



House of St. Giles the Cripple

UNITED WE STAND. (See page 168)

RUSSELL SAGE  
FOUNDATION

---

CARE AND EDUCATION  
OF CRIPPLED CHILDREN IN  
THE UNITED STATES

By  
EDITH REEVES

SPECIAL AGENT DEPARTMENT OF CHILD-HELPING  
RUSSELL SAGE FOUNDATION

INTRODUCTION

By HASTINGS H. HART, LL.D.  
DIRECTOR DEPARTMENT OF CHILD-HELPING



NEW YORK  
SURVEY ASSOCIATES, INC.  
MCMXIV

Copyright, 1914, by  
THE RUSSELL SAGE FOUNDATION

Y 64:4:67.73

E4

1274

---

PRESS OF WM. F. FELL CO.  
PHILADELPHIA

DEDICATED  
TO THE BRAVE LITTLE PEOPLE



*Photo by Jessie Tarbox Beals*

FOOT RACE—THE START

## PREFACE

**T**HIS volume is intended to serve as a handbook for the use of those who are interested in the care of crippled children. It undertakes to give concrete information respecting 37 hospitals, convalescent institutions, and asylum homes whose work is so standardized as to permit of statistical treatment, and to give a brief outline of about the same number of institutions, schools, and societies which devote only a part of their effort and resources to crippled children, or whose work is less definitely developed and standardized.

The rapid growth of work for crippled children since 1891 indicates an increasing recognition of the need, and the facts here given suggest the ways in which that need is to be met.

It is hoped that the book will be especially useful to those who are considering the question of organizing work for crippled children. To this end the work is freely illustrated by plans and photographs, accompanied by comparative statistics of the cost of lands and buildings and the expenditures for maintenance.

Especial attention is called to the work of the state institutions for crippled children in Massachusetts, New York, Minnesota, and Nebraska. These are the only institutions which are meeting adequately the needs of children in rural communities. It is doubtful whether the needs of these children can be met in any other way, and it is a significant fact that the states of Illinois and Ohio are contemplating the establishment of similar state institutions.

In the Introduction and in the descriptions of particular institutions the effort has been made to bring out the spirit of courage and optimism which animates the crippled children themselves and all who work for them. In particular, too high praise cannot be given to the orthopedic surgeons whose technical skill and personal devotion have furnished the basis for all effective efforts in behalf of crippled children.

The Department of Child-Helping of the Russell Sage Foundation will take pleasure in answering inquiries for information not covered by this volume.

## TABLE OF CONTENTS

	PAGE
PREFACE . . . . .	iii
LIST OF ILLUSTRATIONS . . . . .	vii
LIST OF TABLES . . . . .	xi
Introduction . . . . .	I
I. The Scope of the Study . . . . .	17
II. Physical Care of Crippled Children . . . . .	28
III. Special Provisions for the Education of Crippled Children . . . . .	49
IV. Hand Work and Vocational Training . . . . .	62
V. Statistics . . . . .	91
VI. Detailed Description of Institutions . . . . .	141
APPENDIX . . . . .	205
INDEX . . . . .	237

## LIST OF ILLUSTRATIONS

CONNECTICUT		PAGE
Newington	Virginia T. Smith Home for Incurables . . . . .	185
ILLINOIS		
Chicago	"Happy Haven," Summer Camp at Twin Lakes, Indiana . . . . .	15
Maywood	Home for Disabled Children	
	Miss Kittie Smith Carpentering . . . . .	65
	Miss Kittie Smith Embroidering . . . . .	64
	Miss Kittie Smith Typewriting . . . . .	65
	Miss Kittie Smith with a Pupil . . . . .	64
West Chicago	Convalescent Home for Destitute Crippled Children . . . . .	54
	Outdoor Life. . . . .	54
	School Room . . . . .	55
	Sewing Class. . . . .	55
MAINE		
Portland	Children's Hospital . . . . .	140
	First Floor Plan . . . . .	143
	Roof Garden. . . . .	140
MARYLAND		
Baltimore	Children's Hospital School . . . . .	91
	Sleeping Porch and Sun Parlor, in the Rear . . . . .	91
	Kernan Hospital and Industrial School for Crippled Children . . . . .	90
	A Brave Soldier . . . . .	24
	A Weaver . . . . .	42
	Class in Basketry. . . . .	42
	Outdoor Sleeping Porch . . . . .	42
MASSACHUSETTS		
Boston	Industrial School for Crippled and Deformed Children	
	Cane Seating. . . . .	49
	Manual Training . . . . .	49
Canton	Massachusetts Hospital School	
	Administration Building . . . . .	8

LIST OF ILLUSTRATIONS

	PAGE
Baseball Team . . . . .	59
Covered Walk . . . . .	43
Dormitories . . . . .	43
Girls' Sewing Room . . . . .	62
Infirmery Floor Plan . . . . .	161
Outdoor Class . . . . .	9
Rotunda, Hospital Building . . . . .	9
Sleeping Ward . . . . .	9
Two-story "Monitor Roof" Cottage . . . . .	162
Two-story Monitor Roof Cottage, Cross Section . . . . .	163
Wood-working Room . . . . .	62
Hyde Park	
New England Peabody Home for Crippled Children . . . . .	7
Coasting . . . . .	7
Cooking Class . . . . .	63
Industrial Room . . . . .	63
School Room . . . . .	63
Sleeping Porch in Stormy Weather . . . . .	7
MINNESOTA	
Phalen Park	
State Hospital and School for Crippled Children . . . . .	166
Boys' Ward . . . . .	166
School Room . . . . .	166
NEBRASKA	
Lincoln	
Nebraska Orthopedic Hospital	
An Outing . . . . .	14
NEW JERSEY	
Englewood	
Daisy Fields Home and Hospital for Crippled Children . . . . .	72
Cooking Class . . . . .	72
Newark	
Home for Crippled Children . . . . .	141
Orange	
New Jersey Orthopaedic Hospital and Dispensary	
Master of His Fate . . . . .	14
NEW YORK	
Buffalo	
Crippled Children's Home . . . . .	185
Coney Island	
Sea Breeze Hospital	
Outdoor Sleeping Porch . . . . .	167
The Sun Bath ("Heliotherapy") . . . . .	167
Garden City, Long Island	
House of St. Giles the Cripple	
Play Hour . . . . .	82



LIST OF ILLUSTRATIONS

	PAGE
Surgical Pavilion . . . . .	91
Surgical Pavilion, Interior . . . . .	82
United We Stand. . . . .	<i>Frontispiece</i>
<b>New York City</b>	
Association for the Aid of Crippled Children	
School Omnibus . . . . .	48
Crippled Children's East Side Free School	
Adult Cripples' Workroom. . . . .	49
Foot Race—The Start . . . . .	<i>Dedication</i>
Outdoor Sewing Class at Summer Home, Oakhurst, N. J. . . . .	37
Playground at Summer Home, Oakhurst, N. J. . . . .	37
Hospital for Deformities and Joint Diseases . . . . .	149
Outdoor Sleeping. . . . .	148
Special Gymnastics Before a Mirror . . . . .	36
Hospital for the Ruptured and Crippled. . . . .	6
First Floor Plan . . . . .	151
Fourth Floor Plan . . . . .	152
Fifth Floor Plan . . . . .	153
Sixth Floor Plan . . . . .	150
New York Orthopædic Dispensary and Hospital	
Dispensary . . . . .	155
Orthopedic Gymnastics . . . . .	36
Outdoor Clinic . . . . .	155
Public Schools	
Special Classes for Crippled Children	
Adjustable Chair and Desk . . . . .	48
Trade School of the Hospital of Hope for Crippled Men	
Class in Making of Rattan Furniture . . . . .	75
<b>Port Jefferson, Long Island</b>	
St. Charles Hospital for Crippled Children . . . . .	83
"Seeking a Shrine"—A Legend of a Crippled Child . . . . .	83
Sleeping Porch . . . . .	83
Victor Over Pain . . . . .	24
<b>Southampton, Long Island</b>	
Summer Home for Crippled Children (Conducted by the Post-Graduate Hospital of New York) . . . . .	33
A Hike . . . . .	25
Milk Between Meals . . . . .	33
The School . . . . .	33
<b>West Haverstraw</b>	
State Hospital for Crippled Children . . . . .	28
Outdoor Sleeping in Winter . . . . .	29
Outdoor Sleeping Shack, Exterior . . . . .	29
Outdoor Sleeping Shack, Interior . . . . .	29
Solarium . . . . .	28
<b>White Plains</b>	
Country Branch New York Orthopædic Hospital . . . . .	2
A Cubicle . . . . .	32

