

Several thousand spruce and pine seedlings have been planted about the institution grounds.

The pulverizing equipment at the power house was replaced by a stoker last year.

The old depot was torn down and passenger trains no longer stop there. In the spring of 1933 bus service up to the institution buildings was established.

During the summer of 1933 the State Highway Department cooperated with the State Sanatorium when it made fills across Shingobee and Pump House bays in place of the bridges formerly used; a canal was also dug across Shingobee island, thus diverging the Shingobee river water flow into Pump House bay, from which the Sanatorium water supply is taken. There should not now be any danger of our raw water coming from a stagnant bay.

IMPROVEMENTS RECOMMENDED

It is recommended that arrangements be made in the near future for separation of newly admitted negative sputum cases until they can be properly diagnosed and allocated; adequate quarters for administrative offices will shortly have to be taken care of; additional storage space for institution property should be provided; the dietary service needs to be centralized; a new laundry building should be considered; and housing for the carpenter and paint shops needs to be thought of soon.

NEEDS OF THE INSTITUTION

The following appropriations are recommended: Root cellar, \$1,500; sewage treatment plant, \$16,000; stoker and boiler, \$15,000; separate storage building for x-ray plates, \$1,000; gas engine for pump house, \$1,500; granary, \$2,500; street lights, \$5,000; gate and fence, \$12,000; cinder funnel, \$500.

Respectfully submitted,

H. A. BURNS,
Superintendent.

Hospital for Crippled Children, St. Paul

Minnesota has the distinction of being the first of the states to attempt the treatment of indigent crippled and deformed children at public expense. The legislature in 1897 granted an appropriation of \$5,000 to be used for this purpose. Arrangements were made to have the children cared for at the City and County Hospital, St. Paul. The present institution was authorized by act of the legislature in 1907, and was opened in 1911. The medical and surgical staff is made up of the foremost specialists of St. Paul and Minneapolis. These men are on call at all times, and the services given these poor children are entirely gratuitous and unlimited. The resident medical and surgical staff is composed of students from the University of Minnesota graduate and undergraduate schools. The buildings are the main building with large additions, power plant and laundry, and a service building containing central kitchen, bakery, dining room, root cellar, storerooms, steward's office and rooms for twenty-two employees. A school building, known as the Michael J. Dowling Memorial Hall, is used for the education and training of indigent crippled and deformed children of the state of Minnesota. The sum of \$50,000, representing one-half the cost of the building, was donated by the Minnesota Editorial Association and the Minnesota Bankers Association.

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

Capacity of institution	250
Number of patients June 30, 1934	234
Area of grounds, acres	23
Value of lands and buildings	\$595,635.00
Value of personal property	\$ 47,891.00
Expenditures for year ended June 30, 1934:	
Current expense	\$180,740.82
Repairs and replacements	\$ 6,539.56
Permanent improvements	\$ 916.02
Miscellaneous	\$ 10,609.69
Gross per capita cost, current expense	\$ 779.06
Net per capita cost, current expense	\$ 778.27
Number of officers and employees	134

To the State Board of Control:

The following report gives a complete record of the many activities of the Gillette State Hospital for the last biennium and will show increased activity in the many lines of endeavor carried on by this institution.

The constant advance in the art of healing and caring for the crippled child each year makes new candidates for admission to the institution, and the individual leaving has received care not given a few years ago and is better equipped to compete with normal individuals and more likely to become self-supporting than ever before.

The patients suffer from such varied types of disease that for the best treatment it is impossible for any one special class of practitioners to carry on to the best interest of the individual, and cooperation of the many special classes of those interested in certain types of diseases and deformities is necessary. The past two years have been difficult for the medical profession, and it has been necessary that every physician give more and more of his time without remuneration. The members of the staff of the Gillette State Hospital have been no exception, and have willingly offered their best to the indigent crippled of our state without special thought of financial return and with actual loss in that respect to themselves. In few institutions does such good fellowship and cooperation exist, and because of this the large amount of work accomplished is more of a pleasure than a chore. I can in no way thank the staff sufficiently for their regular attendance, skill and loyal cooperation which make this report possible.

Cooperation of the physicians in the community in which the deformed child lives deserves comment. The accuracy in filling the application blank is of great value and often the only history when the child reaches the institution.

