PAGE	PAGE
Hunger	Intestine, movements of
— seat of the sense of	— uses of the gases in
after section of both pneumogastric nerves 167	— influence of the circulation upon the move-
- after section of the hypoglossal and lingual	ments of
nerves 167	— influence of the nervous system upon the
Hydatids of Morgagni	movements of
Hydrogen, effects of confining an animal in a	— distribution of the pneumogastric to 257
mixture of with oxygen	— influence of the pneumogastric upon 257
Hydrogen monosulphide, poisonous effects of., 136	—— development of 823
Hyoid bone, development of 825, 827	Intestine, large, physiological anatomy of 257
Hypermetropia 695	— digestion and absorption in
Hypnagogic hallucinations 648	— contents of (see Fæces)
Hypoblast 801, 814	movements of 267
Hypogastric arteries839	— gases of
— closure of 842	—— development of
Hypoglossal nerve (see Sublingual nerve) 561	Inuline
Hypospadias 834	Involuntary muscular tissue and movements 464
Hypoxanthine	Involution of the uterus
	Iris, influence of the motor oculi communis
Ileo-cæcal valve	upon 543, 706
— development of 823	— anatomy of 679
Ileum	— movements of
Iliac veins, development of	— direct action of light upon 706
Imbibition	— action of the nervous system upon 706
Imperforate anus 824	— influence of the sympathetic nerves upon 707
Inanition, influence of, upon the exhalation of	— consensual contraction of
carbon dioxide	— influence of the cilio-spinal centre upon 707
- influence of age upon the power of resist-	— changes of, in accommodation 710
ance to	- movements of, in converging the axes of
— phenomena attending 166	vision
—— duration of life in	— voluntary contraction of 711
Incisor process, in the development of the face 826	—— development of
Incus	Iron, uses of, in the organism
— development of 825	— in milk and eggs 175
Indol, production of, by action of trypsine on	Irradiation in the spinal cord 598
albuminoids	— in vision 717
—— in the fæces	Island of Reil
Induced muscular contraction 534	
Inelastic fibrous tissue	Jacobson, nerve of
Infancy	Jacob's membrane
— secretion of milk in 340	Jaws, physiological anatomy of
Infracostales, action of, in expiration 125	— articulations of
Innominate vein, development of 838	Jejunum
Inorganic alimentary substances	Jugular veins, development of
Inorganic constituents of the body 429	Juice-canals
Inspiration	Keratine
— table of muscles of	Kidneys, effects of destruction of the nerves
— auxiliary muscles of	of
— relations of, to expiration	— physiological anatomy of
— duration of	— distribution of blood-vessels in
Insula.         606, 621           Intellectual faculties         616	—— lymphatics of
	— nerves of
Intercostal muscles	—— extirpation of
— action of, in inspiration	extirpation of, upon one side 368
Intermaxillary process, in the development of	- alternate action of, upon the two sides 369
the face	—— development of
Internal capsule	Kinetic energy
Internal capsule 607 Intestinal canal, fermentation in 262	Krause, corpuscles of
— first appearance of	
Intestinal digestion	Labia majora, development of
Intestinal digestion. 233 Intestinal fistula, case of, in the human subject 242	Labia minora, smegma of
Intestinal juice	Labial glands. 197
Intestinal yilli	Labials (division of consonants)
— development of	Labyrinth, bony
Intestine, small, physiological anatomy of 233	— membranous
	liquids of

PAGE	PAGE
Labyrinth, distribution of the nerves in 759	Liver, physiological anatomy of 392
development of 891	- structure of a lobule of
Lachrymal apparatus	
— glands	— arrangement of the bile-ducts in the lobules
— fluid	of
— points	— anatomy of the excretory biliary passages
— sac and ducts	of 397
I achrymina	racemose glands attached to the ducts of 397
Lachrymine	— vasa aberrantia of
Lactates in the blood	- gall-bladder, hepatic, cystic, and common
— in the urine	ducts of
Lactation, modifications of (see Milk)	— nerves and lymphatics of 399
