

ing work was accomplished on the farm project: Completion of hay barn on the east farm; completion of the farmer's cottage; excavation for barn basement; water and steam pipes to the farm house and barn site. The connecting of these buildings with the steam and power plant will effect a saving in the future operation of the dairy.

During the biennium our private telephone line from the sanatorium to the exchange in the village of Walker was rebuilt. New poles with cross arms were placed, and new wires strung, which has improved our service with the exchange in Walker.

NEEDS OF THE INSTITUTION

Appropriations are recommended for nurses' home, \$60,000; reconstruction farm buildings, \$4,000; cottage for superintendent, \$12,000; cottage for patients, \$40,000; clearing land, \$2,000; repairs, \$10,000; tile floors for porches, \$6,500; and underground heating connections, \$9,750.

Respectfully submitted,

P. M. HALL,

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.....	\$562,384.00
Value of personal property.....	\$48,709.00
Expenditures for year ended June 30, 1928:	
Current expense.....	\$163,258.12
Repairs and replacements.....	\$4,304.51
Permanent improvements.....	\$16,630.27
Equipment.....	\$7,634.61
Miscellaneous.....	\$8,615.36
Gross per capita cost, current expense.....	\$703.70
Net per capita cost, current expense.....	\$703.65
Number of officers and employes.....	148

To the State Board of Control:

The results attained during the biennium include a volume of work and record of interest from the outside that was little anticipated by those interested in the early years of the institution.

The fine coöperation of both the visiting staff and the resident house staff has made such a report possible. Coöperation of the Board of Control in supplying all material necessary in the operation of such an institution has much to do with the success of treatment.

It is my wish at this time to thank all members of the staff for the many hours of labor and loyalty to the institution. The orthopedic, pediatric, and eye, ear, nose and throat departments have been, perhaps, most active, but other departments have given freely, and when asked to visit the institution come at a sacrifice to their own professional time. Such spirit makes this institution possible, and no other profession, to my knowledge, gives so freely of its time to worthy institutions and individuals as the medical profession.

The influence of outside organizations, as the Junior League, luncheon clubs, individuals, corporations, churches, and gifts from interested friends, lead the staff to believe that their work warrants merit, and such encourage-

ment as evidenced by outside aid, and mentioned in this report, assure the staff that they are supported in their care of those physically handicapped in a material way.

The needs of the staff are few and are brought to the notice of the Board by the superintendent's report. At the present time, the institution is established, well equipped, and capable of running at capacity.

RESIDENT HOUSE STAFF

Resident paid medical staff has been satisfactory, and we have been able to secure a resident, remaining at the institution for at least six months, with pay. Internes have been secured through rotation with various hospitals in the Twin Cities, and as it is impossible to secure a resident physician, or internes, without salary, the present arrangement should continue.

RESIDENT DENTIST

A resident paid part-time dentist has taken care of not only the hospital patients but also many in the out-patient department. This service has been going on for four years and an enormous amount of good work has been accomplished by this department.

PHYSIOTHERAPY

A great help has been given to the individual patient by the excellent care of four resident trained physiotherapists and their assistants. This department deserves great credit in accomplishing the excellent results of treatment the report shows, and encouragement to this department should be given on every opportunity.

SOCIAL SERVICE

The need of the establishment of a competent social service department is extremely necessary at this time. Investigation of financial condition before admission is necessary in conjunction with the investigation now made by the Board of Control. Supervision upon leaving the institution is extremely necessary in many cases. A competent social service department would relieve the institution of many individuals who, because of home surroundings and neglect in their home community, of necessity must remain as hospital patients. It is my desire that the Board of Control take necessary steps to make this department possible in the near future.

OUTSIDE CLINICS

Clinics for crippled and deformed children have been carried on through the Minnesota Public Health Association in conjunction with the Minnesota Orthopedic Club. Clinics in many neighborhoods have been entirely satisfactory when properly conducted under supervision, but on the whole they are not met with favor by the medical profession and others be-

cause of abuse largely due through incompetent supervision. A proper social service department could quickly correct the present evils and help make the demonstrations exceedingly useful to a community and benefit many handicapped children as they have in the past. Under proper supervision by a social service department, admitting those who are unable to pay for treatment or advice, I urge that these clinics, properly conducted, continue.