HOUSE STAFF

Our past experience with a paid resident physician has been most satisfactory. This service has a long list of qualified applicants, men often well trained in orthopedic surgery and with excellent knowledge of general surgery. The rotating interne service with the general hospitals of the Twin Cities gives instruction as to the type of work done in a hospital of this character and many have given in return for this instruction excellent service to the institution. This arrangement, which has been satisfactory, should be continued.

DENTAL SERVICE

The service rendered by the resident dentist is of great value. Not only are the children in the hospital cared for, but also a good number of patients from the out-patient department. Certainly this excellent service cannot be dispensed with.

PHYSIOTHERAPY AND MECHANOTHERAPY DEPARTMENTS

One of the most important aids in the improvement and cure of patients is the physiotherapy and mechanotherapy departments. The work done by skilled attendants has been most satisfactory. The present staff have been helpful in suggestions as to treatment and most capable in the care of those under them. Results in a large percentage of those discharged have been due to the efforts in these departments.

SCHOOL INSTRUCTION

School instruction is of special value in an institution, not only because of mental training, but because many long hours wasted are saved by such training, and the joy of learning and of occupation is beneficial to the general health and often helps deformities in no small way. Many leave the institution without loss of credit as far as school work is concerned, and keep up with or are in advance of children of their own age.

SOCIAL SERVICE DEPARTMENT

Our institution has been, we believe, quite free from abuse and only indigent patients received, due to the excellent investigation by the State Board of Control, but we are in need of workers to investigate the care of children in the out-patient department and others who do not come as directed because of long distances and financial difficulty. The time spent in the hospital in many instances could be shortened if the child could be protected by the service of a competent social service worker. As I have in the past, again I suggest that this department be reestablished for the good of the child unable to report as directed to the hospital.

OUT-PATIENT DEPARTMENT

As years go by, this department continues to grow and much satisfactory work is accomplished, leaving free beds for those who can be taken care of in this department rather than the hospital. The continued growth may require extra days in this department in the near future to combat the present overcrowding on examination days.

NEEDS OF THE INSTITUTION

The numerous needs of the institution have been carefully enumerated by the superintendent.

CONCLUSION

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

Respectfully submitted,

CARL C. CHATTERTON,
Chief of Staff.

REPORT OF THE SUPERINTENDENT

To the State Board of Control:

The following report is respectfully submitted for the biennial period ended June 30, 1934.

POPULATION

The average number of patients is slightly below that of the last biennial period due to epidemics of measles, chickenpox and mumps.

The time in the hospital is reduced to an average of a little below five months.

The waiting list at present is 212.

IMPROVEMENTS

All bed wards have been divided into cubicles; a garbage house is under construction; screened-in porches are having new roofs; the front driveway has been paved; the tile roof has been repaired; hot water tanks and a water heater have been installed; the laboratory has been changed and enlarged and new equipment added; new treatment lights have been purchased—a new light for the operating room and a new light for cleft palate work have been purchased; special bed markers have been installed on all beds; all mattresses have been renovated and recovered where necessary, and mattress rack in mattress room has been added; the swimming pool has been repaired; plaster on all walls and ceiling has been repaired as needed and all walls painted; all wards, service room and operating room are washed monthly; the brace shop has had necessary repairs on machinery; a complete new record system with cross index has been installed in the x-ray department and in the general office.

The help provided by the FERA has enabled us to keep the grounds, shrubbery and gardens in much better condition than before. The low place in the rear has been filled in, covered with black dirt and seeded. The grounds east of the building have been leveled and planted. All dead trees have been taken out by the roots and all other trees trimmed. We have lost much of the shrubbery and evergreen trees on account of the drouth and cold winter.

NEEDS OF THE INSTITUTION

I believe that it is now time that some recognition should be made of the service rendered by the medical and surgical staff of this hospital. For thirty-seven years all service of the doctors on the staff has been given free, and few outside the hospital can comprehend the amount of time that has been given and the wonderful service that has been rendered. With the changed conditions and a different viewpoint about the state responsibility for medical care for those unable to pay, I believe it is now time for the state to provide some compensation for the service rendered, and I recommend that an appropriation be asked for this purpose. The statistics in this report will give some idea of the work done by these men.

I wish at this time to also recommend that we have a medical social service worker to keep better check on the home care of discharged patients. I believe it would be possible to send patients home sooner and therefore cut down the hospitalization period if we had a social service worker who could go into the home and instruct the mothers about after-care for those needing it.