Lacteals, in the intestinal villi	— excretory action of
— discovery of 273	— formation of glycogen by 408
— course of	— ferment produced by, which is capable of
— structure of	changing glycogen into sugar
—— absorption by	— action of, upon foreign and poisonous sub-
Lactoproteine	
Lactose	stances
Lancet-fish, an animal without a brain	—— development of
Lancet-nen, an animal without a brain 617	proportionate weight of, at different peri-
Language	ods of life
— centre for the expression of ideas in 621	Lobule of the ear
Laryngoscopy	Lochia 846
Larynx, physiological anatomy of	Locomotion, passive organs of 481
— action of, in respiration.	Locomotor ataxia 596, 654
— muscles of	Locus niger
— action of, in phonation,	Lungs, capillary circulation in
—— development of 825, 827	— circulation through
Laughing	— parenchyma of
Laxator tympani	— air-cells of
Lecithene	
Left-handedness (see Dextral pre-eminence) 847	— action of the elasticity of the parenchyma
Legs, development of	of, in expiration
Longo, refraction by	— capacity of
Lenses, refraction by	— vital capacity of
correction of	— absorption by the respiratory surface 287
Lenticular ganglion	—— development of
Leucine in the urine	Luxus-consumption
— production of, by the action of trypsine on	Lymph
albuminoids	— quantity of
Leucocytes (see Blood)	— properties and composition of 295
relations of, to the development of the	— coagulation of 295
blood-corpuscles 10	—— corpuscular elements of
— development of	— origin and uses of
passage of, through the walls of the blood-	— comparison of constituents of, with those
vessels	of chyle
— in the lymph	— movements of
Leucocythæmia	Lymphatic glands
Levator anguli scapulæ, action of, in respira-	Dymphatic gianus
tion 122	— uses of
Lovaton poloti	Lymphatic trunk, right
Levator palati	Lymphatics, discovery of
Levator palpebræ superioris	— descriptive anatomy of
Levatores costarum, action of, in respiration 121	— relations of, to connective tissue 274
Lichenine	— valves of
Lieberkühn, follicles of	— structure of
Life, definition of, etc	Lymph-corpuscles
— duration of, in man 849	Lymph-spaces
Ligamentum denticulatum 588	
Ligamentum iridis pectinatum 676	Macula folliculi
Light, theory of the propagation of 692	Macula lutea
— velocity of	Malleus
— decomposition of	—— development of
Lingual glands	Melnighi nyramide of
Lips, development of 826	Malpighi, pyramids of
Liquids (division of consonants)	Malpighian bodies of the kidney 361, 362
	capsule of the spleen
Littre, glands of	— bodies of the spleen
Liver, circulation in the veins of	Maltose
— formation of urea in	Mammary glands 327

PAGE

PAGE	
Mammary secretion (see Milk)	Milk, modifications of
Manége, movements of	quantity of
Mannite	general properties of
Mariotte, experiment of 699	— coagulation of
Marrow 484	— microscopical characters of
Mastication	— composition of
— table of muscles of 193	comparison of, from the cow and from the
action of the muscles of, which depress the	human subject
lower jaw	fermentation of
- action of the muscles which elevate the	— variations in the composition of
lower jaw and move it laterally and antero-	relations of the quantity of, to the previous
posteriorly 194	secretion of colostrum
action of the tongue, lips and cheeks in 194	— of the infant
- action of the orbicularis oris and buccina-	Milk-globules 334
tor in	Milk-sugar
uses of the sensibility of the teeth to hard	Mind 616
and soft substances in 195	Mitral valve
influence of, upon the flow of the parotid	Modiolus of the cochlea
saliva	Molar glands
— nerve of 547	Monoplegias
properties and uses of the nerve of 549	Morgagni, liquid of
- influence of division of the nerve of, upon	— hydatids of
the teeth, in the rabbit	Morsus diaboli 776
— influence of, upon deglutition 550	Morula 800
Mastoid cells	Motor cortical zone
Maxilla, inferior, development of	Motor nerves, disappearance of excitability of . 521
— superior, development of 826	— action of 523