CO-OPERATION OF OUTSIDE PHYSICIANS

We have in the past enjoyed coöperation from physicians in the home community in carefully preparing the application blanks without cost to the individual, and in many instances after-care has been supervised at home through these same physicians without cost to the individual. As chief of staff of this institution, I wish to thank the many doctors of Minnesota for their interest in the crippled of their community and their generosity in their after-care.

CONCLUSION

For the entire staff I wish to especially thank the Board of Control for their continued loyalty and unusual interest in this institution, always willing to coöperate in a material way and with suggestions.

Respectfully submitted,

CARL C. CHATTERTON,

Chief of Staff.

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, 1928.

GROWTH OF THE INSTITUTION

The daily average attendance has increased slightly due to the fact that the hospital is occupied to full capacity. The number of patients treated has increased, due to a more rapid turnover. The time in the hospital has been reduced to an average of six and one-half months over seven and one-third months for the past biennial period and eight and one-half for the period ended four years ago. The waiting list on this date is 264.

The total hospital days for the biennial period is 171,185. The total hospital days for the previous biennial period was 160,068.

ORGANIZATION

Children whose parents are poor, who have been residents of Minnesota one year previous to the date of making application, and who have an orthopedic condition that can be helped by hospital treatment, are eligible

for treatment after their application has been approved by the orthopedic staff and the State Board of Control. Application is made through their family physician, accompanied by a parent's statement in the form of an affidavit covering the financial situation of the family. Except in case of emergency, applicants are put on the waiting list and notified when there is room.

Emergency cases are cared for at once whenever possible, and applicants are requested to notify the superintendent or have their family physician do so when the case is considered an emergency.

There is no cost to the parents except the expense of bringing the child to the hospital, providing the clothing necessary while he is a patient, and coming for him when he is discharged. The first set of braces or appliances is furnished free of charge to the patient. If the parents are able to pay for braces or appliances needed later, they are requested to do so.

Children are admitted during minority. They receive care for all physical conditions after admission, except pulmonary tuberculosis, as well as for their orthopedic condition. A limited number of feeding cases are admitted, preferably infants under six months of age. Children remain in the hospital as long as they need hospital care, and are then discharged to the out-patient department with instructions to parents covering home care and later report to the hospital.

HOSPITAL SERVICE

The medical students at the University of Minnesota come for lectures and clinics throughout the year.

For years this hospital was the only children's hospital in the state. The need for more hospitals has been demonstrated, and this need is being fulfilled. Although much has been accomplished in the past, it is the duty and privilege of the state to continue leadership and not rest on results of the past.

There has been a steady growth in the school of nursing—with special training in orthopedic and pediatric nursing—which provides for affiliation and post-graduate work. Since the work was started, in 1921, the results have been very gratifying.

The example set by the doctors who make the hospital possible through their generosity in freely giving of their time and skill has proved an inspiration and an incentive to those who are leaving sums of money for special purposes to the hospital.

The hospital has fulfilled the requirements of the American College of Surgeons, and has been in Class "A" since 1922, when it was first inspected by them. It is also on the approved list for internes' service of the

American Medical Association, and is a member of the American Hospital Association and the Children's Hospital Association of America. The school of nursing is fully accredited.

EDUCATIONAL WORK

While in the hospital all children physically able receive instruction in the school department, which includes kindergarten, grades and high school. Children who have completed the high school work may take University Extension work, a business course or some special course, depending upon their ability. Children are not admitted to attend school if not in need of hospital care.

The school department is inspected and accredited by the State Department of Education.

RELIGIOUS INSTRUCTION

Religious instruction is given all children above the infant wards, with Sunday-school teachers from the various denominations who give their instruction in a regularly organized Sunday school every Sunday morning from 9:30 to 11:30, with children's church once a month each for Catholic, Lutheran, and general, which is made up of all other denominations. Children make their first communion and are confirmed in classes twice a year. Every effort is made to give the children as near a normal existence as it is possible to have in an institution, and to meet this situation much attention is given to the individual. It is not considered that the object of the hospital has been fulfilled when physical care has been given. Character-building is of as much importance to the child's future as correcting his deformity, and here both can be accomplished at the same time.

SOCIAL SERVICE DEPARTMENT

The follow-up work of the hospital is just about as important as the work accomplished here. We need two public health nurses with orthopedic training to work with local community nurses and welfare workers in home-visiting of former patients. We also need a stenographer to take care of the records and the out-patient records. There are now 2,790 out-patients reporting, concerning whom we should keep more accurate records than we are now able to do.