We need to complete the first floor of the east wing to be used as lecture room, morgue, autopsy, record filing room and laboratory.

We need to repair the screens, tile roofs, paint the exterior and interior of the building, replace linoleum floors, and repair doors and wood-work throughout the building.

We need to cover the steam pipes with asbestos covering and install radiator guards.

The boilers need to be relined.

New window frames are needed for sun rooms on Wards 5 and 7.

New wiring and some electric equipment are needed in the electric installation.

We need to replace worn-out x-ray equipment that has been in use for twelve years; also photographic equipment which is obsolete.

The changes in plumbing recommended by the State Board of Health covering all sterilizers will need to be made.

We need the usual amount of supplies and equipment in our school department and library.

We need some new machinery and repairs to equipment in the brace shop.

New equipment is needed to replace worn-out machinery in the kitchen and bakery in use fourteen years.

We need to have the service driveway graded and graveled, also an amount sufficient to replace winter-killed shrubbery, and seeds and plants for planting.

GIFTS AND DONATIONS

The St. Paul Daily News collected and gave to the hospital in 1932 \$1,405.23; in 1933, \$1,430.99.

The income from the Minnesota Editorial Association and State Bankers Association Endowment provides a scholarship at the St. Paul School of Art and at the University.

The Masonic Women sew one day per month throughout the year.

The St. Paul Junior League furnishes teachers for special classes as part of their work.

The Schubert Club furnishes musical entertainment.

The Red Cross furnishes gifts from schools throughout the state.

The income from Eddie Mott estate is used for special entertainment not otherwise provided for.

The St. Paul Sunshine Society furnishes flowers, games, fruit and jellies.

The churches, individuals and organizations have been very generous in donating clothing, fruit and entertainment.

The representatives of the different churches continue to contribute their services in instructing the children regularly in the different denominations, and give their services for church and Sunday School.

We are greatly indebted to the Boy Scouts of America, and particularly to Mr. Frederick Dedolph for his continued services as scout master.

CONCLUSION

We are greatly indebted to all who assist in the care and education of the patients of this hospital, to the staff and employes for efficient service, to the medical and surgical staff, and to the State Board of Control for its guidance and support.

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, 1934			Year Ended June 30, 1933		
	Male	Female	Total	Male	Female	Total
AGE GROUP						
Under 10 years	244	217	461	191	160	351
10 to 14 years	252	189	421	163	115	278
15 to 19 years	456	218	674	386	187	583
20 to 24 years	479	136	615	518	198	656
25 to 29 years	349	98	447	302	118	420
30 to 34 years	278	109	387	238	109	347
35 to 39 years	254	120	374	205	109	314
40 to 44 years	222	106	328	225	96	321
45 to 49 years	196	84	282	196	83	279
50 to 54 years	138	70	203	137	67	204
55 to 59 years	113	42	160	87	38	125
60 to 64 years	102	54	156	97	41	138
65 to 69 years	73	31	104	55	42	97
70 to 74 years	75	23	98	58	29	85
75 to 79 years	52	25	77	48	27	73
80 years and over	47	29	76	38	21	57
Unascertained	10	2	12	8	6	14
Total admissions	3,342	1,533	4,875	2,956	1,386	4,342
MARITAL CONDITION						
Single	2,094	909	3,003	1,793	758	2,551
Married	863	406	1,274	851	432	1,283
Widowed	184	161	325	140	126	266
Separated	63	20	83	72	29	101
Divorced	138	34	172	92	37	129
Unascertained	15	8	18	8	4	12
Total admissions	3,342	1,533	4,875	2,956	1,386	4,342
NATIVITY						
United States	2,867	1,324	4,191	2,465	1,177	3,642
Austria	16	11	27	29	8	37
Belgium	1	---	1	3	---	3
Bohemia	7	3	10	5	3	8
Canada (includes Newfoundland)	52	13	65	46	9	55
China	3	---	3	5	---	5
Czechoslovakia	10	11	21	1	---	1
Denmark	10	8	18	14	6	20
England	14	3	17	7	7	14
Europe (not otherwise specified)	2	1	3	---	---	---
Finland	28	21	49	31	16	47
France	2	---	2	---	1	1
Germany	61	30	91	61	25	86
Greece	5	---	5	6	1	7
Hawaii	---	---	---	1	---	1
Holland	9	---	9	3	1	4
Hungary	2	1	3	7	---	7
Ireland	9	6	15	9	2	11
Italy	7	2	9	8	4	12
Mexico	9	3	12	7	---	7
Norway	62	40	102	58	34	92
Philippine Islands	1	---	1	---	---	---
Poland	24	2	26	15	7	22
Roumania	6	7	13	2	6	8
Russia	14	11	25	13	3	16
Scotland	2	---	2	5	1	6
Spain	---	---	---	1	---	1
Sweden	68	31	99	100	53	153