## LIST OF ILLUSTRATIONS

	PAGE
Bungalow Built by the Boys . . . . .	32
Class Room . . . . .	3
Graduates' Reunion . . . . .	3
Staff Living Room . . . . .	32
Ready for Surgeon's Weekly Inspection . . . . .	3
<b>OHIO</b>	
Cleveland	
Holy Cross House	
Gardening . . . . .	25
Public School Class . . . . .	48
Rainbow Cottage and Lakeside Hospital	
"Reconstructing the Carter Twins" . . . . .	73
<b>PENNSYLVANIA</b>	
Allentown	
Good Shepherd Home	
Friendly Visitors . . . . .	154
Philadelphia	
Home of the Merciful Saviour for Crippled Children	
"Play Ball!" . . . . .	59
House of St. Michael and All Angels	
The Nursery . . . . .	73
Widener Memorial School . . . . .	
Entrance . . . . .	17
Front View . . . . .	17
Rear View . . . . .	17
First Floor Plan . . . . .	176-177
Second Floor Plan . . . . .	178-179
Third Floor Plan . . . . .	180
Pittsburgh	
Industrial Home for Crippled Children	
Sleeping Pavilions . . . . .	184
Surgical Building Floor Plan . . . . .	184
<b>WASHINGTON</b>	
Seattle	
Children's Orthopedic Hospital	
Outdoor Sleeping (All weathers) . . . . .	148
Out-Patient Department . . . . .	154
School for Children in Bed . . . . .	58

## LIST OF TABLES

TABLE	PAGE
I A. Sources of support, capacity, children in care, and employes in 10 hospitals . . . . .	108
I B. Sources of support, capacity, children in care, and employes in 14 convalescent hospitals or homes . . . . .	109
I C. Sources of support, capacity, children in care, and employes in 13 asylum homes . . . . .	110
II A. Floor space per child in 9 hospitals . . . . .	112
II B. Floor space per child in 12 convalescent hospitals or homes . . . . .	114
II C. Floor space per child in 12 asylum homes . . . . .	116
III A. Cost of plant per capita in 7 hospitals . . . . .	118
III B. Cost of plant per capita in 12 convalescent hospitals or homes . . . . .	119
III C. Cost of plant per capita in 11 asylum homes . . . . .	120
IV A. Annual current expense per capita in 9 hospitals . . . . .	121
IV B. Annual current expense per capita in 13 convalescent hospitals or homes . . . . .	122
IV C. Annual current expense per capita in 12 asylum homes . . . . .	124
V. Sources of the income of 35 institutions . . . . .	125
VI A. Rules of admission and discharge in 10 hospitals . . . . .	128-129
VI B. Rules of admission and discharge in 14 convalescent hospitals or homes . . . . .	130-131
VI C. Rules of admission and discharge in 13 asylum homes . . . . .	132-133
VII. Children attending school: grade, work, Teachers, sessions, and equipment, in 37 institutions . . . . .	134
VIII. Hand work and vocational work in 37 institutions . . . . .	137
IX. Dispensary work of the 9 institutions having dispensaries . . . . .	140

### SPECIAL TABLES—MATERIAL NOT FOUND IN GENERAL TABLES

A. Causes of physical disability of 721 crippled children. Birmingham, England, 1911 . . . . .	21
B. Public school provision for crippled children in four cities, in the school year 1912-1913 . . . . .	56
C. Working ability of 1,001 cripples 16 years of age or more. Birmingham, England, 1911 . . . . .	67
D. Self-support among 1,001 cripples 16 years of age or more. Birmingham, England, 1911 . . . . .	68
E. Working ability of 697 cripples under 16 years of age who were not at work. Birmingham, England, 1911 . . . . .	68
F. Ratio of public funds received to the current expenses of 35 institutions . . . . .	103
G. Public funds; sources and amounts for one year in 17 institutions . . . . .	104
H. Cost of plant in the Widener Memorial School . . . . .	182
1. Current expenses for one year in the Widener Memorial School . . . . .	182
J. Square feet of floor space per child in the Widener Memorial School . . . . .	183

APPENDIX

OCCUPATIONS AND WEEKLY EARNINGS OF GRADUATES  
INDUSTRIAL SCHOOL FOR CRIPPLED AND DEFORMED CHILDREN, BOSTON,  
Massachusetts

In the course of the general survey of work for crippled children a list of former students of the Industrial School for Crippled and Deformed Children in Boston, and their present occupations, have been secured. They are printed herewith because they have some suggestive value. A detailed study of the subject should include for each employed cripple an exact statement concerning his physical ability and disability.

(Information given in response to letters in March, 1910, by graduates from the school)

Occupations	Weekly earnings	Physical difficulty
Monotype casting operator . . . . .	\$20.00	Amputation of leg
Lunch cart tender . . . . .	20.00	Amputation of leg
Manufacturing jeweler . . . . .	20.00	Hip disease
Cashier . . . . .	17.00	Hip disease
Printer of cards . . . . .	15.00	Tumor albus
Bookkeeper . . . . .	14.00	Hip disease
Town weigher . . . . .	13.50	Hip disease
In charge of sample department for manufacturer's agent . . . . .	12.00	Hip disease
Compositor . . . . .	12.00	Hip disease
Office girl . . . . .	12.00	Spinal curvature
Sales girl in department store . . . . .	10.00	Spinal curvature
Sales girl . . . . .	10.00	Pott's disease
Printer . . . . .	10.00	Pott's disease
Office girl . . . . .	10.00	Hip disease
Secretary . . . . .	9.00	Spinal curvature
Stenographer . . . . .	9.00	Hip disease
Printer . . . . .	9.00	Cured hip case
Clerk . . . . .	8.00	Pott's disease
Stenographer . . . . .	8.00	Hip disease
Shank-tacking operative in shoe factory . . . . .	7.00	Hip disease
Press feeder . . . . .	7.00	Lumbar caries
Power machine operative (on un- derwear) (Piece work) . . . . .	7.00	Amputation of ankle
Telephone operator . . . . .	6.50	Hip disease
Office worker, department store . . . . .	6.00	Lateral curvature
Stenographer . . . . .	6.00	Hip disease
Stenographer . . . . .	6.00	Hip disease
Bookkeeper . . . . .	6.00	Coxa vara of hip
Fruit and vegetable dealer . . . . .	5.00	Pott's disease
Electrical apprentice . . . . .	4.50	Tuberculosis of knee
Sorter of nails . . . . .	4.50	Lateral curvature
Curtain maker . . . . .	3.00	Amputation of leg
Chamber worker and scamstress . . . . .	1.50	Lateral curvature

## INDEX

ABBOTT, EDVILLE G., M. D., 142

ADMISSION AND DISCHARGE: age and color restrictions, 106

AID ASSOCIATIONS: in New York City, 234; Tiny Tim Fund, St. Louis, 234

ALBEE, F. H., M. D., 220

ANCKER, ARTHUR B., M. D., 144

ARCHITECTURE AND COST: ground-floor school rooms, fire-escapes, and elevators, 50; Hospital for Ruptured and Crippled, New York City, 6; leading institutions, 6, 7

ARTIFICIAL ARMS: special devices costly, 65

ASSOCIATION FOR AID OF CRIPPLED CHILDREN: New York City, 234; aid given in own homes, 2; buses furnished by, for cripples to attend public schools, 57; nurses for public school classes, 33; propaganda of work, 16

ASSOCIATION OF PUBLIC SCHOOL TEACHERS OF CRIPPLED CHILDREN: New York City, aid society, 234

ASYLUM HOMES, 186-201; admission and discharge, rules of, Table VI C, 132-133; average cost, per bed, 90, 120; capacities of, and number of children treated during year, 92, 116; characteristics of, and purposes, 26, 27; child-placing societies and homeless cripples, 11; Children's Aid Society, New York City, placing children from, 22, 23; Children's House of the Home for Incurables, Philadelphia, description of, 108, 109; Crippled Children's Home, Buffalo, N. Y., description of, 101; Daisy Fields Home and Hospital for Crippled Children, Englewood, N. J., description of, 190, 191; Darrach

### ASYLUM HOMES (*continued*)

Home for Crippled Children, New York City, description of, 191-193; for homeless children, 11; general descriptions of institutions, 206; Good Shepherd Home, Allentown, Pa., description of, 218; Happy Haven, Chicago, 92, description of, 187, 188; Holy Cross House, Cleveland, Ohio, description of, 197, 198; Home for Disabled Children, Maywood, Ill., description of, 188, 189; Home of the Merciful Saviour for Crippled Children, Philadelphia, description of, 199, 200; House of the Annunciation for Crippled and Incurable Children, 7, description of, 193-195; House of the Holy Comforter for Incurables, New York City, description of, 217, 218; House of St. Michael and All Angels, Philadelphia, description of, 200-201; incurable cases in, 21; institutions having summer homes, 186; New England Peabody Home for Crippled Children, Hyde Park, Mass., description of, 189, 190; New York Home for Destitute Crippled Children, New York City, description of, 195-197; number of employes, 94; quarantine and isolation not general, 47.48; school arrangements in, 56; statistics of annual expenses per capita, Table IV C, 124; statistics of capacity, Table I C, 110; statistics of children in care, Table I C, 110; statistics of cost of plant, Table III C, 120; statistics of employes, Table I C, 110; statistics of floor space per child, Table II C, 116; statistics of sources of support, Table I C, 110; summer homes, current expenses, 186; Virginia T. Smith Home for Incurables, Newington, Conn., description of, 186, 187