BUILDINGS AND IMPROVEMENTS

During the period, a boiler and a stoker have been added to the boiler room. An auxiliary motor fan drive, pipe covering where needed, and obsolete plumbing fixtures throughout the oldest part of the building have been replaced. Boilers were relined, and gutters and conduits were repaired and replaced where necessary. All walls and ceilings have been routinely paint-

ed. Linoleum floors were added in wards 5 and 6 and part of ward 8, also the second floor of the east wing. Sixteen cubicles were added to the wards, and a bathroom and linen closet to ward 8.

The old library was changed to rooms for student nurses, and plans for additional cement terraces and porch with outside entrance to the isolation department are completed, also additions to the laundry equipment. New furniture has been provided to furnish the new rooms and replace worn-out furniture throughout the house. Mattresses have been renovated and repaired for four wards.

We have added one new Alpine lamp and replaced one, and added one Burdick lamp, a fluoroscope, a stereoscope, and a new X-ray table, and helioglass, vitaglass, and quartzlite, in treatment rooms and solariums.

There has been the general upkeep and as much improvement of grounds as possible with little more than the salary of the yardman provided for this work. Private individuals and the city have been generous in donating stock for planting.

NEEDS OF THE INSTITUTION

Appropriations are requested for improving grounds, \$5,000; completion basement new wing, \$10,000; building alterations, \$7,500; cubicles, \$1,000; sun porch, \$6,000; brace-making shop, \$3,500; repairs, \$8,000; kitchen and bakery equipment, \$2,400; furniture and equipment, \$10,000; instruction and amusement, \$4,000; library, \$500; social service work, \$16,000; special appliances for patients, \$18,000; laboratory and operating equipment, \$4,000; nurses' home, \$50,000; and engine and generator, \$11,400.

GIFTS, BEQUESTS AND DONATIONS

Gifts during this period include the swimming pool, made possible by a legacy left by Mrs. Alice Fraser Bigelow and Frederic R. Bigelow as a memorial to Frederic R. Bigelow Jr. Mrs. Bigelow left her money to be used "for the pleasure and comfort of the patients," and no use could have been conceived that would have provided the limit of both more than this beautiful memorial has. The entire cost was met by Mr. Bigelow, practically \$11,000.00.

Herman L. Benz has left \$2,500 to be used for permanent improvement. This will be available as soon as the will is probated.

E. J. Seitz has left one-half of his estate, which is listed as "in excess of \$70,000.00." This is also for permanent improvement, and will be available when the will is probated.

The Saint Paul Daily News collected and turned over in 1926 \$2,230.92; and in 1927, \$2,750.08; to be used primarily for Christmas and

to provide amusement throughout both years. This has also provided for playgrounds, tennis court for older children, the Daily News Garden at the east of the building, with sun terrace, piano, a projector for showing slides and post cards, music lessons for some who will benefit physically as well as musically, pets including three more parrots and a monkey, bird and animal books on their care, Boy and Girl Scout equipment for camp, extras for birthday parties given monthly in each ward throughout the year, special holiday entertainments, and busses to take the children to the State Fair and other places where transportation is not provided.

The income from the State Editors' Association and the State Bankers' Association endowment was given in 1927 to children doing outstanding work in the school department, \$5.00 each to 10 children. In 1928 the whole sum available, \$80.00, was awarded to a senior in the School of Journalism at the University. This young man has made an excellent record in the face of difficulties, and it seemed especially fitting that it should be given to one who is preparing to edit a country newspaper.

The Third House donated \$119.00 to the amusement fund.

The Saint Paul Barbers' Union came once in two months and cut hair on Sunday morning.

Each year the State Fair Board gave tickets of admission to the grounds and the grandstand to as many as could attend.

The Saint Paul Art School has given scholarships to our talented children, and has furnished instruction for specially talented children.

The Boy Scout leader has given regularly of his time to direct the work of our troops.

Those giving of their time are the following:

The Ramsey County Medical Auxiliary: Mending, sewing, book-mending and binding, music lessons, assistance in the school department, and entertainments.

The Masonic Women: Sewing, mending, scrapbooks, books, and magazines.

The Dome Club: Mending, sewing, and new garments.