Maxillary bones, physiological anatomy of 192	Motor oculi communis 541
— articulations of	— influence of, upon the iris 543
Meats	Motor oculi externus
Meckel, cartilage of 821, 827	Mouth, first appearance of 826
Meckel's ganglion	Movements 460
Meconium 824, 846	of amorphous contractile substance (amœ-
Medulla oblongata, physiological anatomy of 627	boid)
— general properties of 630	—— ciliary
— uses of 630	—— due to elasticity
— connection of, with respiration 158, 631	— muscular 464
—— development of 819, 820	associated
Medullocells	Mucilages
Meibomian glands	Mucine
—— secretion	Mucinogen
Meissner, corpuscles of 514	Mucous membranes
Meissner's plexus	Mucus, mechanism of the secretion of 318
Melody 741	— composition and varieties of
Membrana fusca	influence of, upon the absorption of ven-
Membranes of the fœtus, formation of 802	oms
Ménière's disease 626, 763	Müller, capsule of
Menstruation 781	—duct of
	Muscles, connection of, with the tendons 470
of the ovaries	— voluntary, terminations of nerves in 511
—— duration of	— involuntary, terminations of nerves in 512
—— characters of the flow in 782	Muscular atrophy, progressive
— diminution in the excretion of urea in 783	Muscular current
Méry, glands of 789	Muscular effort
Mesenteric vein, development of	Muscular movements (see Movements) 464
Mesentery	Muscular sense
— development of	Muscular system, development of
Mesoblast	Muscular tissue, involuntary 464
Mesocæcum	— contraction of
Mesocolon	— voluntary
Metabolism	—— development of, by exercise 467
Metalbumin	— blood-vessels and lymphatics of 470
Micropyle 778, 796	— chemical composition of 470
Micturition	— reactions of
Milk 186, 333	— physiological properties of 471
— mechanism of the secretion of 330	— elasticity of 471

PAGI	PAGE
luscular tissue, tonicity of	71 Nerves, motor, action of 523
— sensibility of	72 — sensory, action of
— contractility of 47	72 — physiological differences between motor
- changes in the form of during contraction 477	526 and sensory
duration of contraction of, under artificial	— artificial union of motor with sensory 526
excitation	artificial amon of motor with sensory 526
single contraction of	
tetanic contraction of	
sound produced by centrality	
— sound produced by contraction of 47	77 — process of dying of
— fatigue of	
— electric phenomena in	
— negative variation of	80 — spinal
fusical sounds (see Sound)	39 — cranial (see Cranial nerves) 539
Iustache, uses of	
lustard 18:	Nervi nervorum 511
futes (division of consonants) 503	Nervous conduction, rapidity of
[yeline	07 Nervous excitability 527
[yelocytes 520	Nervous system, divisions of
[yeloplaxes 48-	physiological anatomy of the tissue of 507
[yolemma	57 — development of
[yopia	
lyosine	
yxœdema 42	
J. Rectolité	
aboth, ovules of 774	— head-fold of
ails, physiological anatomy of	
- connections of, with the skin 347	
— growth of	7 Neutral point
— development of	Nitrogen, proportion of, in the air
— first appearance of	
ares, development of 828	
asal duct 727	Nitrogen monoxide, effects of respiration of 136
asal fossæ 658	Nitrogenized alimentary substances 169
— action of, in phonation 495	Non-nitrogenized alimentary substances 170
asals (division of consonants) 508	
asmyth's membrane	Nose, uses of the hairs in
egative variation of the muscular current 480	
— of the nerve-current 537	
erve-cells 517	
- striation of, by the action of silver nitrate. 519	
— connections of, with the fibres and with	— general considerations
each other	
erve-centres, structure of	
— accessory anatomical elements of	
connective tissue of (neuroglia) 520	
— blood-vessels of	
— lymphatics of (perivascular canals) 520	
erve-current	0
erve-fibres	
— medullated	7 Obesity
— axis-cylinder of 508	8 Obliquus externus, action of, in expiration 125
— striation of, by the action of silver nitrate. 508 — non-medulated 509	8 internus, action of, in expiration 125
— non-medullated	9 Odors
