had hemorrhage prior to admission but not during residence	37	26	63	33	25	58
Had hemorrhage during residence	19	14	33	16	9	25
No history of hemorrhage at any time	80	74	154	88	93	181
No information	1		1		1	1
<b>Total discharged and died</b>	<b>137</b>	<b>114</b>	<b>251</b>	<b>137</b>	<b>128</b>	<b>265</b>
<b>SPUTUM EXAMINATION OF PATIENTS DISCHARGED</b>						
<b>Bacilli prior to admission but not during residence</b>						
Bacilli during residence	17	10	27	18	6	24
Bacilli during residence	70	62	132	70	66	136
No bacilli at any time	44	35	79	49	56	105
No examination or no sputum	6	6	12			
<b>Total discharged and died</b>	<b>137</b>	<b>114</b>	<b>251</b>	<b>137</b>	<b>128</b>	<b>265</b>
<b>Bacilli on discharge</b>						
Bacilli on discharge	43	34	77	49	53	102
No bacilli on discharge	94	80	174	88	71	159
No information					4	4
<b>Total discharged and died</b>	<b>137</b>	<b>114</b>	<b>251</b>	<b>137</b>	<b>128</b>	<b>265</b>

## Gillette State Hospital for Crippled Children

Classification	Year Ended June 30, 1930			Year Ended June 30, 1929		
	Male	Female	Total	Male	Female	Total
<b>POPULATION</b>						
In institution at beginning of year ----	110	131	241	120	130	250
Admitted -----	125	127	252	91	72	163
Transferred from out-patient department -----	82	91	173	94	84	178
<b>Total under care -----</b>	<b>317</b>	<b>349</b>	<b>666</b>	<b>305</b>	<b>286</b>	<b>591</b>
Discharged -----	1	3	4	2	3	5
Died -----	5	2	7	4	2	6
Transferred to out-patient department -----	198	215	411	189	150	339
In institution June 30 -----	115	129	244	110	131	241
<b>Average population -----</b>	<b>110</b>	<b>117</b>	<b>227</b>	<b>113</b>	<b>125</b>	<b>238</b>
Admitted as out-patients -----	27	23	50	29	10	39
<b>AGE GROUP</b>						
Under 1 year -----	12	5	17	8	8	16
1 year -----	9	10	19	7	3	10
2 years -----	13	9	22	8	4	12
3 years -----	15	12	27	7	2	9
4 years -----	4	8	12	6	8	14
5 to 7 years -----	21	23	44	23	10	33
8 to 10 years -----	29	27	56	20	12	32
11 to 13 years -----	19	20	39	19	14	33
14 to 16 years -----	17	18	35	11	14	25
17 to 20 years -----	10	13	23	10	7	17
21 years and over -----	8	5	8	1	---	1
<b>Total admissions -----</b>	<b>152</b>	<b>150</b>	<b>302</b>	<b>120</b>	<b>82</b>	<b>202</b>
<b>NATIVITY</b>						
United States -----	143	143	286	115	79	194
Austria -----	---	---	---	2	---	2
Canada (Includes Newfoundland) -----	1	---	1	---	---	---
Finland -----	---	---	---	---	1	1
Germany -----	1	3	4	---	---	---
Italy -----	1	---	1	---	---	---
Mexico -----	3	---	3	1	1	2
Poland -----	1	---	1	1	1	2
Roumania -----	---	---	---	1	---	1
Russia -----	2	---	2	---	---	---
Yugoslavia -----	---	4	4	---	---	---
<b>Total admissions -----</b>	<b>152</b>	<b>150</b>	<b>302</b>	<b>120</b>	<b>82</b>	<b>202</b>
<b>PARENTAGE</b>						
Native parentage -----	113	107	220	76	51	127
Mixed parentage -----	14	14	28	22	13	35
Foreign parentage -----	25	29	54	22	18	40
<b>Total admissions -----</b>	<b>152</b>	<b>150</b>	<b>302</b>	<b>120</b>	<b>82</b>	<b>202</b>
<b>CONDITION ON TRANSFER TO OUT-PATIENT DEPARTMENT</b>						
Cured -----	10	12	22	9	7	16
Improved -----	175	199	374	169	138	307
Unimproved -----	3	2	5	7	4	11
Untreated -----	9	5	14	4	4	8
Died -----	5	2	7	4	2	6
<b>Total -----</b>	<b>202</b>	<b>220</b>	<b>422</b>	<b>193</b>	<b>155</b>	<b>348</b>
<b>DURATION OF STAY OF PATIENTS</b>						
Less than 3 months -----	89	61	150	66	39	105
3 to 5 months -----	50	55	105	35	38	73
6 to 12 months -----	35	60	95	62	52	114
1 year but less than 2 -----	16	29	45	24	20	44
2 years but less than 3 -----	7	8	15	2	1	3
3 years and over -----	5	7	12	4	5	9
<b>Total -----</b>	<b>202</b>	<b>220</b>	<b>422</b>	<b>193</b>	<b>155</b>	<b>348</b>