Gillette State Hospital for Crippled Children

Classification	Year Ended June 30, 1934			Year Ended June 30, 1933		
	Male	Female	Total	Male	Female	Total
POPULATION						
In institution at beginning of year	127	106	233	133	116	249
Admitted	285	255	540	128	122	250
Transferred from out-patient department	16	5	21	104	110	214
Total under care	428	366	794	365	348	713
Discharged	2	---	2	---	1	1
Died	8	7	15	2	4	6
Transferred to out-patient department	283	260	543	236	237	473
In institution June 30	135	99	234	127	106	233
Average population	180	102	232	118	101	219
Admitted as out-patients	43	29	72	30	22	52
AGE GROUP						
Under 1 year	13	17	35	24	15	39
1 year	16	6	22	7	6	13
2 years	11	19	30	10	18	28
3 years	12	9	21	4	7	11
4 years	8	9	17	12	5	17
5 to 7 years	31	27	58	24	19	43
8 to 10 years	39	24	63	23	21	44
11 to 13 years	39	29	68	19	22	41
14 to 16 years	26	38	64	20	15	35
17 to 20 years	14	10	24	14	11	25
21 years and over	2	2	4	1	5	6
Total	216	190	406	158	144	302
NATIVITY						
United States	213	188	396	156	142	298
Austria	---	1	1	---	1	1
Czechoslovakia	---	1	1	---	---	---
Denmark	1	---	1	---	---	---
Finland	---	1	1	1	---	1
Germany	---	---	---	1	---	1
Italy	1	---	1	---	---	---
Mexico	---	3	3	---	---	---
Poland	---	---	---	---	1	1
Sweden	---	2	2	---	---	---
Yugoslavia	1	---	1	---	---	---
Total	216	190	406	158	144	302
PARENTAGE						
Native parentage	179	148	327	134	110	244
Mixed parentage	21	29	50	17	19	36
Foreign parentage	16	13	29	7	15	22
Total	216	190	406	158	144	302
CONDITION ON TRANSFER TO OUT-PATIENT DEPARTMENT						
Cured	4	4	8	4	5	9
Improved	268	251	519	228	225	453
Unimproved	7	2	9	2	4	6
Untreated	6	3	9	2	4	6
Died	8	7	15	2	4	6
Total	293	267	560	238	242	480
DURATION OF STAY OF PATIENTS						
Less than 3 months	152	132	284	90	94	184
3 to 5 months	69	58	117	65	64	129
5 to 12 months	55	64	119	55	60	115
1 year but less than 2	19	12	31	24	21	45
2 years but less than 3	6	1	7	3	1	4
3 years and over	2	---	2	1	2	3
Total	293	267	560	238	242	480