— gelatinous, or fibres of Remak 509	9 Œsophagus, structure of 205
erves, structure of 507	7 action of, in deglutition 209
— blood-vessels of 511	
— branching and course of 511	1 — development of
— terminations of, in the voluntary muscles. 511	
— terminations of, in the involuntary mus-	Oken, bodies of 814, 830
cles	940
— terminations of, in glands	
conserve terminations of E19 E19	
sensory, terminations of	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
— degeneration and regeneration of	
— trophic centres for	eea
— reunion of	
— motor and sensory	to   Offactory gangna, or outos

PAGE	PAGE
lfactory commissures and nerves, development	Pancreatic juice, mode of secretion of 244
of	— properties and composition of 245
lfactory nerves	— quantity of 247
— properties and uses of	alterations of
omentum	— action of, in digestion 247
— development of	-action of, upon starches and sugars 247
omphalo-mesenteric canal 807	— action of, upon nitrogenized substances 248
Omphalo-mesenteric vessels	— action of, upon fats 250
phthalmic ganglion	Pancreatic secretion, centre for
Optic commissure	Pancreatine
Optic nerves, physiological anatomy of 671	Panniculus adiposus
— decussation of	Parablastic cells
— general properties of	Paracentral lobule
— development of	Paraglobuline
Optic thalami. 607	Paralytic secretion by glands
— development of	Parotid saliva (see Saliva)
Dismosis	Parovarium 771, 831
Osseine (bone-corpuscles)	Parturition, cause of the first contractions of
Ossicles of the ear	the uterus in
— mechanism of the action of	— centre for 601, 845
Desification of the skeleton	— arrest of hæmorrhage after 846
Jassincation of the skeleton	— after death
time of, for various bones	Par vagum nerve (see Pneumogastric) 573
Osteoplasts	Patheticus
Otte gangiion	Pavement-epithelium (squamous epithelium) 316
Otoliths         756           Ovaries         767	Pectoralis major, action of the inferior portion
	of, in respiration 122
— Graafian follicles of	Pectoralis minor, action of, in respiration 122
development of	Pectose
Overtones	Penis, erection of
Ovules of Naboth	— development of
Ovum, primordial	Pepper
Ovum, situation of, in the Graafian follicle 771	Pepsine
— structure of	Pepsinogen
discharge of, from the Graafian follicle 778	Peptones
— influence of copulation upon the discharge	— in the blood.
of	Pericardial secretion.
relations of the discharge of, to menstru-	Pericardian secretion. 3
ation	Perilymph of the labyrinth
— passage of, into the Fallopian tube 779	Perimeter
- coating of, with albumen, in the Fallopian	Perimysium
tube	Perinysium Perivitelline space
— union of spermatozoids with	Periosteum 48
— primitive trace on	Periosteum. 40. Peristaltic movements of the small intestine 25:
development of 813	
Oxygen, absorption of, by the blood-corpuscles	— influence of the bile upon
12, 151	— influence of the nervous system upon 25
— proportion of, in the air	Peritoneal cavity, first appearance of 815, 82 Perivascular canals
minimum proportion of, in the air, capable	
of supporting life	Personal equation
effects of respiration of pure	Perspiration (see Sweat)
— consumption of (see Respiration) 136	Petit, canal of
- relations of the consumption of, to the ex-	Pettenkofer's test for bile
halation of carbon dioxide	Peyer, patches of
— analysis of the blood for	Pharyngeal glands
— proportion of, in the blood	Pharynx, physiological anatomy of 20
Oxyhæmaglobine	—— muscles of
	— mucous membrane of 20
Pacini, corpuscles of	action of the muscles of, in deglutition 20
Palatals (division of consonants) 503	— action of, in phonation 49
Palate	—— development of 82
z— muscles of	Phenol, production of, by the action of tryp-
— development of	sine on albuminoids
Palmitine	— in the fæces
Pancreas, physiological anatomy of 243	Phonation (see Voice) 49
—— development of	Phonograph
Pancreatic juice	Phosphates in the body 433, 43

PAGE	PAGE
Phrenic nerve 119	Portal vein, development of 837
Pia mater 587	Potatoes