## Gillette State Hospital for Crippled Children—Continued

Classification	Year Ended June 30, 1930			Year Ended June 30, 1929		
	Male	Female	Total	Male	Female	Total
OPERATIONS FROM JULY 1, 1928, TO JUNE 30, 1930						
Adenoidectomy			4			2
Amputation			7			11
Appendectomy			4			2
Arthrodesis	114					9
Arthroscopy			3			50
Arthroplasty			2			5
Biopsy			4			8
Blood transfusion			5			7
Bone block			22			8
Capsulotomy			8			5
Circumcision			11			9
Cleft palate repair			7			1
Cleft palate			13			3
Contracture burn			1			2
Contracture scar			1			
Correction for subluxation			3			1
Cystoscopy			3			28
Dissection of forearm for Volkman's ischaemic paralysis			2			1
Division of sternocleidomastoid			1			2
Division of ulnar nerve			1			1
Drainage of abscess			14			4
Excision—scar tissue			8			
Exploratory operation			5			1
Extraction of teeth			149			1
Fasciotomy			4			13
Fracture for correction of anterior bowing			1			4
Fusion of hip			6			19
Fusion of spine			20			11
Herniotomy			1			4
Incision and drainage			18			4
Insertion of Steinman pin			9			2
Laminectomy			2			21
Laparotomy exploratory			1			2
Lengthening of hand strings			3			30
Lengthening of heel cords			3			2
Lengthening of tendo Achillis			8			29
Manipulations			60			104
Mastoidectomy			4			5
Modified Albee			1			1
Myotomy			3			
Needling eye for cataract						2
Neurectomy						11
Open lengthening of leg						2
Osteoclasia						9
Osteotomy						50
Osteomyelitis radical operation						5
Paracentesis						8
Plastic repair						7
Reduction of fracture						8
Reduction of hip—closed						5
Reduction of hip—open						9
Reduction of radius						1
Removal of foreign body						3
Removal of opaque lens capsule						2
Removal of osteochondromata from ulna						1
Removal of sequestrae						28
Removal of spina bifida						1
Removal of Steinman pins						2
Removal of supernumerary toes						1
Resection of knee						4
Resection of obturator nerve; division of adductor longus and lengthening tendo Achillis						1
Resection of submucous nasal septum						1
Shelving operation hip (Albee)						13
Skin graft						4
Soutter fasciotomy and tendon transference						19
Spinal graft						11
Straightening hammer toes						4
Stripping of os calcis						4
Sympathectomy periarterial						2
Tendon transference						21
Tonodesis						2
Tonotomy						30
Thyroidectomy						2
Tonsillectomy						29
Tonsillectomy and adenoidectomy						104
Torticollis corrected						5
Transfer of biceps to the patella						1