Gillette State Hospital for Crippled Children—Continued

OPERATIONS FROM JULY 1, 1932, TO JUNE 30, 1934

Amputation -----	7	Incision and drainage of abscess --	14
Appendectomy -----	7	Incision and exploration (thigh) --	1
Appendectomy and subtotal hyster-		Incision of purulent cervical aden-	
ectomy -----	1	itis -----	1
Arthrodesis -----	50	Incision of scar contracture -----	1
Arthrodesis, subastragalar -----	6	Insertion of fascia into abdominal	
Arthrodesis, sublatar -----	34	wall -----	1
Arthroplasty -----	5	Insertion of Kerschner wire through	
Arrestment of growth -----	1	lower end of femur -----	1
Aspiration -----	3	Insertion of fascial sling under chin	
Astragalectomy -----	10	Insertion of silk ligaments in spin-	
Bifurcation -----	3	ous processes -----	1
Biopsy -----	4	Insertion of Steinman pin -----	1
Bone block -----	42	Iridodialysis -----	1
Bone graft -----	2	Laminectomy -----	5
Bracket operation, hip -----	1	Lengthening of adductor muscles --	2
Bunion operation -----	1	Lengthening of contracted pectoral	
Capsulotomy -----	7	muscles -----	1
Circumcision -----	2	Lengthening of flexor carpi radialis	
Closure of skin -----	1	Lengthening of hamstrings -----	5
Construction of loop about extensor		Lengthening of heel cord -----	4
digitorum longus to middle finger	1	Lengthening of leg -----	5
Control of post-tonsillectomy hem-		Lengthening of plaster fascia -----	5
orrhage -----	4	Lengthening of pronator radii teres	
Correction of deformity, thumb --	1	Lengthening of sternocleidomastoid	
Correction of deformity, finger --	3	Lengthening of sternomastoid -----	1
Correction of deformity, foot -----	1	Lengthening of tendon Achilles -----	50
Correction of deformity, leg -----	1	Lengthening of tendon, forearm and	
Curettement of abscess -----	5	leg -----	1
Curettement of osteomyelitis tract		Lengthening of tibia -----	1
Dental surgery -----	128	Lumbrosacral fusion -----	1
Dissection of ganglion of dorsum --	1	Manipulation of arm, deformity due	
Dissection of scars -----	1	to anterior poliomyelitis -----	1
Division of Achilles tendon -----	2	Manipulation of club feet, congen-	
Division of iliotibial bands -----	5	ital -----	11
Division of peronei -----	1	Manipulation of elbow, deformity	
Division of plantar fascia -----	1	due to injury -----	1
Division of scar tissue -----	1	Manipulation of feet, deformity due	
Drainage of cervical adenitis -----	1	to anterior poliomyelitis -----	35
Drainage of osteomyelitis -----	3	Manipulation of feet, deformity due	
Drainage of peritonsillar abscess,		to spastic paralysis -----	2
Ochsner's method -----	1	Manipulation of fracture, trauma --	1
Excision of exostoses -----	1	Manipulation of hip, congenital	
Excision of fistula -----	1	Manipulation of hip, deformity due	
Excision of hemangioma -----	2	to infection -----	8
Excision of keloid -----	2	Manipulation of knee, deformity	
Excision of lesion -----	1	due to infection -----	2
Excision of mole -----	2	Manipulation of leg, deformity due	
Excision of osteochondroma -----	1	to rickets -----	1
Excision of tumor -----	1	Manipulation of leg lengthening	
Exploratory operation -----	5	due to poliomyelitis -----	1
Exenteration of contents injured		Manipulation of tibia deformity due	
blind eye -----	1	to fracture -----	1
Extra-articular fusion of hip -----	1	Manipulation of tibia, deformity	
Fasciotomy -----	25	due to un-united congenital frac-	
Forcible correction, club feet -----	3	ture -----	1
Freeing of tongue tie -----	1	Mastoidectomy -----	2
Fusion, hip -----	3	Modified reconstruction of hips --	1
Fusion, knee -----	2	Myotomy -----	5
Fusion, lumbo-sacral region -----	1	Myringotomy -----	1
Fusion, sacroiliac -----	1	Neurectomy, median -----	8
Goldthwaite's operation for dislocat-		Neurectomy, popliteal -----	12
ing patella -----	1	Neurectomy, posterior tibial -----	3
Hammer toe operation -----	1	Operation for chronic osteomyelitis	
Herniotomy -----	4	Operation for cleft lip -----	5
Hibb's operation for claw foot -----	8	Operation for cleft lip and palate	
Hibbs' tendon transplantation -----	3	Operation for congenital elevation	
Hoke operation for relapsed foot -----	3	of scapular -----	2
Implantation of fascia to abdominal			
wall -----	2		