## INDEX

- BAER, WILLIAM S., M. D., 158
- BARTINE, OLIVER H., 151
- BELLEVUE HOSPITAL: New York City, training for nurses, 33
- BENJAMIN ROSE FOUNDATION, 217
- BIRMINGHAM, ENGLAND: census of cripples in 1911, 19-21, 67-68
- BLYTHEDALE: (convalescent home) Hawthorne, N. Y., description of, 220, 221
- BRACE SHOPS: adjuncts to hospitals, 29, 31
- BRACKETT, E. G., M. D., 226
- BRADFORD, EDWARD H., M. D., 161
- BRADFORD FRAMES: Providence Hospital and sea bathing, 43
- BURR, CHARLES H., 155, 172
- BUTLER, FRANCIS E., M. D., 215
- BYERS, SIR JOHN: census of cripples in Germany and England, 18
- CENSUS OF CRIPPLES: Birmingham, England, in 1911, 19-21, 67-68; no authentic census in United States, 19; organizations for relief of cripples in United States, 18-19; proportion of, in United States and Germany, 19, 20; records of crippled and deformed in England and Germany, 18-20; self-support, in England, 67-69
- CHEERFULNESS: characteristic of crippled children in institutions, 48; value of, as a curative influence, 47
- CHICAGO: outline of public school classes, 56-58; public school classes, number of, 3. See also *Home for Destitute Crippled Children*
- CHILDREN'S AID SOCIETY OF NEW YORK: disposition of children, 22, 23
- CHILDREN'S COUNTRY HOME: Westfield, N. J., description of, 218, 219
- CHILDREN'S FREE HOSPITAL: Milwaukee, description of, 211
- CHILDREN'S HOSPITAL: Boston, description of, 208, 209; social service department, 36
- CHILDREN'S HOSPITAL: Portland, Maine, description of, 142-144; dietary for, 39; infectious disease wards, 46; Maine Children's Committee, 34; outdoor space, 42; physical culture and gymnastics, 36; training school for nurses, 32; visiting nurses and out-patients, 34
- CHILDREN'S HOSPITAL SCHOOL: Baltimore, description of, 158, 159; nurses from Church Home and Infirmary, 32; outdoor sleeping porches, 42; resident physicians of, 31; wards for infectious diseases, 47
- CHILDREN'S HOUSE OF THE HOME FOR INCURABLES: Philadelphia, asylum home, 51; description of, 198, 199; number of employes, 94; school room equipment, 51; ward for infectious diseases, 48
- CHILDREN'S ORTHOPEDIC HOSPITAL: Seattle, Wash., description of, 156, 157; nurses from general hospital, 32; out-patients and visiting nurses, 34, 35
- CHILDREN'S SEA-SHORE HOUSE: Atlantic City, N. J., description of, 212, 213
- CILLEY, ARTHUR H., M. D., 192
- CLASSIFICATION OF CRIPPLES: committee on education, Birmingham, England, 19-20; maimed and diseased, 20; relative proportion of types, 20
- CLINICS: Crippled Children's East Side Free School, New York City, 33; Miss Spence's School Society, New York City, 33
- CLOTHING, AIR, SUNLIGHT: country locations for tuberculous children, 43; Home for Destitute Crippled Children, outdoor sleeping, 41; institutional provisions for, 40-44; New York State Hospital, West Haverstraw, outdoor sleeping, 41; outdoor living and school classes, institutions which provide, 40-44; outdoor space, special provision for, 42; Sea Breeze Hospital, Coney Island, N. Y., 43, 44; uniform dress in institutions, 41; Van Leuven Browne Hospital School, Detroit, outdoor sleeping, 41

## INDEX

- CONNECTICUT:** Virginia T. Smith Home for Incurables, Newington, 11, 31, 42, 48, 92, description of, 186-187
- CONVALESCENT CHILDREN'S HOME:** Chappaqua, N. Y.; description of, 213
- CONVALESCENT HOMES:** admission and discharge, rules of, Table VI B, 130-131; advantages of, in cost and permanent cures, 14; auxiliaries to orthopedic hospitals, 13; average cost, per bed, 98, 119; capacity of, 14, and number of children cared for during year, 92, 114-115; characteristics of, and purposes, 26; Children's Hospital School, Baltimore, description of, 158, 159; Children's Sea-Shore House, Atlantic City, N. J., description of, 212, 213; Convalescent Children's Home, Chappaqua, N. Y., description of, 213; Convalescent Home for Destitute Crippled Children, Chicago, 157, 158; Convalescent Home of Boston Children's Hospital, description of, 211, 212; cost of land for, 100; Country Branch and Industrial School of New York Orthopedic Hospital and Dispensary, 172, 173; Country Convalescent Hospital, Rochester, N. Y., description of, 213-214; examples of, 7; general descriptions of institutions, 205, 206; House of St. Giles the Cripple, Garden City, N. Y., description of, 168-169; Industrial Home for Crippled Children, Pittsburgh, description of, 184, 185; isolation and infectious diseases, 46, 47; Kernan Hospital School, Baltimore, description of, 159-161; Massachusetts Hospital School, description of, 161-165; Minnesota State Hospital and School, description of, 166, 167; number of employes, 94; quarantine provisions for, 46, 47; Rainbow Cottage, Cleveland, Ohio, description of, 216, 217; St. Agnes Hospital for Crippled and Atypical Children, White Plains, N. Y., description of, 215; St. Charles Hospital for Crippled Children, Port Jefferson, N. Y., description of, 169-170, number of employes, 94; Sea Breeze Hospital, New York, description of, 167, 168; school work, more extensive than in hospitals, 55; Sewickley Fresh Air Home, Sewickley, Pa., description of, 185, 186; State Hospital for Care of Crippled and Deformed Children, West Haverstraw, N. Y., 170-172; statistics of annual expense per capita, Table IV B, 122; statistics of capacity, Table I B, 109; statistics of children in care, Table I B, 109; statistics of cost of plant, Table III B, 119; statistics of employes, Table I B, 109; statistics of floor space per child, Table II B, 114; statistics of sources of support, Table I B, 109; types of special excellence, 7; Van Leuven Browne School, Detroit, capacity of, 92, description of, 165; Widener Memorial School for Crippled Children, Philadelphia, description of, 173-183, number of employes, 94
- CONVALESCENT HOME FOR DESTITUTE CRIPPLED CHILDREN:** West Chicago, description of, 157-158; outdoor sleeping porches, 42; strictly convalescent institution, 7
- CONVALESCENT HOME OF BOSTON CHILDREN'S HOSPITAL:** description of, 211, 212
- COST OF PLANTS:** a comparison of, 98; average for asylum homes, per bed, 99-100, 120; average for convalescent homes, per bed, 98, 119; average for hospitals, per bed, 118; equipment, furniture, and miscellaneous, 100; lands and buildings, 100
- "COTTAGE AND CONGREGATE INSTITUTIONS":** floor space of institutions, 96
- COUNTRY BRANCH HOMES:** convalescence best promoted in, 13
- COUNTRY BRANCH OF NEW YORK ORTHOPÆDIC HOSPITAL:** cripples assume work, 4; description of, 7, 172-173; floor space of, 96; resident physicians of, 31; separate wards for infectious diseases, 47; special outdoor space, 42