— first appearance of	Potential energy
Pia mater testis	Pregnancy, influence of, upon lactation 331
Pineal gland	-— influence of, upon menstruation 781
Pinna of the ear	— influence of, upon the corpus luteum 784
Pituitary body	— influence of, upon subsequent offspring 797
Pituitary membrane	— enlargement of the uterus in
Placenta, first appearance of	— enlargement of the heart in
— development and structure of 812	— duration of
— uses of 813	— multiple
Placental circulation 836	— extraüterine
Plasma of the blood (see Blood)	— Fallopian
Plasmine	— abdominal
Pleuro-peritoneal cavity, first appearance of 815	Prehension of solids and liquids
Pneumogastric nerves, influence of, upon the	Prepuce, smegma of 325
action of the heart 56	Presbyopia
- want of action of digitalis upon the heart	Primitive trace of the embryon 801
after section of	Progressive muscular atrophy 645
- effects of Faradization of, upon the circu-	Pronucleus, male and female
lation 56, 57	Propeptone
direct influence of, upon the heart 56, 57	Prostate 789
- influence of, upon the movements of the	Protagon
small intestine	Proteids
— physiological anatomy of 573	Proteine
— branches of	Protoplasm
— difference in the distribution of the nerves	Protovertebræ
of the two sides, to the abdominal organs 577	Ptosis (see Blepharoptosis)
— general properties of the roots of 577	Pytaline
— properties and uses of the auricular branch	Puberty
of 578	Pulmonary artery, pressure of blood in 104
properties and uses of the pharyngeal	— development of
branch of	Pulmonary circulation
- properties and uses of the superior laryn-	Pulmonic semilunar valves
geal branch of	— safety-valve action of
— properties and uses of the inferior, or re-	Pulp-cavity of the teeth
current laryngeal branch of	Pulse, frequency of, at different ages
<ul> <li>influence of the inferior laryngeal branch</li> <li>of, upon the movements of the larynx 579</li> </ul>	— in the sexes
— properties and uses of the cardiac branches	of
of	influence of muscular exertion upon the
— effects of section of, upon the circulation.	frequency of
56, 580	- comparative frequency of, in sitting and
properties and uses of the pulmonary	standing
branches of	- influence of sleep upon the frequency of 50
effects of section of, upon the respiratory	- influence of temperature upon the fre-
movements	quency of 50
condition of the lungs after death follow-	production of, and locomotion of the arte-
ing section of	ries 66
effects of Faradization of, upon respira-	—— investigation of, by the finger 66
tion 582	- gradual delay of, receding from the heart. 67
properties and uses of the œsophageal	—— pathological varieties of 67
branches of	— form of 67
— effects of division of, upon the œsophagus. 583	- movements of, in the foot when the legs
- properties and uses of the abdominal	are crossed 67
branches of	— traces of
— influence of, upon the liver 583	— dicrotism of
influence of, upon the stomach 230, 584	
distribution of, to the intestinal canal 585	— relation of the frequency of, to the respira-
want of action of purgatives, after section	tory acts
of	Pupil
Polar globule of the vitellus	Pupillary membrane 680, 821
— uses of	Purkinje, vesicle of
— development of	Putrefaction of the body after death 850
Portal vein, distribution of (see Liver) 393	Pyloric muscle
700, 400	

PAGE	
Quadrilateral canal of the cochlea 759	Respiration, variations in the consumption of
Quickening 813	oxygen in, sleeping and waking 139
duckening	variations in the consumption of oxygen
KNQ KNQ	in, in lean and fat animals
Ranvier, nodes of	- effects upon the consumption of oxygen
Reaction-time	in, of increasing its proportion in the air 139
Receptaculum chyli	— effects upon the consumption of oxygen in,
Rectum, physiological anatomy of 258, 261	— effects upon the consumption of oxygen in,
— sphincter of 269	of confining an animal in a mixture of oxy-
— development of	gen and hydrogen 139