The Saint Paul Junior League: Sewing, entertainment, special visitors, automobiles for rides, and assistance in the dispensary and clerical work.

Churches: Scrapbooks and picture books, Bibles, Sunday-school papers, magazines.

Schools and Red Cross organizations: Wild flowers, plants, books, toys, and useful articles.

Catholic organizations provide teachers for Sunday school, music for religious services, and toys and games for the children at Christmas.

Lutheran organizations provide teachers for Sunday school, gifts of religious books for their children at Christmas, fruit, and useful articles.

Musical organizations of Saint Paul furnish musical entertainments, seats and transportation to the Children's Symphony, and band and orchestra concerts at the hospital throughout the year.

P. W. Herzog furnishes his large automobile with chauffeur three afternoons each week to take children driving.

A party is given annually by the state employes at the State Capitol, when gifts and fruit are distributed and a wonderful entertainment is put on. Transportation from and back to the hospital is furnished, and this party is looked forward to as one of the outstanding treats of the year.

Many other gifts have been received that have been of benefit and have added to the happiness of the children under treatment.

It is most gratifying to know that so many people believe in the work we are carrying on to the extent of aiding it by their own effort and by leaving their money to be used to further the work being done.

CONCLUSION

I wish to express again our gratitude to the general public for their generous support and interest shown in the work by their coöperation and material help in every project for the improvement of the hospital and the happiness of the children; to the staff and employes for their efficient service; and to the medical and surgical staff whose interest never fails and extends to the welfare of the patients in more than their physical treatment; to the State Board of Control whose support, counsel and direction have helped put the work of the hospital in the front rank of leadership in all that a children's hospital should stand for.

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, 1928			Year Ended June 30, 1927		
	Male	Female	Total	Male	Female	Total
AGE GROUP						
Under 10 years	220	188	408	247	201	448
10 to 14 years	200	146	346	171	153	324
15 to 19 years	395	210	606	341	221	562
20 to 24 years	301	109	401	381	115	496
25 to 29 years	237	118	355	261	103	364
30 to 34 years	191	108	299	235	97	332
35 to 39 years	206	105	311	210	95	305
40 to 44 years	165	80	245	191	76	267
45 to 49 years	159	79	238	114	71	185
50 to 54 years	95	60	155	96	47	143
55 to 59 years	97	39	136	78	56	134
60 to 64 years	65	33	98	60	46	106
65 to 69 years	65	33	98	61	30	91
70 to 74 years	38	21	59	36	15	51
75 to 79 years	34	20	54	31	22	53
60 years and over	33	17	50	17	15	32
Age unknown	12	7	19	11	7	18
Total admissions	2,514	1,364	3,878	2,541	1,370	3,911
MARITAL CONDITION						
Single	1,586	798	2,384	1,640	807	2,447
Married	680	415	1,095	664	384	1,048
Widowed	107	96	203	113	111	224
Separated	46	16	62	28	24	52
Divorced	79	30	109	75	41	116
Unascertained	16	9	25	21	3	24
Total admissions	2,514	1,364	3,878	2,541	1,370	3,911
NATIVITY						
United States	2,022	1,106	3,128	2,060	1,106	3,166
Africa	---	---	---	1	---	1
Asia (Not otherwise specified)	---	---	---	2	---	2
Austria	25	11	36	29	11	40
Belgium	1	---	1	3	1	4
Bohemia	7	4	11	9	6	15
Canada (Includes Newfoundland)	35	20	55	38	23	61
China	1	---	1	1	---	1
Denmark	9	6	15	14	6	20
England	17	6	23	10	5	15
Europe ((Not otherwise specified)	8	3	11	8	1	9
Finland	51	25	76	46	20	66
France	2	1	3	2	1	3
Germany	61	27	88	57	38	95
Greece	9	1	10	8	1	9
Holland	4	2	6	6	1	7
Hungary	1	---	1	3	2	5
Ireland	14	6	20	12	12	24
Italy	9	4	13	10	1	11
Mexico	6	---	6	5	---	5
Norway	65	48	113	63	50	113
Poland	19	14	33	13	6	19
Roumania	---	1	1	3	---	3
Russia	13	10	23	15	2	17
Scotland	4	1	5	4	3	7
South America	---	---	---	1	---	1
Spain	---	1	1	---	---	---
Sweden	88	42	130	86	46	132
Switzerland	3	3	6	3	---	3
Turkey in Europe	---	---	---	2	---	2
Wales	---	---	---	---	1	1
Other countries	8	4	12	11	10	21
Unascertained	32	18	50	17	16	33
Total admissions	2,514	1,364	3,878	2,541	1,370	3,911