## INDEX

- COUNTRY BRANCH MINNESOTA STATE HOSPITAL:** physical culture and gymnastics, 36; quarantine ward of, 47. See also *Minnesota*
- COUNTRY CONVALESCENT HOSPITAL:** Rochester, N. Y., description of, 213-214
- COUNTRY INSTITUTIONS:** trades taught in formal classes, 74-75
- CRAWFORD ALLEN MEMORIAL HOSPITAL:** North Kingston, R. I., description of, 225, 226
- CRIPPLED CHILDREN'S DRIVING FUND:** aid given in own homes, 2
- CRIPPLED CHILDREN'S EAST SIDE FREE SCHOOL:** New York City, description of, 59, 228-230; fresh air provided, 43; sewing classes and embroidery, 82; weekly clinics and surgical work, 33
- CRIPPLED CHILDREN'S HOME:** Buffalo, N. Y., description of, 191; special outdoor space, 42
- CROFUT, MARTHA M., M. D.,** 188
- CURRENT EXPENSES:** annual, for hospitals, convalescent and asylum homes, 100-102, 121-124; per child, in asylum homes, 100, 124; per child, in convalescent homes, 100, 122; per child, in hospitals, 100, 121
- CURRICULUM:** hours of sessions, 52-53; similar to regular schools, 52
- DAISY FIELDS HOME AND HOSPITAL FOR CRIPPLED CHILDREN:** Englewood, N. J., description of, 190, 191; graduate nurses employed, 32
- DARRACH HOME FOR CRIPPLED CHILDREN:** New York City, description of, 191-193
- DAVIS, G. G., M. D.,** 173, 211
- DAY SCHOOLS:** classes needed, 21, 23, 24; descriptions of, 207, 208, 226-234; Crippled Children's East Side Free School, New York City, description of, 228-230; Industrial School for Crippled and Deformed Children, Boston, description of, 226-
- DAY SCHOOLS (continued)**  
228; Miss Spence's School Society, New York City, description of, 230, 231; nurses and physical care, 33; Rhinelander Industrial School, New York City, description of, 231; Trade School of the Hospital of Hope, New York City, description of, 231-233; William H. Davis Free Industrial School, New York City, description of, 233, 234
- DEPARTMENT OF EDUCATION:** New York City, record cards and physical culture, 38
- DICKSON, FRANK, M. D.,** 199, 212
- DIETARY:** food costs, per person fed, 102; New York Orthopaedic Dispensary and Hospital, trained dietitian, 40; Sewickley Fresh Air Home, Sewickley, Pa., 40; special, nourishing food essential, 39
- DISPENSARIES:** efficiency of service, 15, 33-36; Hospital for Ruptured and Crippled, work done by, 107; in hospitals and convalescent homes, 33-36; Lakeside Hospital, Cleveland, Ohio, visiting nurses, 35; New York Orthopaedic Dispensary and Hospital, system of supervision, 35; number in seven cities, 107; out-patients and daily attendance, 107; out-patients and visiting nurses, 34-36, 140; special schools a corollary of, 15; statistics of work in nine institutions, Table IX, 140; when open, 107
- EAGLESON, JAMES B., M. D.,** 156
- EDUCATION:** buses for school children, 52; Chicago public school classes, 56, 57, 58; Cleveland public school classes, 56, 58; Crippled Children's East Side Free School, New York City, 59; curriculum parallel to regular schools, 52; Detroit public school classes, 56, 58; differences in school work, 55-56; Industrial School for Crippled and Deformed, Boston, special building, 54; Massachusetts Hospital School, outdoor classes and equipment, 51, 53, 54; Miss Spence's School Society, class on steamer deck, 59, 60; New



## INDEX

### EDUCATION (*continued*)

York City public school classes, 56-57; outdoor school classes a healthful factor, 53-55; Philadelphia, public school classes opened, 1913, 56; problems to be met for curable and incurable cripples, 49-50; public and private pay schools, 49-61; scope of school work in hospital, convalescent, and asylum homes, 55-56; Sea Breeze Hospital, Coney Island, outdoor teaching, 54; Sewickley Fresh Air Home, outdoor school, 54; summer school at Oakhurst, N. J., subsidiary of East Side Free School, 59

ELMER, WALTER G., M. D., 200

EMPLOYEES: cheerful spirit of, 3, 4; crippled, aid in institutional work, 3, 4, 48

ENGLAND: census of Birmingham, in 1911, 67-68; census report of deformed, 18-20; report of census committee on workshops for cripples, 68-69

FASSETT, FRED J., M. D., 156

FEDERATION OF ASSOCIATIONS FOR CRIPPLES: New York City, aid society, 234; outdoor school rooms in winter discussed, 43; statement by Dr. Henry Frauenthal, on benefits of sunlight, 44

FINE ARTS: music taught in many institutions, 86-87

FISH, JOHN E., M. D., 161

FISKE, JAMES PORTER, M. D., 233

FITCH, RALPH R., M. D., 213

FOOD COSTS: per person fed, 102, 121

FRAUENTHAL, HENRY W., M. D., 44, 149

FRAZIER, CHARLES H., M. D., 199

GARDENING: advantageous for tuberculosis cases, 74; country institutions which teach, 74; Massachusetts Hospital School, farm work and gardening, 74

GERMANY: Professor Lange, of Munich, and number of crippled children,

### GERMANY (*continued*)

18, 19; Sir John Byers and census of cripples, 18

GIBNEY, VIRGIL P., M. D., 151

GILLETTE, ARTHUR J., M. D., 145, 166

GOOD SHEPHERD HOME: Allentown, Pa., description of, 218

GYMNASTICS: special teachers and apparatus, 36-37

HAND WORK IN 37 INSTITUTIONS: statistics, Table VIII, 137

HAPPY HAVEN: Chicago, capacity of, 92; description of, 187, 188; number of employes, 94

HAXTUN COTTAGE: Bath Beach, N. Y., description of, 221, 222

HELIO THERAPY: benefits derived from, in bone tuberculosis, 43, 44; constant use of, at Sea Breeze Hospital, New York, 44; use of, at Providence Hospital, for tuberculosis, 44

HIBBS, RUSSELL A., M. D., 155, 172, 210

HOLY CROSS HOUSE: Cleveland, Ohio, description of, 197, 198; graduate nurses employed, 32; physical culture and gymnastics, 36; school classes, where held, 54; special outdoor space, 42

HOME FOR CRIPPLED CHILDREN: Newark, N. J., description of, 147, 148; number of employes, 93

HOME FOR DESTITUTE CRIPPLED CHILDREN: Chicago, description, 4, 5, 141, 142; infectious disease wards, 45; nurses from Presbyterian Hospital, 32; outdoor sleeping, 41; physical culture and gymnastics, 36

HOME FOR DISABLED CHILDREN: Maywood, Ill., description of, 188, 189; founder of and teacher, a cripple, Miss Kittie Smith, a wonderful example of vocational training, 4, 64; special outdoor space, 42

HOME FOR INCURABLES: Newington, Conn., 186, 187; minor operations performed, 31; outdoor sleeping porches, 42; quarantine and isolation building, 48; special outdoor space, 42

## INDEX

- HOME OF THE MERCIFUL SAVIOUR FOR CRIPPLED CHILDREN:** Philadelphia, description of, 199, 200; graduate nurses of, 32; isolation suites for infectious diseases, 48; minor operations performed, 31; sewing done informally, 73
- HOSPITALS:** admission and discharge, rules of, Table VI A, 128-129; average cost per bed, 98, 118; characteristics of, and purposes, 26; Children's Free Hospital, Milwaukee, description of, 211; Children's Hospital, Boston, description of, 208, 209; Children's Hospital, Portland, Maine, description of, 142-144; Children's Orthopedic Hospital, Seattle, Wash., 156, 157; cost of land for, 100; descriptions of, 141-157; difference between general and convalescent, 26; floor space per child, Table II A, 112; general descriptions of institutions, 205; Home for Crippled Children, Newark, N. J., 147, 148; Home for Destitute Crippled Children, Chicago, description of, 141, 142; Hospital for Deformities and Joint Diseases, New York City, description of, 149, 150; Hospital for the Ruptured and Crippled, New York City, capacity of, 92, description of, 151-155; Nebraska Orthopedic Hospital, description of, 146, 147; New Jersey Orthopaedic Hospital and Dispensary, 92, description of, 148, 149; New York City Children's Hospital, description of, 209, 210; New York Orthopaedic Dispensary and Hospital, 155, 156; number of employes, 93-94; orthopedic wards in, 234; Philadelphia Orthopaedic Hospital and Infirmary for Nervous Diseases, description of, 211; school work different from that in convalescent homes, 55; Seton Hospital, New York City, description of, 210; State Hospital for Indigent, Crippled, and Deformed Children, St. Paul, description of, 144-145; statistics of annual expense per capita, Table IV A, 121; statistics of capacity, Table I A, 108; statistics of children in care, Table I A, 108; statistics of cost of plant, Table
- HOSPITALS (continued)**  
 III A, 118; statistics of employes, Table I A, 108; statistics of floor space per child, Table II A, 112; statistics of sources of support, Table I A, 108; total capacities of, 10, and number of children cared for during year, 92
- HOSPITAL FOR DEFORMITIES AND JOINT DISEASES:** New York City, description of, 149, 150; number of employes, 93; outdoor sleeping porches, 42, 43; physical culture and gymnastics, 36; planning country branch, 13
- HOSPITAL FOR THE RUPTURED AND CRIPPLED:** New York City, capacity of, 92; description of, 151-155; dispensary work, scope of, 107; extensive outdoor space, 42; most complete in United States, 6; physical culture and gymnastics, 36; planning country branch, 13; spacious isolation ward, 46; vocational training provided, 4, 71
- HOSPITAL OF UNIVERSITY OF PENNSYLVANIA:** Philadelphia, complete gymnasium, specialist teacher, 36; orthopedic wards in, 234; social service department of, 35
- HOUSE OF HOLY COMFORTER FOR INCURABLES:** New York City, description of, 217, 218
- HOUSE OF ST. GILES THE CRIPPLE:** Garden City, N. Y., description of, 168, 169; sewing done informally, 73; special outdoor space, 42
- HOUSE OF ST. MICHAEL AND ALL ANGELS:** Philadelphia, description of, 200-201; domestic training, 73; special outdoor space, 42
- HOUSE OF THE ANNUNCIATION FOR CRIPPLED AND INCURABLE CHILDREN:** New York City, description of, 193-195; example of asylum home, 7; ward for infectious diseases, 48
- HUMPHRIES, ROBERT E., M. D.,** 148
- HUTCHINS, JAMES H., M. D.,** 167