Recurrent sensibility	— changes in the air passing through the lungs 140
Reflex action, time occupied by 529	- elevation in temperature in the air in pass-
— definition of	ing through the lungs in 140
— definition of	— exhalation of carbon dioxide in 140
— of the spinal cord	— variations in the exhalation of carbon di-
exaggeration of, by poisoning with strych-	- Variations in the exhauston of entonia
nine 599	oxide with the frequency and extent of the
— abolition of, by a esthetics 599	acts of
— examples of 599	- quantity of carbon dioxide exhaled per
inhibition of	hour in
- operating through the sympathetic sys-	influence of age upon the exhalation of car-
tem	bon dioxide in
	- influence of sex upon the exhalation of car-
in the fœtus	bon dioxide in
Reflexes, superficial and deep	— influence of digestion upon the exhalation
Refraction 690	
Regurgitation from the stomach	of carbon dioxide in
Reil, island of 606, 621	- influence of inanition upon the exhalation
Reissner, membrane of	of carbon dioxide in 144
Remak, fibres of 509	influence of diet upon the exhalation of
Reproduction (see Generation)	carbon dioxide in 144
Reserve air	- influence of alcoholic beverages, tea, and
Residual air	coffee upon the exhalation of carbon dioxide
	in
Resonators of Helmholtz744	
Respiration, influence of, upon the action of the	influence of exercise upon the exhalation
heart	of carbon dioxide in
— movements of the brain with 102	- influence of sleep upon the exhalation of
— general considerations and definition of 108	carbon dioxide in
— essential conditions in 109	relations of the consumption of oxygen to
physiological anatomy of the organs of 110	the production of carbon dioxide in 146
— movements of	- influence of moisture and temperature upon
— action of the ribs in	the exhalation of carbon dioxide in 146
— table of muscles of, used in inspiration 117	— influence of season upon the exhalation of
auxiliary muscles of, used in inspiration 121	carbon dioxide in
— table of muscles of, used in expiration 124	relations between the quantity of oxygen
— action of the abdominal muscles in 125	consumed and the quantity of carbon dioxide
— types of 126	exhaled in
— difference in types of, in the sexes and at	sources of the carbon dioxide exhaled in 148
different ages	— exhalation of watery vapor in 148
— frequency of the movements of	exhalation of ammonia, organic matter
— relations of the frequency of the movements	etc., in
of, to the pulse	— exhalation of nitrogen in
— influence of age upon the frequency of the	-— changes in the blood in
movements of	mechanism of the interchange of gases be-
relations of inspiration and expiration to	tween the blood and the air in 156
each other in	— relations of, to nutrition 156
sounds of	— cutaneous 161
— extreme breathing capacity in	— in a confined space 163
- relations in volume of the expired to the in-	- connection of the medulla oblongata with
spired air in	158, 631
— diffusion of air in	Respiratory centres
— of pure oxygen	Respiratory efforts before birth 161, 822
— consumption of oxygen in	Passiratory excitants
	Respiratory excitants
- variations in the consumption of oxygen	Respiratory movements, character of, and cause
in, with muscular activity, external tempera-	of these movements
ture and digestion	Respiratory movements of the glottis 111
- quantity of oxygen consumed per hour in. 138	Respiratory non-exciters 144
- variations in the consumption of oxygen	Respiratory sense 157 631
in, with age	Resultant tones

PAGE 1	PAGE	2
ete testis	Scrotum, development of 834	
etina, physiological anatomy of	Sebaceous glands	0
— sensibility of the layer of rods and cones of 698	— first appearance of 818	8
— shadows of the vessels of	Sebaceous matter	4
— relative sensibility of the different parts of 700	Secreted fluids, classification of	7
— corresponding points in	Secretion, general considerations 306, 31	1
etrahens aurem	— mechanism of	7