Gillette State Hospital for Crippled Children—Continued

OPERATIONS FROM JULY 1, 1932, TO JUNE 30, 1934—Concluded

Operation for ingrown toenail and removal of nail	1	Stabilization	2
Operation for meningocele	1	Steindler stripping with tenotomy	1
Operation for osteitis fibrosa	1	Steindler stripping with wrenching	2
Operation for torticollis	1	Steindler stripping	1
Osteoclasis	23	Straightening of fingers	1
Osteotomy	46	Straightening of flexed limbs due to burns	1
Plastic operation, congenital bane	1	Stripping of os-calcis	2
Plastic operation	12	Submucous resection	1
Preparatory operation for maggots	1	Suture of old ulcer	1
Probing of sinus	1	Synovectomy	1
Radical operation for osteomyelitis	3	Tarsectomy	1
Radical mastoid	1	Tenodesis	6
Re-amputation	2	Tenoplasty, hand	1
Re-arthrodosis of foot	1	Tenotomy	51
Reduction of fracture	4	Thyroidectomy	2
Reduction of hip	22	Tonsillectomy	45
Reduction of slipping upper femoral epiphysis	1	Tonsillectomy and adenoidectomy	271
Releasing of obstruction	1	Total synovectomy	1
Releasing of pressure	1	Transference of anterior tibial tendon to lateral side of foot	2
Removal of accessory navicular	1	Transference of biceps femoris to patella	1
Removal of accessory scaphoid	1	Transference of biceps to quadriceps	1
Removal of cyst	1	Transference of biceps to both sides	1
Removal of dead portion of scapula	1	Transference of common extensors of toes to outer side	2
Removal of drain	1	Transference of extensors of toes to metatarsal heads	3
Removal of exostosis	4	Transference of external hamstrings to patella	1
Removal of extra bone for arthroplasty	1	Transference of long extensor of great toe to base of metatarsal bone	1
Removal of fibrous lipoma	1	Transference of long flexor of great toe to head of second phalanx	1
Removal of glands	2	Transference of peroneus longus to opposite side of foot	4
Removal of head of radius	2	Transference of peroneus longus and brevis into Achilles	2
Removal of hemangioma	1	Transference of peroneus longus and brevis to sole of foot	1
Removal of iris prolapse and lens capsule and Kuhn's flap	1	Transference of peroneus tendons to front of foot	4
Removal of osteochondroma	1	Transference of peroneals to front of foot	3
Removal of pins	1	Transplantation of biceps to patella	2
Removal of projecting portion, tibia	1	Transference of tendon	1
Removal of scar tissue	1	Transplantation of extensor of great toe to head of first metatarsal	2
Removal of sequestrum	4	Transplantation of extensor tendons	2
Removal of stitches	1	Transplantation of external hamstring to patella	1
Removal of tonsil tag	2	Transplantation of fascia lata to abdominal wall	1
Removal of tumor	3	Transplantation of fascia lata from upper rectus to the pubis	2
Removal of wedge	1	Transplantation of patellar tendon	1
Re-operation	1	Transplantation of peroneal tendon to inner side of front of foot	3
Repair of anterior tibial tendon	1	Transposition of flexor pollicis longus	2
Repair of bone block	1	Trephine for glaucoma	1
Repair of cleft lip	2	Wrenching, feet	5
Repair of cleft lip and palate	1	Z osteotomy of femur to shorten leg	1
Repair of cleft palate	3	Z plasty of thumb	1
Repair of fascia	1		
Repair of lip	3		
Repair of palate	11		
Resection of head of astragalus	1		
Resection of knee joint	1		
Resection of neck and shaft of metatarsal	1		
Roofing of hip	6		
Secondary hip repair	1		
Sever operation	1		
Sequestrectomy	10		
Shelving operation, hip	10		
Shelving operation, pathological dislocation of hip	1		
Shortening of leg	1		
Spinal fusion	12		
Skin graft	17		