## INDEX

- ILLINOIS:** Convalescent Home for Crippled Children, 7, description of, 157-158, special outdoor space, 42; Happy Haven, Chicago, 92, 94, description of, 187-188; Home for Destitute Crippled Children, Chicago, 4, 5, 32, 36, 41, 45, 141-142; Home for Disabled Children, Maywood, 4, 42, 64; Illinois State Eye and Ear Infirmary, a preventive institution, 7; public school classes in Chicago, 3, 56-58
- ILLUSTRATIONS:** list of, ix
- INCOME:** public funds, donations, and invested funds as bases, 102-105; public funds for current expenses, 102-104; sources of, for institutions, 102; sources of, statistics for 35 institutions, Table V, 125
- INDUSTRIAL HOME FOR CRIPPLED CHILDREN:** Pittsburgh, description of, 184, 185
- INDUSTRIAL SCHOOL FOR CRIPPLED AND DEFORMED CHILDREN:** Boston, 60-61, 81-82, description of, 226-228; occupations and earnings, 235; printing plant a profitable enterprise, 85-86; special outdoor school building, description of, 54
- INFECTION:** quarantine to prevent, 45-48
- INSTITUTIONS:** absence of political control, 5; architecture and cost, 6, 7, 118-120; character of employes, 3-5; classification of, 2, 25; cripples aided in their own homes, 2; current expenses, 100-102, 121-124; date of opening in 13 states, 6; expenses per capita, 11; first American study of construction and management, 1; five forms of work recognized by Miss Reeves, 13; floor space per child, 95, 98, 112-116; gradual development of, 5; hospital rates per capita, compared with convalescent and asylum homes, 11; majority near large cities, 25; number and capacities of, 2, 5; physical conditions in, 38-39; protracted care and objections to, 23; spirit which animates the work, 3-5; surgical and hygienic standards, 38-39; work assumed by cripples, 3
- JACKSON, EGERTON S., M. D.,** 195
- JAEGER, CHARLES, M. D.,** 231
- JOHNS HOPKINS HOSPITAL:** Baltimore, orthopedic wards in, 234; social service department of, 36
- KELLEY, S. W., M. D.,** 197
- KERNAN HOSPITAL SCHOOL:** Baltimore, description of, 159-161; isolation tent for quarantine, 47; measures to prevent infection, 45; nurse maids' training school, 33; outdoor sleeping porches, 42; stenography and typewriting taught, 74; superintendent and resident physicians of, 30, 31
- KINDERGARTEN WORK:** and vocational training, 71, 78, 79, 80, 81
- LAKESIDE HOSPITAL:** Cleveland, dispensary cases and visiting nurses, 35; orthopedic wards in, 234
- LANGE, PROFESSOR:** number of crippled children in Germany, 18, 19
- LE BRETON, PRESCOTT, M. D.,** 191
- LITTLE, MARGARET,** 157
- LORD, J. P., M. D.,** 146
- LOVETT, ROBERT W., M. D.,** 161, 189, 208
- MCMURTRIE, DOUGLAS C.:** bibliography on care of crippled children, 17; pamphlet on care of crippled children in America, 1
- MAINE:** Children's Hospital, Portland, 32, 33, 34, 36, 39, 42, 46, 142-144
- MARYLAND:** Children's Hospital School, Baltimore, 31, 32, 42, 158-159; Kernan Hospital School, Baltimore, 33, 42, 45, 74, 83, 87, 159-161; Johns Hopkins Hospital, Baltimore, 36, 234
- MASSACHUSETTS:** bill for state institution, 5; Children's Hospital, Boston, 30, 36, 208-209, 211-212; Industrial School for Crippled and Deformed Children, Boston, 54, 60, 81, 82, 85, 87, 226-228, 235;

## INDEX

- MASSACHUSETTS (continued)**  
 Massachusetts Hospital School, 75-77, 161, 165; New England Peabody Home, Hyde Park, 31, 32, 42, 189-190; state institutions, one, 104
- MASSACHUSETTS HOSPITAL SCHOOL:** Canton, 6, 7, 42, 51, 86; description of, 161-165; capacity of, for occupational training, 75; features of outdoor school classes, 53-54; interesting developments in occupational training, 77; natural aptitude a guide for occupational work, 76; physical culture and gymnastics, 36; quarantine and isolation rooms, 46, 47; resident physicians of, 31; report as to grading in school classes, 53; school equipment, 51; special domestic training, 72-73; vocational work for girls, 77
- MECHANICAL TRADES:** Industrial School, Boston, printing plant made profitable, 85-86; institutions where taught, 84-86; William H. Davis Industrial School, wood-working and wood carving, 85
- MERRILL, WILLIAM JACKSON, M. D.,** 212
- MEVIS, LYMAN, REV.,** 184
- MICHIGAN:** Van Leuven Browne Hospital School, Detroit, description of, 165; outdoor sleeping, 41
- MINNESOTA:** Minnesota State Hospital, St. Paul, 144, 145; first state hospital, in 1897, 7; Minnesota State Hospital and School, Phalen Park, 7, 36, 45, 166, 167; mechanical trades taught, 84, 85; St. Paul City and County Hospital, 5; school classes in hospitals, 55; state institutions, two, 104
- MINNESOTA STATE HOSPITAL:** St. Paul, description of, 144-145; hospital for contagious diseases and quarantine, 45; number of employes, 93; origin of, 5; skill and efficiency of surgeons, 8
- MINOR OPERATIONS:** where performed, 30, 31
- MISS SPENCE'S SCHOOL SOCIETY:** New York City, description of, 230, 231; open-air classes on steamer, 59, 60; weekly clinics and surgical work, 33
- MORRILL, GORDON N., M. D.,** 197, 216
- MOSHER, BURR BURTON, M. D.,** 168
- MYERS, T. HALSTEAD, M. D.,** 193
- NEBRASKA:** Nebraska Orthopedic Hospital, Lincoln, 29, 32, 71; cataloguing and library work taught, 73; description of, 146-147; outdoor sleeping porches, 42; salaried surgeon-in-chief, 29; school classes in hospital, 55; state institution, 104; training school for nurses, 32
- NEW ENGLAND PEABODY HOME:** Hyde Park, Mass., description of, 189-190; graduate nurses employed, 32; isolation for infectious diseases, 48; minor operations performed, 31; outdoor sleeping porches, 42
- NEW JERSEY:** Children's Country Home, Westfield, description of, 218-219; Children's Sea-Shore House, Atlantic City, 212-213; Daisy Fields Home, Englewood, 32, description of, 190-191; Home for Crippled Children, Newark, 93, description of, 147-148; New Jersey Orthopaedic Hospital, Orange, 92
- NEW JERSEY ORTHOPAEDIC HOSPITAL:** Orange, capacity of, 92; description of, 148-149
- NEW YORK:** Association for Aid of Crippled Children, New York City, 2, 33; Association for Improving Condition of the Poor, 3; Bellevue Hospital, New York City, training for nurses, 33; Blythedale Convalescent Home, Hawthorne, description of, 220-221; Children's Aid Society, 22, 23; Convalescent Children's Home, Chappaqua, description of, 213; Country Branch New York Orthopaedic Hospital, 31, 42, donor of, 4, floor space, 96, description of, 172-173; Country Convalescent Hospital, Rochester, description of, 213-214; Crippled Children's Driving Fund, New

## INDEX

### NEW YORK (*continued*)

York City, 2; Crippled Children's East Side Free School, New York City, 33, 43, description of, 228-230; Crippled Children's Home, Buffalo, 42, description of, 191; Darrach Home for Crippled Children, 191-192, summer home, 192-193; Dr. Henry Frauenthal discusses heliotherapy, 44; East Side Free School, New York City, 82, 87; Federation of Associations for Cripples, April, 1913, 43; Haxtun Cottage, Bath Beach, description of, 221-222; Home for Destitute Crippled Children, 195-196, summer home, 196-197; Hospital for Deformities and Joint Diseases, New York City, 13, 36, 42, 43, 93, description of, 149-150; Hospital for Ruptured and Crippled, 4, 6, 36, 42, 46, 71, 84, 92, 107, description of, 151-155; House of St. Giles the Cripple, Garden City, N. Y., 42, description of, 168-169; House of the Annunciation, 7, 86, description of, 193-194, summer home, 194-195; House of the Holy Comforter for Incurables, 217-218; Miss Spence's School Society, 33, description of, 230-231; New York City Children's Hospital, description of, 200-210; New York Orthopedic Dispensary and Hospital, New York City, 35, 36, 40, 42, 93, description of, 155-156; New York State Hospital, West Haverstraw, 8, 36, 41, 71, 83, description of, 170-172; isolation for contagious diseases, 46; Post-Graduate Hospital, New York City, 35; public school classes, outline of work, 56, 57; Rhinelander Industrial School, 60, 84, description of, 231; Robin's Nest, Tarrytown-on-Hudson, description of, 223-225; St. Agnes Hospital, White Plains, 215-216; St. Charles Hospital, Port Jefferson, 31, 33, 42, 74, 83, 94, 96, description of, 169-170; Sea Breeze Hospital, Coney Island, 43, 44, 54; description of, 167-168; Seaside Home, Arverne, description of, 219-220; Summer Home for Crippled Children, Sheepshead Bay, description of, 222; Summer Home for Crippled Children, Southamp-