hodopsine	— distinction of, from excretion 307, 311, 34	1
ibs	— mechanism of, as distinguished from ex-	
hight-handedness (see Dextral pre-eminence) 847	cretion 30	8
tigor mortis (see Cadaveric rigidity)	— influence of the composition and pressure	
tima glottidis	of the blood upon	1
tolling movements following injury of certain	— influence of the nervous system upon 31	2
parts of the encephalon etc	paralytic 31	3
Rosenmüller, organ of	— centres presiding over 34	10
Rut, identity of, with menstruation 781	Segmentation of the vitellus 79	)9
Ruysch, tunic of	Semen	90
	— quantity of 79	90
accharose	— mucous secretions mixed with 79	90
Saccule of the internal ear	— in advanced age 79	93
Sacro-lumbalis, action of, in expiration 126	— ejaculation of	94
Sacrum, consolidation of	— penetration of, into the uterus 79	95
Saliva	passage of, through the Fallopian tubes 79	95
— parotid	- time occupied by passage of, to the ova-	
secretion of	ries 70	95
relations of the flow of, to mastication 196	Semicircular canals, bony 7	36
alternation in the secretion of, upon the	membranous 73	56
two sides	— uses of 70	62
— submaxillary 196	— influence of, upon equilibration 7	62
influence of sapid substances upon the se-	— disease of (Ménière's disease) 626, 7	63
cretion of 197	— development of 8	21
sublingual	Semilunar valves, pulmonic.	37
influence of sapid substances upon the se-	aortic	37
cretion of	safety-valve function of	44
- fluids from the smaller glands of the mouth,	Seminal vesicles	88
tongue, and pharynx 197	Seminiferous tubes 786, 7	81
— mixed	Semi-vowels	05
- influence of matters introduced into the	Sensation in amputated members etc 5	)(20)
stomach through a gastric fistula upon the	Sensory nerves, disappearance of the physio-	-01
secretion of	logical properties of	100
— quantity of 199	— reappearance of sensation in	0.00
reaction of	— action of.	200
- quantity of, secreted during the intervals	Septum lucidum, development of	95
of mastication	Seroline	26
— general properties and composition of 199	Serotina, cells of	81
-— table of the composition of 200	Serous cavities	31:
uses of 200	Serous fluids	31
— influence of, upon deglutition 201	Serratus magnus, action of, in respiration	125
— mechanical uses of	Serratus posticus superior, action of, in respira-	
Salivary glands	tion	12
Salivary secretion, centre for 341	Serum of the blood (see Blood)	2
Saponification	Sex, determination of, in the fœtus	79
Sarcolactates	Sexual intercourse (see Coitus)	79
Sarcolemma	Sighing	13
Savors	Sight (see Vision)	67
Scala tympani of the cochlea	Sinus terminalis of the area vasculosa	83
Scala vestibuli of the cochlea	Sinuses of Valsalva	3
Scalene muscles, action of, in respiration 119	Skatol, production of, by action of trypsine on	
Scarpa, humor of	albuminoids	26
Schlemm, canal of	in the fæces	26
Schneiderian mucous membrane	Skeleton, development of	81
Schwann, sheath of	ossification of	81
— white substance of	Skin respiration by	10
Sclerotic coat of the eye	effects of an impermeable coating applied	
— development of	to	16
Scrotum		

PAGE

Spinal accessory nerve, properties and uses of 559
— uses of the internal branch of 559
— influence of, upon phonation 560
— influence of, upon deglutition 560
— influence of, upon the heart 56, 560
uses of the external, or muscular branch
of, going to the sterno-cleido-mastoid and
trapezius muscles 561
Spinal column, development of 817
- twisting of, in the embryon 817
Spinal cord, rate of conduction by 528
— physiological anatomy of 586, 589
— direction of the fibres in 598
— general properties of
— motor paths in
— motor paths in
— sensory paths in 595
— hyperæsthesia due to injury of portions of. 596
uses of, in connection with muscular co-
ordination
— nerve-centres in 597
- reflex action of
—— development of 819
Spinal nerves
— motor and sensory roots of
Splanchnopleure
Coloon poletions of to the 13 1
Spleen, relations of, to the blood-corpuscles.
