

CONTENTS |

CHAPTER I

	PAGE
APPARATUS	17
Transformer, 18—Vertical Screen Apparatus, 18—Foot-switch, 19— Tube-stand, 20—Table, 20—Tubes, 21—Intensifying Screens, 22—Plates and Developers, 23.	

CHAPTER II

GENERAL TECHNIC.	24
Preparation of the Patient, 24—Opaque Salts, 25—Vehicles, 26—Opaque Enema, 28—Quantities of Opaque Salts, 29—Six-hour Meal, 29—Screen- examination, 30—Plates, 32—Case Records, 34.	

CHAPTER III

INTERPRETATION.	37
-------------------------	----

CHAPTER IV

THE ESOPHAGUS.	43
Technic of Examination, 43—Anatomic Memoranda, 49—Normal Eso- phagus as shown by Roentgen Ray, 50—Pathologic Esophagus as Shown by Roentgen Ray, 51—Cardiospasm, 54—Carcinoma, 60—Diverticulum, 65—Deep-seated Diverticula, 69—Cicatricial Strictures, 77—Spasm, 81— Foreign Bodies, 82—Miscellaneous Esophageal Lesions, 83.	

CHAPTER V

THE STOMACH.	87
Technic of Examination, 87—Roentgen Anatomy, 89.	

CHAPTER VI

THE NORMAL STOMACH.	94
Habitus, 96—The Abdominal Wall, 99—Gastric Tonus, 100—Form, 101—Tone, 105—Position, 109—Size, 110—Contour, 111—Mobility, 111—Flexibility, 112—Gas-bubble, 113—Secretion, 113—Peristalsis, 114—Motility, 120—Roentgenologic Tests of Motility, 124.	

CHAPTER VII

	PAGE
THE ABNORMAL STOMACH.	135
Form Variations, 135—Changes of Contour, 135—Alterations of tone, 141—Altered Position, 141—Alteration of Size, 143—Altered Mobility, 144—Lessened Flexibility, 144—Gas-bubble, 145—Secretion, 145—Abnormal Peristalsis, 145—Disordered Motility, 150—Zones of Motility Based on Six-hour Meal, 157.	

CHAPTER VIII

GASTROSPASM.	164
Etiology, 173—Differentiation, 173.	

CHAPTER IX

GASTRIC CANCER	182
Filling-defects, 184—Filling-defects from Causes other than Cancer, 190—Alteration of Pyloric Function, 197—Peristalsis, 200—Altered Motility, 200—Lessened Mobility, 201—Lessened Flexibility, 201—Persistent Local Spasm, 202—Altered Size and Capacity, 202—Displacement, 203—Pathology, 203—Roentgen Characteristics of Fungous Cancer, 205—Roentgen Characteristics of Scirrhus Cancer, 205—Mucoid Cancer, 207—Carcinomatous Ulcer, 207—Operability, 209—Early Cancer, 215.	

CHAPTER X

FIBROMATOSIS OF THE STOMACH	226
---------------------------------------	-----

CHAPTER XI

SYPHILIS OF THE STOMACH	231
-----------------------------------	-----

CHAPTER XII

VARIOUS BENIGN TUMOR-PRODUCING LESIONS OF THE STOMACH	257
Tuberculosis of Stomach, 258—Angioma of Stomach, 260—Gastric Polyposis, 264.	

CHAPTER XIII

GASTRIC ULCER	274
Roentgenologic Signs of Gastric Ulcer, 276—The Niche, 277—Accessory Pocket, 280—Organic Hour-glass, 281—Contributory Signs of Ulcer, 281—Spasmodic Manifestations: the Incisura, 281—Spasmodic Hour-glass, 285—Other Forms of Spasm, 287—Residue, 288—Gastric Hypotonus, 290—Acute Fish-hook, 290—Abnormalities of Peristalsis, 291—Tender Point, 291—Lessened Mobility, 291—Value of Sign-groups, 292—Carcinomatous Ulcer, 293.	

CONTENTS

15

CHAPTER XIV

	PAGE
ROENTGENOLOGIC ASPECTS OF HOUR-GLASS STOMACH	317
X-ray Diagnosis, 327—Conclusions, 345.	

CHAPTER XV

MISCELLANEOUS GASTRIC CONDITIONS	349
Hair-ball, 349—Other Foreign Bodies, 354—Diverticula, 354—Diaphragmatic Hernia and Elevation of Diaphragm (Eventration), 358—Gastrop-tosis, 364.	

CHAPTER XVI

THE STOMACH OF INFANTS AND CHILDREN	371
Congenital Pyloric Stenosis, 373—Aërophagy in Infants, 375.	

CHAPTER XVII

THE STOMACH AFTER OPERATION	377
Jejunal and Gastrojejunal Ulcers, 384—Regurgitant Vomiting and Vicious Circle, 400—Recurrence and New Development of Lesions after Operation, 405.	

CHAPTER XVIII

GALL-STONES AND DISEASE OF THE GALL-BLADDER AND LIVER	414
Gall-stones, 414—Diseases of the Gall-bladder, 428—The Liver, 435.	

CHAPTER XIX

THE SMALL INTESTINE	439
The Normal Small Intestine, 439—The Abnormal Small Intestine, 445.	

CHAPTER XX

DUODENAL ULCER	451
—Symptoms, 451—Pathology, 453—Technic of Examination, 457—Roentgen Signs, 457—Concurrence of Duodenal and Gastric Ulcer, 482.	

CHAPTER XXI

MISCELLANEOUS LESIONS OF THE SMALL INTESTINE	501
Cancer of the Duodenum, 501.	

CHAPTER XXII

THE LARGE INTESTINE	511
Technic of Examination, 511—The Normal Colon, 514—The Abnormal Colon, 522.	

CHAPTER XXIII

	PAGE
CANCER OF THE COLON.	527

CHAPTER XXIV

DIVERTICULITIS	545
--------------------------	-----

CHAPTER XXV

TUBERCULOSIS OF THE INTESTINE	561
---	-----

CHAPTER XXVI

CHRONIC ULCERATIVE COLITIS.	572
-------------------------------------	-----

CHAPTER XXVII

CHRONIC INTESTINAL STASIS AND CONSTIPATION.	586
---	-----

CHAPTER XXVIII

CHRONIC APPENDICITIS.	601
-------------------------------	-----

CHAPTER XXIX

MISCELLANEOUS LESIONS AND CONDITIONS OF THE COLON	615
Polyposis, 615—Anomalies of Migration and Rotation, 616—Cecum Mobile, 619—Jackson's Membrane, 621—Transposition, 622—Intussusception, 623—Actinomycosis, 624—Hirschsprung's Disease (Megacolon) and Megasigmoid, 625—Incompetence of the Ileocecal Valve, 626—Enteroliths, 630—Foreign Bodies, 630—Fistulæ, 631—Rectum, 634—The Colon after Operation, 634	

CHAPTER XXX

PNEUMOPERITONEAL DIAGNOSIS	640
--------------------------------------	-----

BIBLIOGRAPHIC INDEX	65
-------------------------------	----

INDEX OF SUBJECTS.	66
----------------------------	----