### NEW YORK (*continued*)

ton, 222-223; Trade School of Hospital of Hope, New York City, 65, description of, 231-233; two institutions established in New York City between 1863 and 1890, 6; William H. Davis Free Industrial School, industrial and kindergarten work, 60, 85, 87, description of, 233-234

NEW YORK ASSOCIATION FOR IMPROVING THE CONDITION OF THE POOR: "Smiling Joe," 3

NEW YORK CITY CHILDREN'S HOSPITAL: description of, 209, 210

NEW YORK HOME FOR DESTITUTE CRIPPLED CHILDREN: New York City, 22, 48, description of, 195-197

NEW YORK HOSPITAL FOR DEFORMITIES AND JOINT DISEASES: New York City. See *Hospital*

NEW YORK HOSPITAL FOR RUPTURED AND CRIPPLED: New York City. See *Hospital*

NEW YORK ORTHOPÆDIC HOSPITAL: New York City, description of, 155-156; housekeeper a trained dietitian, 40; number of employes, 93; physical culture and gymnastics, 36; record of visiting nurses, 35; special outdoor space, 42

NEW YORK POST-GRADUATE HOSPITAL: orthopedic wards in, 234

NEW YORK STATE HOSPITAL: West Haverstraw, 170-172; outdoor school classes, report for 1912, 54, 55; outdoor sleeping pavilion, 41; physical culture and gymnastics, 36; resident physicians of, 31; salaried surgeon-in-chief, 20; special field the rural districts, 8; stenography and type-writing taught, 71

NURSES: Association for Aid of Crippled Children, New York City, provides public school nurses, 33; Bellevue Hospital, New York City, training, 33; Children's Hospital, Portland, Maine, 32, 33; Children's Orthopedic Hospital, Seattle, Wash., out-patients visited, 34, 35; dispensaries and out-patients, 34-36; employed in convalescent homes,

## INDEX

### NURSES (*continued*)

32; for day and private schools, 33; Hospital of University of Pennsylvania, 35; in asylum homes, 32; in hospitals, 32; institutional training for, 32, 33; Kernan Hospital School, Baltimore, training for nurse maids, 33; Lakeside Hospital, Cleveland, Ohio, public school service, 35; Nebraska State Hospital, training school for, 32; New York Orthopædic Dispensary and Hospital, visiting nurses, 35; Post-Graduate Hospital, New York City, 35-36; Sunbeam Circle, Cleveland, provides public school nurses, 33; training school at St. Charles Hospital, Port Jefferson, N. Y., 33

NUTT, JOHN JOSEPH, M. D., 171

OCCUPATIONS AND EARNINGS: Industrial School for Crippled and Deformed Children, Boston, 235

Ogilvy, CHARLES, M. D., 209

OHIO: Holy Cross House, Cleveland, 32, 36, 42, description of, 197-198; Lakeside Hospital, Cleveland, 35; public school classes in Cleveland, 3; public school work, 56, 58; Rainbow Cottage, Cleveland, 35, description of, 216-217; Sunbeam Circle, Cleveland, 33, 58

OPERATIONS: minor, where performed, 30, 31

ORR, H. WINNETT, M. D., 146

ORTHOPEDIC HOSPITALS: continue establishment of, 13; dispensary service in, 15

ORTHOPEDIC WARDS: in general hospitals, 234

OUTDOOR SCHOOLS: discussion of, by Federation of Associations for Cripples, 1913, 43; efficacy of, 53-55; Industrial School for Crippled and Deformed Children, 54; Massachusetts Hospital School, classes and equipment, 53, 54; Sea Breeze Hospital, Coney Island, special plan for, 54; Sewickley Fresh Air Home, 54

OUTDOOR SLEEPING: hospitals which provide, 41-44; Industrial Home for Crippled Children, Pittsburgh, sleeping pavilions, 41-42

OUT-PATIENTS: Children's Orthopedic Hospital, Seattle, Wash., visiting nurses, 34, 35; dispensaries and visiting nurses, 34-36

PARALYSIS: gymnastic classes and special equipment, 37

PENNSYLVANIA: Children's House of the Home for Incurables, Philadelphia, 7, 51, 94; description of, 198; establishment of three institutions in Philadelphia between 1863 and 1890, 6; Good Shepherd Home, Allentown, description of, 218; Home of the Merciful Saviour, Philadelphia, 31, 32, description of, 199; House of St. Michael and All Angels, 42, 70, 73, description of, 200-201; Hospital of University of Pennsylvania, 35, 36; Industrial Home for Crippled Children, Pittsburgh, 41-42, 55, description of, 184-185; Philadelphia Orthopædic Hospital and Infirmary, description of, 211; Sewickley Fresh Air Home, 40, 54, description of, 185-186; Widener Memorial School, Philadelphia, 4, 6, 30, 31, 32, 36, 37, 42, 46, 75, 80, 83, 86, 87, 88, 94, description of, 173-183

PEOPLE'S UNIVERSITY EXTENSION SOCIETY: physical culture teachers sent to asylum homes, 37, 38

PETERS, JOHN M., M. D., 225

PHILADELPHIA ORTHOPÆDIC HOSPITAL AND INFIRMARY FOR NERVOUS DISEASES: description of, 211

PHYSICAL CARE: charity work and surgeons, 28-29; modern equipment in hospitals, 29-30; outdoor sleeping, hospitals which provide, 41-44; surgical care and appliances, 28-32; visiting surgeons to hospitals and homes, 29-30

PHYSICAL CULTURE: Children's Hospital, Portland, Maine, special gymnastic apparatus, 36; Country Branch Minnesota State Hospital, Phalen Park, 36; Department of

## INDEX

### PHYSICAL CULTURE (*continued*)

Education, New York City, 38; Holy Cross House, Cleveland, Ohio, 36; Home for Destitute Crippled Children, Chicago, 36; Hospital for Deformities and Joint Diseases, New York City, 36; Hospital for Ruptured and Crippled, New York City, 36; Hospital of University of Pennsylvania, complete gymnasium, 36; Massachusetts Hospital School, Canton, 36; New York Orthopaedic Dispensary and Hospital, New York City, 36; New York State Hospital, special apparatus, 36; opinions as to desirability in public schools, 38; People's University Extension Society, teachers for, 37, 38; Widener Memorial School, equipment, 36, 37

PLUMMER, WARD, M. D., 191

PORTER, JOHN LINCOLN, M. D., 141

POST-GRADUATE HOSPITAL: New York City, services of visiting nurse, 35-36

PRIVATE DAY SCHOOLS: number in New York City, 59-61

PROTRACTED INSTITUTIONAL CARE: objections to, 23

PROUTY, FLORENCE E., Miss, 187

PUBLIC SCHOOLS: buses and nurses, New York City, 57; Chicago board of education finances work, 58; four in Cleveland, 3; hot lunches served cripples, 52; Industrial Home for Crippled Children, Pittsburgh, Pa., 55; in New York City, 3; one in Detroit, 3; outline of work in Chicago, 56, 58; outline of work in Cleveland, 56, 58; outline of work in Detroit, 56, 58; outline of work in New York City, 56, 57; organized in four cities, 56-58; seven in Chicago, 3; special equipment of classes, 49-58; teachers receive extra salary in Chicago, Detroit, and New York, not in Cleveland, 56-59

QUARANTINE: facilities for, in asylum homes, 47, 48; Hospital for Ruptured and Crippled, New York City, 40; infections isolated, 44-

### QUARANTINE (*continued*)

47; infectious disease wards in Children's Hospital, Portland, Maine, 46; isolation provisions for asylum homes, 47, 48; Massachusetts Hospital School, special isolation provisions, 46, 47; Minnesota State Hospital, isolation of contagious diseases, 45; special provisions for, in convalescent homes, 46, 47; Widener Memorial School, fireproof isolation buildings, 46

RAINBOW COTTAGE: country home of Lakeside Hospital, Cleveland, Ohio, 35; description of, 216, 217

RAKER, JOHN H., Rev., 218

RHINELANDER INDUSTRIAL SCHOOL: description of, 231; financed by Children's Aid Society, 60; jewelry making class and apprenticeship, 66; jewelry class taught by expert, 84

RHODE ISLAND: Crawford Allen Memorial Hospital, North Kingston, description of, 225-226; Summer Branch Providence Hospital, sea bathing for children on frames, 43

RIDLON, JOHN, M. D., 157

ROBIN'S NEST: Tarrytown, N. Y., description of, 223-225

ROOT, J. E., M. D., 186

ST. AGNES HOSPITAL FOR CRIPPLED AND ATYPICAL CHILDREN: White Plains, N. Y., description of, 215-216

ST. CHARLES HOSPITAL: Port Jefferson, N. Y., 42, description of, 169-170; floor space of, 96; organizing training school, 33; resident physicians of, 31; separate wards for infectious diseases, 47; sewing classes, 83