11, 418
proportion of leucocytes in the blood of
the veins of
— physiological anatomy of 413
- blood-vessels, nerves, and lymphatics of 415
— chemical constitution of 416
— variations in the volume of
— extirpation of
— extripation of
—— uses of
— development of
Stapedius muscle
Stapes
—— development of
Starch
Steapsine
Stearine
Steno, duct of
Stercorine
Stereoscope
Sterne meetaldang estion of in
Sterno-mastoideus, action of, in respiration 199
Sterno-mastoideus, action of, in respiration 122 St. Martin, case of
Sterno-mastoideus, action of, in respiration 122 St. Martin, case of 216 Stomach, physiological anatomy of 211
Sterno-mastoideus, action of, in respiration
Sterno-mastoideus, action of, in respiration
Sterno-mastoideus, action of, in respiration   122
Sterno-mastoideus, action of, in respiration
Sterno-mastoideus, action of, in respiration 122 St. Martin, case of 216 Stomach, physiological anatomy of 211 — glands 214 — closed follicles of 216 — secretion of (see Gastric juice) 216 — changes in the appearance of the mucous membrane of, during the secretion of gastric juice 218 — extracts of the mucous membrane of 218 — duration of digestion in 228 — digestibility of different aliments in 229 — influence of the programmer 220
Sterno-mastoideus, action of, in respiration 122 St. Martin, case of. 216 Stomach, physiological anatomy of 211 — glands 214 — closed follicles of 216 — secretion of (see Gastric juice) 216 — changes in the appearance of the mucous membrane of, during the secretion of gastric juice 218 — extracts of the mucous membrane of 218 — duration of digestion in 228 — digestibility of different aliments in 229 — influence of the pneumogastrics upon 230 — influence of the nervous system upon 230
Sterno-mastoideus, action of, in respiration
Sterno-mastoideus, action of, in respiration   122
Sterno-mastoideus, action of, in respiration

	LAGS
Subclavian arteries, development of 837	Taste-beakers
Subclavian veins, development of 838	Taste-cells. 670
Sublingual nerves, physiological anatomy of 562	Taste-centre 670
- properties and uses of 569	Taste-nores 670
— effects of section of, upon deglutition 563	Tastes and flavors
Sublingual saliva (see Saliva)	Tastes and navois
Suhmavillany ganglion	Taurine in the urine
Submaxillary ganglion	
Submaxillary saliva (see Saliva)	Tea 179
Sucking, mechanism of 188	— composition of 180
Sudoriparous glands (see Sweat)	Tears. 727
— first appearance of	Teeth physiological anatomy of 189
Suffocation, sense of	uses of the sensibility of to hard sub-
Sugars	stances, in mastication
Sugar of milk	Stances, in mastication
— production of, by the liver (see Liver) 408	
character of production of the fiver (see Liver) 405	— order of eruption of
— character of, produced by the liver 410	— permanent, development of 829
Sulphates in the body	— order of eruption of 830
Sulphocyanide in the saliva 195	Temperature of the body 446
Summation tones	— sense of
Superfecundation 797	Temporo-maxillary articulation
Suprarenal capsules, weight of, compared with	Tendons, connection of, with the muscles 470
the kidneys, in feetus and adult	Tenon, capsule of
— structure of	Tenon, capsule of
— structure of	Tensor palati
— chemical reactions of	Tensor tympani
— extirpation of 421	Testicles
— development of 839	first appearance of
Sweat	— descent of 831
— mechanism of the secretion of 355	gubernaculum of
- influence of the nervous system upon the	Tegmentum 609
secretion of	Tetanus
— quantity of	Theine
proportion and composition of	Theobranina 100
— properties and composition of	Theobromine
— equalization of animal heat by 357	Thirst
— peculiarities of, in certain parts 358	effects of hæmorrhage upon
Sweat-centres	seat of sense of
Sweat-glands	- relief of, by absorption of water by the
Sympathetic system	skin
— general arrangement of	Thoracic duct
— cranial ganglia of 633	— fistula into
— cervical ganglia of	Thorax, form of
— thoracic ganglia of	
abdominal and polaris and life of	expiration
— abdominal and pelvic ganglia of 639	expiration
— general properties of	728 Thrænine
— direct experiments upon 64	Thymus gland 423
- influence of division of nerves of, upon	Thyro-arytenoid muscles 491
animal heat	Thyroid gland, structure of
influence of, upon the circulation 64	— chemical constitution of 422
— influence of, upon secretion 642	e extirpation of
— influence of, upon the urine 649	
— influence of, upon the intestines	
- influence of, upon the intestines 043	
— reflex phenomena in 64	
— development of 819	
Sympexions	
Synovial bursæ 31	
Synovial fluid	
Synovial fringes	5 — papillæ of
Synovial membranes	
Synovial sheaths	
Synovine	
J1011110 910	— variations in the sense of, in different parts 655
Destile control	
Tactile centre	
Tactile corpuscles	
Taste (see Gustation)	
— influence of the chorda tympani upon. 554, 66-	
— nerves of	1 Trachea
- action of the glosso-pharyngeal nerve in . 66	7   — development of 825