Gillette State Hospital for Crippled Children

Classification	Year Ended June 30, 1928			Year Ended June 30, 1927		
	Male	Female	Total	Male	Female	Total
POPULATION						
In institution at beginning of year-----	109	119	228	108	125	233
Admitted -----	125	112	237	107	108	215
Transferred from out-patient department,	88	106	194	68	92	160
Total under care -----	322	337	659	283	325	608
Died -----	5	5	10	8	6	9
Transferred to out-patient department-----	197	202	399	171	200	371
In institution at end of year -----	120	130	250	109	119	228
Average population -----	115	117	232	117	117	234
Admitted as out-patients -----	31	25	56	22	21	43
AGE GROUP						
Under 1 year -----	13	7	20	14	5	19
1 year -----	5	5	10	9	5	14
2 years -----	11	7	18	9	9	18
3 years -----	11	10	21	8	7	15
4 years -----	10	8	18	5	6	11
5 to 7 years -----	24	17	41	14	22	36
8 to 10 years -----	23	20	43	22	19	41
11 to 13 years -----	22	36	58	21	23	44
14 to 16 years -----	27	16	43	20	21	41
17 to 20 years -----	9	10	19	7	12	19
21 years and over -----	1	1	2	---	---	---
Total admissions -----	156	137	293	129	129	258
NATIVITY						
United States -----	151	130	281	125	124	249
Austria -----	---	1	1	---	---	---
Europe (not otherwise specified)-----	---	2	2	---	1	1
Finland -----	2	1	3	1	---	1
Germany -----	1	1	2	---	---	---
Holland -----	---	---	---	1	1	2
Italy -----	---	1	1	2	---	2
Mexico -----	2	---	2	---	---	---
Russia -----	---	---	---	---	1	1
Spain -----	---	1	1	---	---	---
Sweden -----	---	---	---	---	1	1
Total admissions -----	156	137	293	129	129	258
PARENTAGE						
Native parentage -----	117	91	208	103	89	192
Mixed parentage -----	9	22	31	19	12	31
Foreign parentage -----	30	24	54	7	28	35
Total admissions -----	156	137	293	129	129	258
CONDITION ON TRANSFER TO OUT-PATIENT DEPARTMENT						
Cured -----	12	16	28	8	13	21
Improved -----	175	172	347	160	181	341
Unimproved -----	2	2	4	2	3	5
Untreated -----	8	12	20	1	3	4
Died -----	5	5	10	3	6	9
Total -----	202	207	409	174	206	380

Gillette State Hospital for Crippled Children—Continued

Classification	Year Ended June 30, 1928			Year Ended June 30, 1927		
	Male	Female	Total	Male	Female	Total
DURATION OF STAY OF PATIENTS						
Less than 3 months.....	76	84	160	55	74	129
3 to 5 months.....	47	42	89	44	42	86
5 to 12 months.....	42	55	97	49	60	109
1 year but less than 2.....	22	22	44	19	25	44
2 years but less than 3.....	9	3	12	2	2	4
3 years and over.....	6	1	7	5	3	8
Total.....	202	207	409	174	206	380