ST. LOUIS CHILDREN'S HOSPITAL: orthopedic wards with dispensary service, 234

ST. PAUL CITY AND COUNTY HOSPITAL: state use of, 5

## INDEX

- SANATORIUM FOR HEBREW CHILDREN:** Rockaway Park, N. Y., orthopedic wards in, 234
- SCHOOLS FOR CRIPPLES:** ground-floor rooms and equipment, 50-51
- SCHOOLS IN 37 INSTITUTIONS:** adjustable seats and desks, 50-51; statistics of attendance, grade work, Table VII, 134; statistics of teachers, sessions, equipment, Table VII, 134; teachers and equipment, vocational training, 106-107
- SEA BREEZE HOSPITAL:** Coney Island, N. Y., description of, 167, 168; heliotherapy for tuberculous sinuses, 44; isolation for infectious diseases, 47; outdoor school classes, 54; sea air and salt water benefits, 43
- SEASIDE HOME FOR CRIPPLED CHILDREN:** Arverne, N. Y., description of, 219, 220
- SETON HOSPITAL:** New York City, description of, 210
- SEWICKLEY FRESH AIR HOME:** Pittsburgh, description of, 185, 186; dietary for, 40; isolation for infectious diseases, 47; outdoor school building, 54
- SHAFER, DR. NEWTON M.:** advocates cottage plan for crippled and deformed, 14
- SHAFOR, H. A., M. D.,** 165
- SHARPLES, CASPER W., M. D.,** 156
- SMITH, MISS KITTIE:** armless founder and teacher of Home for Disabled Children, Maywood, Illinois, 4, 64
- SOCIAL SERVICE:** Children's Hospital, Boston, 36; department at Johns Hopkins Hospital, 36; visiting nurses and auxiliaries for, 33-36
- SOUTTER, ROBERT, M. D.,** 161
- SPECIAL HANDICRAFTS:** institutions which teach, 83-84
- SPEESE, JOHN, M. D.,** 198
- STATE HOSPITALS:** advocated, 14; first established in Minnesota in 1897, 7; need of, in rural districts, 8; social service needed to reach cripples in rural districts, 9
- STATE HOSPITAL FOR CARE OF CRIPPLED AND DEFORMED CHILDREN:** West Haverstraw, N. Y., description of, 170-172
- STATE HOSPITAL FOR INDIGENT CRIPPLED AND DEFORMED CHILDREN:** St. Paul, description of, 144-145, 166-168
- STATE INSTITUTIONS:** maintenance and control, 104, 106
- STATISTICAL INFORMATION:** children cared for during year, 9; comparative cost of hospitals, convalescent homes, and asylum homes, 10; cost of hospitals per capita, 10; cost of land, and buildings and equipment, 10; number of employes, 9; summaries of, 91-107; Tables I to IX, 108-140
- STATISTICAL TABLES:** list of, xiii
- SUMMER HOME FOR CRIPPLED CHILDREN:** Sheepshead Bay, N. Y., description of, 222
- SUMMER HOMES:** Blythedale, Hawthorne, N. Y., description of, 220, 221; Children's Country Home, Westfield, N. J., description of, 218, 219; Crawford Allen Memorial Hospital, North Kingston, R. I., description of, 225, 226; Darrach Home, Pelham Bay Park, N. Y., description of, 192, 193; descriptions of, 206-207, 218-226; Happy Haven, Twin Lakes, Indiana, description of, 188; Haxtun Cottage, Bath Beach, N. Y., description of, 221, 222; Home of the Merciful Saviour, summer branch, Avon-by-the-Sea, N. J., description of, 199, 200; House of the Annunciation, summer home, description of, 194, 195; New York Home for Destitute, summer branch, description of, 196, 197; Robin's Nest, Tarrytown, N. Y., description of, 223-225; Seaside Home for Crippled Children, Arverne, N. Y., description of, 219, 220; Summer Home for Crippled Children, Southampton, N. Y., description of, 222, 223
- SUNBEAM CIRCLE:** Cleveland, Ohio, nurses for public school classes, 33, 58



## INDEX

- TAYLOR, HENRY LING, M. D., 190
- TAYLOR, R. TUNSTALL, M. D., 159
- THORNDIKE, AUGUSTUS, M. D., 161
- TINY TIM FUND: St. Louis, aid society, 234
- TRADE SCHOOL OF THE HOSPITAL OF HOPE FOR INJURED AND CRIPPLED: established by Dr. Jaeger in New York, a success, 65-66; description of, 231-233
- TREATMENT AND AFTER-CARE: considerations in placing cripples, 24, 25; convalescent hospitals for joint tuberculosis, 22; day schools and convalescent hospitals needed, 21; different types of institutions necessary, 21; medical care and asylum homes, 22; segregation of crippled children, 23
- TUBERCULOSIS OF THE BONES: convalescent hospitals preferred, 22; country locations and pure air, 43; dispensaries and visiting nurses, 34; healing sinuses by salt water, 43; heliotherapy recommended, 44; living conditions for, and convalescent homes, 21; open-air school on steamer deck for Miss Spence's class, 59, 60; rejection of cases in many institutions, 106; Sea Breeze Hospital at Coney Island, New York, 43; value of sunshine on sinuses, 43-44
- TWINCH, SIDNEY A., M. D., 147
- UNIVERSITY HOSPITAL OF UNIVERSITY OF MICHIGAN: orthopedic wards in, 234
- VAN LEUVEN BROWNE SCHOOL: Detroit, capacity of, 92; description of, 165; minor operations only, 30; outdoor sleeping, 41
- VIRGINIA T. SMITH HOME FOR INCURABLES: Newington, Conn., capacity of, 11, 92; description of, 31, 42, 48, 186, 187
- VOCATIONAL TRAINING: accomplishments of cripples, 64-65; adaptation of pursuits, 11-12; benefit derived as wage-earners, 63; capacity of Widener Memorial School for occupational training, 75; classification of, in schools, 106; considerations of, in regard to cripples, 62-63; developments at Massachusetts Hospital School, 77; discussion of, in English review, in 1909, 63; disposal of articles made in institutions, 87-88; hand work and domestic science, 107; informal training in domestic work, 71-73; Kernan Hospital School, stenography and typewriting taught, 74; kindergarten work the basis of, 71, 78, 79, 80, 81; manual training or sloyd, 79; Massachusetts Hospital School's classes for girls, 77-78; special, for boys, 75; mechanical trades, and institutions which teach, 84-86; Nebraska Hospital School, library work, 73; needlework a profitable trade for classes, 88-89; occupations open to cripples, 64; occupations taught in 37 institutions, 70-75; occupations taught in asylum homes, 71; organized teaching preliminary to, 78-80; orthopedic treatment in early stages is emphasized, 12; plans of study, 12; private day schools having vocational classes, 81-82; profitable occupations a factor, 69-70; provision for, in schools and homes, 62-63; respective merits of different occupations, 80; St. Charles Hospital, stenography and typewriting taught, 74; schools and trades offered, 11-12; self-support the aim, 81; sewing taught in 22 of 37 institutions, 73; skilled handicrafts a local problem, 70; skilled handicrafts offer best opportunities, 90; suitability of occupations, 64; Trade School of the Hospital of Hope for Injured and Crippled, established by Dr. Jaeger, 65-66; trade classes based on hospital records, 66; trade schools and attendance, 65-66; Women's Educational and Industrial Union, Boston, pamphlets on local studies, 89
- WALLACE, CHARLTON M., M. D., 48, 169, 228, 230
- WALLACE, JAMES O., M. D., 184, 185

## INDEX

- WASHINGTON: Children's Orthopedic Hospital, Seattle, 32, 34, 35, description of, 156-157
- WASHINGTON UNIVERSITY MEDICAL HOSPITAL: orthopedic wards with dispensary service, 234
- WATSON, EMILY A.: donor Country Home New York Orthopædic Hospital, 4
- WHITBECK, BRAINERD H., M. D., 231
- WIDENER MEMORIAL SCHOOL: hospital and convalescent home, 6; complete gymnastic equipment, 36-37; description of, 173-183; George D. Widener, 4; isolation buildings fireproof, 46; kindergarten and successive classes for special training, 80; music taught as means of
- WIDENER MEMORIAL SCHOOL (*continued*)  
self-support, 86-87; resident physicians of, 31; statistics of, 182-183; vocational training, capacity of school, 75
- WILLIAM H. DAVIS FREE INDUSTRIAL SCHOOL: New York City, description of, 233, 234; kindergarten and industrial work, 60; summer home at Claverack, New York, 60, 234
- WILLIS, PARK WEED, M. D., 156
- WISCONSIN: Children's Free Hospital, Milwaukee, description of, 211
- WITHYCOMB, MARION H., MRS., 213
- WOMEN'S EDUCATIONAL AND INDUSTRIAL UNION: Boston, vocational training explained in pamphlets, 89

## RUSSELL SAGE FOUNDATION PUBLICATIONS

**THE PITTSBURGH SURVEY.** Findings in six volumes, edited by Paul U. Kellogg. 8vo. Fully illustrated with photos by Hine and drawings by Joseph Stella. Maps, charts, and tables. Price per set, postpaid, \$10.