Gillette State Hospital for Crippled Children—Continued

BRACES AND APPLIANCES FROM JULY 1, 1932, TO JUNE 30, 1934

Canvas corsets, new -----	61	Torticollis brace, new -----	4
Canvas corsets repaired -----	11	Felt collar repaired -----	2
Spencer corsets repaired -----	10	High piece adjusted -----	1
Leather jackets -----	88	Suspension apparatus -----	3
Leather jackets adjusted -----	88	Aluminum boxes, new -----	6
Leather jackets repaired -----	44	Crutches repaired -----	6
Taylor braces -----	29	Collar adjusted -----	1
Taylor braces adjusted -----	20	Plaster cast adjusted -----	11
Taylor braces repaired -----	45	Operating room tools sharpened -----	8
Leg braces, new -----	309	Thomas splint, new -----	1
Leg braces adjusted -----	216	Abduction frame repaired -----	9
Leg braces repaired -----	339	Walking stirrup -----	4
Arm supports, new -----	54	Canvas curtains adjusted -----	18
Arm supports adjusted -----	27	Traction cuffs -----	2
Arm supports repaired -----	40	Plaster splints repaired -----	7
Special shoes, new -----	1	Ankle brace -----	3
Special shoes adjusted -----	1,534	Frame covers repaired -----	3
Shoes adjusted or applied to brace -----	65	Cradles repaired -----	2
Shoes repaired -----	832	Steinman pins, new -----	3
Splints adjusted -----	242	Miscellaneous -----	2
Splints repaired -----	171	Wolfe collar, new -----	1
Splints, new -----	83	Steinman bone extension tongs -----	2
Head control -----	4	Discs for chains for leg lengthening apparatus -----	8
Webbing straps applied to cast -----	8	Jones collar, new -----	1
Thomas collar repaired -----	1	Leather rivets -----	1
Foot pieces -----	4	Metal waste dressing bag holders -----	3
Chin piece -----	1	Eyelets on frame covers -----	5
Test leg -----	1	Abdominal supports, new -----	3
Head tractions repaired -----	11	Adjustable abduction bars applied -----	1
Steindler back brace, new -----	6		

X-RAY AND LABORATORY WORK FROM JULY 1, 1932, TO JUNE 30, 1934

Patients treated -----	1,367	Extractions:	
Prophylaxis -----	1,831	Deciduous teeth -----	294
Fillings:		Permanent teeth -----	115
Amalgam -----	1,037	Orthodontia cases -----	4
Cement -----	270	Orthodontia visits -----	68
Synthetic porcelain -----	283	Partial plates -----	4
Pyorrhea treatments -----	44		

X-RAY AND LABORATORY WORK FROM JULY 1, 1932, TO JUNE 30, 1934

Clinical and laboratory tests:		Nose and throat cultures -----	4,361
Urinalysis -----	11,988	Virulence tests -----	6
Hemoglobins -----	5,894	Tularemia and undulant fever tests -----	1
Red blood counts -----	1,738	Sinus cultures -----	489
Differentials -----	2,435	Blood cultures -----	6
Coagulation time -----	1,040	Wassermanns -----	1,137
Bleeding time -----	1,014	Widals -----	213
Blood grouping -----	176	Tissues:	
Blood matching -----	61	Gross -----	46
Platelet counts -----	9	Microscopic -----	69
Fragility tests -----	2	Specimens sent to State Board of Health -----	183
Vaginal smears -----	494	Specimens sent to Dr. Ikeda -----	730
Vincent's smears -----	33	Post-mortems -----	22
Smears for tubercle bacilli -----	95	Electrocardiograms -----	5
Miscellaneous bacterial smears -----	45	Basal metabolism tests -----	32
Culture for type of bacteria -----	47	P. S. P. tests -----	29
Gastric analysis -----	4	Concentration tests -----	6
Emesis examination -----	8	Dilution tests -----	6
Stools for parasites -----	23	Urine Creatine -----	1,234
Stools for occult blood -----	13	Urine Creatinine -----	1,053
Differential counts in chickenpox lesions -----	72		

Gillette State Hospital for Crippled Children—Concluded

X-RAY AND LABORATORY WORK FROM JULY 1, 1932, TO JUNE 30, 1934—Concluded

Clinical and laboratory tests—Concluded			
PH of urine	13	Pure horse serum	1
Urine for titrable acid	4	Poliomyelitis	1
Congo red test for amyloidosis	6	Prophylactic-typhoid vaccine	6
Icterus index	1	Triple typhoid vaccine	82
Calcium times	7	X-ray Examination:	
Prothrombin times	6	Number of patients x-rayed	2,552
Coagulation time (by venipuncture)	9	Number of x-rays taken	5,173
Spinal fluid:		Patients' films to Dr. Schons for diagnosis	160
Cell counts	38	Patients for fluoroscopic examination	7
Differential counts	2	Blood chemistry:	
Globulin	1	Non-protein nitrogen	34
Qualitative proteins	10	Urea nitrogen	96
Colloidal golds	8	Creatinine	75
Albumin	1	Calcium	54
Quantitative sugar	5	Chloride	5
Schultz Charlton tests	5	Blood creatine	1
Aldrich McClure tests	9	Fasting sugar	28
Examination for ringworm	3	Phosphorus	17
Stools for fat	2	Blood sugar tolerance	1
Cultures for strep. for scarlet fever	2	Van Slyke	12
Cutaneous tests:		Uric acid	3
Schick	747	Van der Bergh tests	7
Dick	1,053	Total nitrogen	1
Von Pirquet	709	Total protein	4
Mantoux	245	X-ray treatments:	
Foreign protein injections	109	Deep x-ray therapy	25
Catarrhal bacteria	7	Superficial x-ray therapy	32
Vaccinations:		Photographs:	
Pertussis	1,558	Number of patients photographed	1,652
Diphtheria toxin-antitoxin mixture	636	Number of photographs taken	4,712
Diphtheria antitoxin	134	Extra prints made	381
Diphtheria toxoid	761	Extra negatives made	56
Scarlet fever vaccine	906	Lantern slides made	49
Smallpox vaccine	830	Moving pictures made	20
Mumps convalescent serum	144	Photographic copies of x-rays made	9
Tetanus antitoxin	3		