OPERATIONS FROM JULY 1, 1926, TO JUNE 30, 1928

Adenoidectomy	1	Myotomy	5
Amputation	5	Neurectomy	5
Appendectomy	5	Osteoclasia	4
Artero-venous aneuripin	1	Osteotomy	32
Arthrodesis	27	Osteomyelitis	9
Arthrodesis-Hoke	12	Paracentesis	1
Arthrodesis-subastragalus	40	Perivital lithotomy	1
Arthrodesis-triple	18	Plastic repair	9
Arthroplasty	2	Plastic surgery	2
Arthrotomy	1	Posterior capsulotomy	1
Aspiration	1	Reconstruction	2
Astragalectomy	8	Reduction of fracture	6
Bennett	1	Reduction of hip-closed	1
Bleeders tied	1	Reduction of hip-open	19
Blood transfusion	1	Removal of cyst	2
Bone block	5	Removal of eyeball	1
Bone graft-Albee	7	Removal of foreign body	5
Circumcision	24	Removal of hemangioma	3
Cleft lips and palate-congenital	3	Removal of hypertrophied portion labia	1
Cleft palate-repair	15	Removal of lead shot	4
Correction of bowing deformity	1	Removal of sequestrae	2
Currttement of sinus	6	Removal of tissue	1
Drainage of abscess	1	Repair-alveolar process	1
Excision-osteoma	3	Repair-hypospadias	1
Excision-scar tissue	1	Repair-lip	3
Excision-tumor	2	Replacement-tendons	1
Exploration	4	Resection of antrum	2
Extraction of teeth	5	Resection of knee	3
Fasciotomy	5	Resection of rib	1
Fusion-hip	1	Sequestrectomy	16
Fusion-spine	17	Shelving hip-Albee	4
Herniotomy	1	Skin graft	3
Hibbs-foot	1	Soutter	2
Incision and drainage	15	Stabilization	2
Incision metatarsal for diagnosis	1	Stripping oscales	9
Ingrown toe nail	2	Structural torticollis	2
Insertion-Steinman pin	10	Tasciotomy	1
Lengthening-abductor	1	Tendon transference	20
Lengthening-heel cord	1	Tenotomy	18
Lengthening-muscle	1	Tonsillectomy	32
Lengthening-pronator radii	2	Tonsillectomy and adenoidectomy	205
Lengthening-quadriceps extensors	1	Transplantation-hamstring	1
Lengthening-tendon	27	Transplantation-tendon	4
Manipulations	79	Wedge	2
Mastoidectomy	4	Wrenching of foot	12
Mold to hand	1		

BRACES AND APPLIANCES FROM JULY 1, 1926, TO JUNE 30, 1928

Spencer corsets	22	Braces repaired and adjusted	375
Spencer corsets repaired and adjusted	9	New braces	456
Thomas splints	7	New jackets	169
Special shoes	57	Apparatus for use in wards	383
Shoes repaired and adjusted	996	Artificial legs	3
Jackets repaired and adjusted	231	Artificial legs adjusted and repaired	8

Gillette State Hospital for Crippled Children—Concluded

X-RAY AND LABORATORY WORK FROM JULY 1, 1926, TO JUNE 30, 1928

Urinalysis	8,769	Wasserman	20
Cultures	24	Gastric analysis	1
Blood examinations:		Stool examinations	9
Red blood count	1,033	Smears	720
White blood count	1,177	Sputum	26
Differential	683	Vaccines	1,571
Coagulation time	676	Exudates:	
Bleeding time	51	Nose and throat cultures	1,910
Wassermans	895	Basal metabolism	6
Widal	5	Autopsies	15
Cultures	17	X-ray department:	
Blood chemistry	11	Radiographic examinations	4,399
Blood urea	11	X-ray therapy	42
Blood sugar	11	Photographs taken	1,426
Non-protein nitrogen	11	Von Pirquet	878
Creatinin	11	Manteau	262
Uric acid	11	Schick	410
Tissues:		Dick	367
Gross	68	Toxin antitoxin	188
Microscopic	94	Scarlet toxin	78
Spinal fluids:		Combined scarlet fever and diphtheria	
Cell counts	20	vaccine	991
Colloidal gold	20	Typhoid vaccine	19
Cultures	20	Smallpox vaccine	800
Globulin	20	Dressings	99,892