## BRACES AND APPLIANCES FROM JULY 1, 1928, TO JUNE 30, 1930

Spencer corsets	18	Braces repaired and adjusted	615
Spencer corsets repaired and adjusted	12	New special apparatus	34
Thomas splints	5	Artificial limbs	12
Special shoes	58	Artificial limbs repaired and adjusted	20
Shoes repaired and adjusted	1,140	Artificial eyes furnished	8
New jackets	107	Glasses furnished	124
Jackets repaired and adjusted	112	Glasses repaired	128
New braces	619		

## DENTAL WORK FROM JULY 1, 1928, TO JUNE 30, 1930

Number of patients treated	1,063	Number of extractions:	
Number of prophylaxis	1,903	Deciduous teeth	294
Number of fillings:		Permanent teeth	71
Amalgam	1,004	Number of orthodontia cases	5
Cement	260	Number of orthodontia visits	60
Synthetic porcelain	361	Number of crowns	2
Number of pyorrhea treatments	66	Number of partial plates	1

## Gillette State Hospital for Crippled Children—Concluded

## X-RAY AND LABORATORY WORK FROM JULY 1, 1928, TO JUNE 30, 1930

Urinalysis -----	8,720	Vaccines:	
Blood Examinations:		Comb. sc. fever and diphtheria-----	784
Hemoglobin -----	1,531	Triple typhoid -----	19
Red blood count -----	1,258	Typhoid -----	24
White blood count -----	1,410	Smallpox -----	411
Differential -----	617	Diphtheria -----	43
Coagulation time -----	926	Scarlet fever -----	237
Blood matching -----	6	Pertussin -----	460
Bleeding time -----	216	Antitetanus -----	2
Blood grouping -----	57	Antitoxins:	
P. S. P. tests -----	2	Toxin antitoxin -----	31
Platelet count -----	3	Antitoxin -----	56
Pen examinations -----	11	Scarlet toxin -----	662
Wassermans -----	857	Tetanus antitoxin -----	3
Widal -----	15	Diphtheria toxin -----	94
Blood cultures:		Comb. sc. fever and diphtheria-----	468
Blood chemistry -----	20	Foreign protein vaccines -----	44
Blood tolerance -----	1	Foreign protein antitoxins-----	40
Blood calciums -----	9	Sinus cultures -----	9
Blood sugar -----	2	Exudates:	
Tissues:		Nose and throat cultures -----	3,154
Gross -----	115	Basal metabolism -----	4
Microscopic -----	62	Autopsies -----	12
Spinal fluids:		X-ray department:	
Cell counts -----	14	Number of x-rays taken -----	4,323
Colloidal gold -----	14	Radiographic consultations -----	63
Cultures -----	14	X-ray therapy -----	18
Globulins -----	14	Fluoroscopic examinations -----	55
Wasserman -----	14	Cystoscopic examinations -----	6
Guinea pig inoculations -----	48	Photographs taken -----	1,778
Gastric analysis -----	9	Tests:	
Stool examinations -----	6	Sedimentation and fibrinogen-----	100
Smears -----	397	Tularemia -----	3
Sputums -----	114	Malta fever -----	3
		Von Pirquet -----	777
		Manteau -----	18
		Dick -----	1,281
		Schick -----	1,247

## PHYSIOTHERAPY FROM JULY 1, 1928, TO JUNE 30, 1930

House patients:		Out-patient department:	
Muscle tests -----	311	Muscle tests -----	42
Suspensions -----	4,270	Treatments -----	967
Treatments -----	24,086	Suspensions -----	56
Diathermy -----	114	Heliotherapy:	
Swimming pool treatments -----	4,324	Kromayer lamp -----	90
Swimming pool lessons -----	5,686	Alpine lamp -----	12
Heliotherapy:		Burdick lamp -----	47
Direct sun treatment -----	14,807	Diathermy -----	62
Alpine lamp -----	18,157		
Burdick lamp -----	11,278		
Carbon arc -----	80		
Kromayer lamp -----	2,014		
Quartzlite -----	9,126		

## PLASTER DRESSINGS FROM JULY 1, 1928, TO JUNE 30, 1930

Plaster dressings -----	5,634	Plaster models -----	604
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Control Board Biennial Report

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