PHYSIOTHERAPY FROM JULY 1, 1932, TO JUNE 30, 1934

House Patients:		Heliotherapy:	
Treatments	21,897	Burdick lamp	13,565
Suspensions	1,771	Hanovia lamp	5,885
Muscle tests	528	Out-of-door sun treatments	6,023
Diathermy	67	Water cooled lamp	374
Swimming pool treatments	3,612	Carbon arc lamp	58
Swimming lessons	4,393	Infra red lamp	22
		Out-Patient Department:	
		Treatments	1,082
		Suspensions	46
		Muscle tests	119

DRESSINGS FROM JULY 1, 1932, TO JUNE 30, 1934

Plaster Dressings:		Other Dressings:	
Plaster dressings	1,306	Number of moist dressings	107
Plaster models	521	Number of dry dressings	748
Miscellaneous	612	Number of medicated dressings	182
		Miscellaneous	54

Population of County Tuberculosis Sanatoria

SANATORIUM	Number of Patients Jan. 1	Admitted	Total Under Care	Discharged	Died	Number of Patients Dec. 31	Average Number of Patients
Year ended Dec. 31, 1933							
Buena Vista, Wabasha	25	19	44	11	5	28	27
Deerwood, Deerwood	21	15	36	10	5	21	22
Fair Oaks Lodge, Wadena	26	47	73	34	9	30	30
Glen Lake, Oak Terrace	691	425	1,116	340	76	700	707
Lake Julia, Poposky	51	67	118	52	10	56	55
Mineral Springs, Cannon Falls	84	59	143	46	14	83	84
Nopeming, Nopeming	222	234	456	207	23	221	226
Oakland Park, Thief River Falls	54	31	85	24	10	51	51
Otter Tail County, Battle Lake	34	26	60	20	8	32	33
Ramsey County, St. Paul	215	220	435	149	62	224	223
Riverside, Granite Falls	51	39	90	33	11	46	51
Sand Beach, Lake Park	39	80	69	20	5	44	44
Southwestern Minnesota, Worthington	52	41	93	33	12	40	52
Sunnyrest, Crookston	59	51	110	29	17	64	58
All Institutions	1,624	1,304	2,928	1,008	272	1,649	1,663
Year ended Dec. 31, 1932							
Buena Vista, Wabasha	23	20	43	15	3	25	24
Deerwood, Deerwood	16	22	38	13	4	21	19
Fair Oaks Lodge, Wadena	30	31	61	29	6	26	30
Glen Lake, Oak Terrace	682	483	1,165	376	93	691	702
Lake Julia, Poposky	53	44	97	36	10	51	53
Mineral Springs, Cannon Falls	86	53	139	37	18	34	81
Nopeming, Nopeming	223	264	487	240	25	222	230
Oakland Park, Thief River Falls	52	27	79	22	3	54	54
Otter Tail County, Battle Lake	33	32	65	15	14	35	34
Ramsey County, St. Paul	209	216	425	149	70	215	212
Riverside, Granite Falls	52	26	78	20	7	31	51
Sand Beach, Lake Park	41	26	67	19	9	39	43
Southwestern Minnesota, Worthington	54	37	91	20	9	52	54
Sunnyrest, Crookston	57	40	97	25	12	59	59
All Institutions	1,611	1,321	2,932	1,019	288	1,625	1,646