DENTAL WORK FROM JULY 1, 1926, TO JUNE 30, 1928

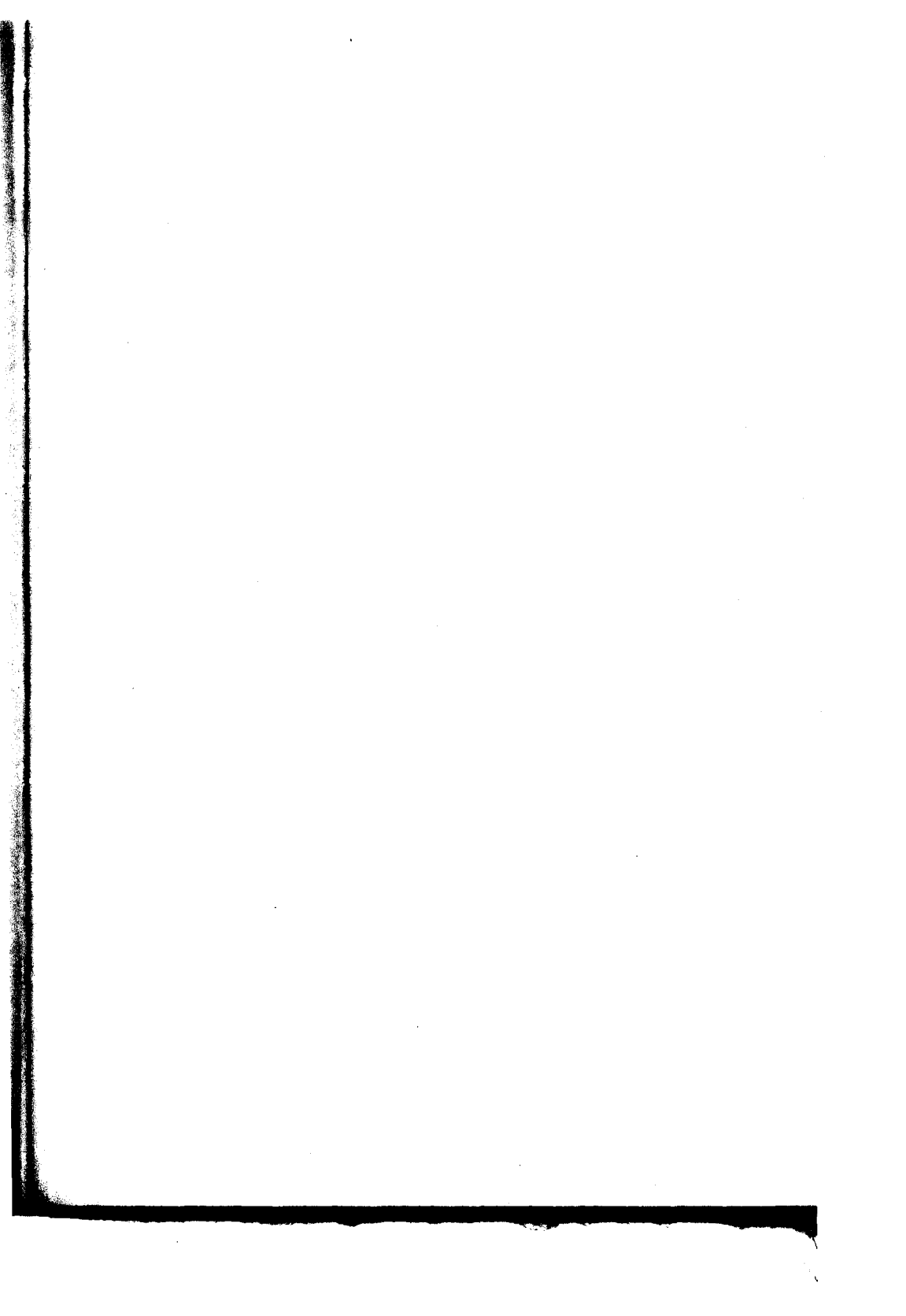
Number of patients treated	1,146	Permanent teeth	86
Number of prophylaxis	1,974	Number of pyorrhea treatments	96
Number of fillings:		Number of orthodontia cases	5
Amalgam	1,381	Number of orthodontia visits	59
Cement	369	Number of partial dentures	3
Synthetic porcelain	586	Lower jaw refractured and set	1
Number of extractions:			
Deciduous teeth	314		

PHYSIOTHERAPY FROM JULY 1, 1926, TO JUNE 30, 1928

House patients:		Heliotherapy:	
Muscle tests	289	Direct sun treatment	7,186
Suspensions	6,082	Alpine lamp	17,327
Treatments	19,100	Burdick lamp	6,915
Diathermy	304	Carbon arc	618
Swimming pool treatments	478	Kromayer lamp	2,220
Swimming pool lessons	1,048	Quartz lite	2,770
Out-patient department:		Vita glass	24
Muscle tests	48	Helio glass	85
Treatments	825		
Suspensions	60		
Carbon arc	152		

MISCELLANEOUS FROM JULY 1, 1926, TO JUNE 30, 1928

Plaster dressings	4,990	Glasses furnished	123 pr.
Plaster models	446	Glasses repaired	63 pr.
Artificial eye furnished	5		



minutes and with the original in the

Control Board Biennial Report

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