**THE PITTSBURGH DISTRICT; CIVIC FRONTAGE.** 576 pages. Postpaid, \$2.70.

**WAGE-EARNING PITTSBURGH.** 600 pages. Postpaid, \$2.72.

**WOMEN AND THE TRADES.** By Elizabeth Beardsley Butler. 2d edition. 440 pages. Postpaid, \$1.72.

**WORK-ACCIDENTS AND THE LAW.** By Crystal Eastman. 350 pages. Postpaid, \$1.72.

**THE STEEL WORKERS.** By John A. Fitch, New York Dept. of Labor. 350 pages. Postpaid, \$1.73.

**HOMESTEAD; THE HOUSEHOLDS OF A MILL TOWN.** By Margaret F. Byington. 310 pages. Postpaid, \$1.70.

**WEST SIDE STUDIES.** Embodying the results of an investigation into social and economic conditions on the Middle West Side of New York, carried on under the direction of Pauline Goldmark. In two volumes. 12mo. Illus. Price per volume, \$2.00 postpaid.

**THE MIDDLE WEST SIDE; A HISTORICAL SKETCH.** By Otho G. Cartwright. Illus. 60 pages.

**MOTHERS WHO MUST EARN.** By Katharine Anthony. Illus. 224 pages. Published in one volume. Postpaid, \$2.00.

**BOYHOOD AND LAWLESSNESS.** Illus. 204 pages.

**THE NEGLECTED GIRL.** By Ruth S. True. 148 pages. Published in one volume. Postpaid, \$2.00.

### THREE PRACTICAL BOOKS ON HOUSING.

**A MODEL HOUSING LAW.** By Lawrence Veiller. 8vo. 80 Diagrams. 352 pages. Postpaid, \$2.00.

**HOUSING REFORM. A Handbook for Use in American Cities.** By Lawrence Veiller. 12mo. 220 pages. 5 schedules. 2d edition. Postpaid, \$1.25.

**A MODEL TENEMENT HOUSE LAW.** By Lawrence Veiller. Working Edition. Postpaid, \$1.25.

**SAN FRANCISCO RELIEF SURVEY.** Compiled from studies made by six prominent relief workers. Illus. Map. 8vo. 510 pages. Postpaid, \$3.50.

**WORKINGMEN'S INSURANCE IN EUROPE.** By Lee K. Frankel and Miles M. Dawson, with the co-operation of Louis I. Dublin. 8vo. 450 pages. 145 tables. Bibliography. 2d edition. Postpaid, \$2.70.

**FATIGUE AND EFFICIENCY.** By Josephine Goldmark. Introduction by Frederic S. Lee, Ph.D. Appendix shows comparative schedules of hours and extracts from laws on women's labor. 8vo. 358 pages. 4th ed. Postpaid, \$2.00.

## RUSSELL SAGE FOUNDATION PUBLICATIONS

---

**THE DELINQUENT CHILD AND THE HOME: A Study of Children in the Chicago Juvenile Court.** By Sophonisba P. Breckinridge and Edith Abbott. 8vo. 360 pages. Postpaid, \$2.00.

**CO-OPERATION IN NEW ENGLAND: Urban and Rural.** By James Ford, Ph.D. 12mo. 260 pages. Postpaid \$1.50.

**SOCIAL WORK IN HOSPITALS. A Contribution to Progressive Medicine.** By Ida M. Cannon, R. N. 12mo. 272 pages. Postpaid, \$1.50.

**WORKING GIRLS IN EVENING SCHOOLS.** By Mary Van Kleeck. Illus. 12mo. 258 pages. Postpaid, \$1.50.

**WOMEN IN THE BOOKBINDING TRADE.** By Mary Van Kleeck. Illus. 12mo. 290 pages. Postpaid, \$1.50.

**ARTIFICIAL FLOWER MAKERS.** By Mary Van Kleeck. Illus. 12mo. 280 pages. Postpaid, \$1.50.

**SALESWOMEN IN MERCANTILE STORES. Baltimore, 1909.** By Elizabeth Beardsley Butler. Illus. 12mo. 234 pages. 2d ed. Cloth, postpaid, \$1.08. Paper, postpaid, \$0.75.

**THE STANDARD OF LIVING AMONG WORKINGMEN'S FAMILIES IN NEW YORK CITY.** By Robert Coit Chapin, Ph.D. 8vo. 388 pages. 131 tables. Postpaid, \$2.00.

### FOUR BOOKS ON SOCIALIZED SCHOOLS.

**WIDER USE OF THE SCHOOL PLANT.** By Clarence Arthur Perry. Illus. 12mo. 434 pages. 3d edition. Postpaid, \$1.25.

**AMONG SCHOOL GARDENS.** By M. Louise Greene, M.Pd., Ph.D. Illus. 12mo. 380 pages. 2d edition. Postpaid, \$1.25.

**LAGGARDS IN OUR SCHOOLS. A Study of Retardation and Elimination.** By Leonard F. Ayres, Ph.D. 8vo. 252 pages. 4th edition. Postpaid, \$1.50.

**MEDICAL INSPECTION OF SCHOOLS.** By Luther Halsey Gulick, M.D., and Leonard F. Ayres, Ph.D. Illus. 8vo. 244 pages. 4th edition, completely revised. Postpaid, \$1.50.

**ONE THOUSAND HOMELESS MEN. A Study of Original Records.** By Alice Willard Solenberger. 12mo. 398 pages. 50 tables. 2nd ed. Postpaid, \$1.25.

**THE ALMSHOUSE.** By Alexander Johnson. Illus. 12mo. 274 pages. Postpaid, \$1.25.

## RUSSELL SAGE FOUNDATION PUBLICATIONS

**CORRECTION AND PREVENTION.** Four volumes prepared for the Eighth International Prison Congress. Edited by Charles Richmond Henderson, LL.D. 8vo. Price per set, express prepaid, \$10; per volume, \$2.50 net.

**PRISON REFORM.** By Chas. R. Henderson, F. B. Sanborn, F. H. Wines and Others. And **CRIMINAL LAW IN THE UNITED STATES.** By Eugene Smith. Illus. 326 pages. Postpaid, \$2.67.

**PENAL AND REFORMATORY INSTITUTIONS.** By Sixteen Leading Authorities. Illus. 358 pages. Postpaid, \$2.70.

**PREVENTIVE AGENCIES AND METHODS.** By Charles Richmond Henderson. Ph.D. 454 pages. Postpaid, \$2.68.

**PREVENTIVE TREATMENT OF NEGLECTED CHILDREN.** By Hastings H. Hart, LL.D. With special papers by leading authorities. Illus. 430 pages. Postpaid, \$2.70.

**JUVENILE COURT LAWS IN THE UNITED STATES SUMMARIZED.** Edited by Hastings H. Hart, LL.D. 8vo. 160 pages. Postpaid, \$1.60.

**CIVIC BIBLIOGRAPHY FOR GREATER NEW YORK.** Edited by James Bronson Reynolds, for the New York Research Council. 8vo. 312 pages. Postpaid, \$1.50.

**HANDBOOK OF SETTLEMENTS.** Edited by Robert A. Woods and Albert J. Kennedy. 8vo. 342 pages. Cloth, postpaid, \$1.50. Paper, postpaid, \$0.75.

**CARRYING OUT THE CITY PLAN.** By Flavel Shurtleff. In collaboration with Frederick Law Olmsted. 12mo. 362 pages. Postpaid, \$2.00.

**THE CARE AND EDUCATION OF CRIPPLED CHILDREN IN THE UNITED STATES.** By Edith Reeves. Illus. 8vo. 264 pages. Postpaid, \$2.00.

### RECENTLY PUBLISHED by Survey Associates, Inc.

**OUR SLAVIC FELLOW CITIZENS.** By Emily Greene Balch. Part I. Slavic Emigration at Its Source. Part II. Slavic Immigrants in the United States. 8vo. 650 pages. 48 full-page illustrations. Postpaid, \$2.50.

**THE SPIRIT OF SOCIAL WORK.** By Edward T. Devine. Nine Addresses. 12mo. 244 pages. 3d edition. Postpaid, \$1.00.

**SOCIAL FORCES.** By Edward T. Devine, Associate Editor *The Survey*; Director, New York School of Philanthropy; Professor of Social Economy, Columbia University. 12mo. 226 pages. 3d edition. Postpaid, \$1.00.

**VISITING NURSING IN THE UNITED STATES.** By Yvonne Waters, of the Nurses' Settlement, New York. 8vo. 367 pages. 2d edition. Postpaid, \$1.25.

**FIFTY YEARS OF PRISON SERVICE.** An Autobiography. By Zebulon R. Brockway. Illus. 12mo. 450 pages. Postpaid, \$2.00.

### SURVEY ASSOCIATES, INC.

PUBLISHERS FOR THE RUSSELL SAGE FOUNDATION  
105 EAST 22d STREET, NEW YORK