

164 Experimental Data in Regard to Importance of Trauma in Localization of Tuberculosis in the Joints. N. N. Petroff.—  
 Exprim. dannya po voprosu bogortchatkye sustavov v svyazi s povrezhdeniyami.

### New Patents.

Patents of interest to physicians, December 16, 23 and 30:

715748. Making acetic acid. Paul Boessneck, Glauchau, Germany.

716221. Hernial truss. Francis J. Hage, Sr., Goldsboro, N. C.

716040. Applicator. Wm. C. Holt, Oakley, Kan.

716240. Syringe. Thomas L. Jones, Kansas City, Mo.

716265. Blister plaster. Elbert W. McAllister, South Bend, Ind.

716304. Fountain syringe. James H. Stearns, Brooklyn.

716329. Antiseptic protector for telephone mouthpieces. Robert I. Willmarth, San Francisco.

36172. Design, hot water bag or similar article. Victor C. Van't Woud, Brooklyn.

716526. Syringe bulb. Richard H. Eddy, Providence, R. I.

716426. Syringe. Alcinous B. Jamison, New York.

716448. Movement cure apparatus. Gerald J. Macaura, Hartford, Conn.

716756. Surgeon's operating table. Timothy B. Powers, New York.

716474. Apparatus for manufacturing and dispensing carbonated beverages. Orrin J. Price, Detroit.

716789. Manufacturing chlorates. Richard Threlfall, Birmingham, Eng.

717072. Magnetotherapeutic apparatus. John Burry, Brooklyn.

717085. Caseln compound. Henry V. Dunham, New York.

716878. Making caffeine. Benjamin R. Faunce, Philadelphia.

717407. Ear-massage apparatus. Miller R. Hutchinson, Upper Montclair, N. J.

717436. Inhaler. Stephen A. Morse, Oklahoma, O. T.

716931. Nasal irrigator. Charles H. Pattison, Chicago.

717448. Sterilizing apparatus. R. R. Pease and P. J. Tucker, Hartford, Conn.

717474. Atomizer. George S. Tolman, Winthrop, and G. K. Jones, Somerville, Mass.

## The Public Service.

### Army Changes.

Movements of officers of the Medical Department, U. S. A., under orders from the Adjutant-General's Office, Washington, D. C., from Dec. 22 to Dec. 26, 1902:

Adair, Geo. F., contract surgeon, U. S. A., is relieved from further duty in the Division of the Philippines, and will report in person to the commanding general, Department of the East, for assignment to duty.

Anderson, Robert A., contract surgeon, U. S. A., is granted leave of absence for two months, to take effect about Jan. 1, 1903.

Brownlee, Chas. Y., first lieutenant and asst.-surgeon, U. S. A., is granted leave of absence for twenty days.

Dale, Frederick A., first lieutenant and asst.-surgeon, U. S. A., is granted leave of absence for ten days.

Edwards, James F., first lieutenant and asst.-surgeon, U. S. A., is relieved from further duty in the Division of the Philippines, and on the expiration of his present leave will proceed to Ft. Leavenworth, Kan., for duty at that post.

Powell, Dwight C., contract surgeon, U. S. A., will proceed to Ft. Barrancas, Fla., and report to the commanding officer of that post for duty to relieve Captain Thomas J. Kirkpatrick, asst.-surgeon, U. S. A., who will proceed to San Francisco, and report to the commanding general, Department of California, for assignment to duty with troops en route to the Philippines.

Reynolds, Charles R., first lieutenant and asst.-surgeon, U. S. A., now at San Francisco, will proceed to Ft. Washington, Md., for duty, relieving First Lieutenant Frederick F. Russell, asst.-surgeon, U. S. A., who will proceed to Ft. Wingate, N. M., and report to the commanding officer of that post for duty.

Thorp, Chas. W., contract surgeon, U. S. A., will proceed to Ft. Grant, Ariz., to relieve Captain Charles E. B. Flagg, who will proceed to San Francisco, for assignment to duty with troops en route to the Philippines.

Van Poole, Gideon McD., first lieutenant and asst.-surgeon, U. S. A., is granted ten days' extension of leave.

The following named officers, now at San Francisco, will proceed to their respective homes to await their honorable discharge from the service of the U. S., Feb. 1, 1903: Captains Robert E. Caldwell, Joseph L. Sanford, Percival S. Rossiter, Elmer S. Tenney, Wm. B. McPherson and Francis J. Pursell, asst.-surgeons, U. S. V.

### Navy Changes.

Changes in the Medical Corps of the Navy for the week ended Jan. 3, 1903:

Asst.-Surgeon J. M. Brister, detached from the *Frolic* and ordered to the *El Cano*.

Asst.-Surgeon U. R. Webb, detached from the *Iris* and ordered to the Naval Station, Cavite, P. I.

Asst.-Surgeon H. A. Dunn, detached from the *Vicksburg* and ordered to the *Frolic*.

P. A. Surgeon C. A. Crawford, detached from recruiting duty and ordered home to wait orders.

P. A. Surgeon G. L. Angeny, detached from the *Lancaster* and ordered to the *Essex*.

Asst.-Surgeon R. W. Plummer, detached from the Naval Hospital, Chelsea, Mass., and ordered to duty at Chattanooga, Tenn.

Asst.-Surgeon G. F. Freeman, detached from the *Essex* and ordered to duty at Naval Hospital, Chelsea, Mass.

Asst.-Surgeon W. H. Ulsb, Dec. 22, 1902, retired from active service, by reason of disabilities incurred in the line of duty.

P. A. Surgeon H. C. Curl, ordered to the Naval Hospital, Mare Island, Cal., for treatment.

### Marine-Hospital Changes.

Official list of the changes of station and duties of commissioned and non-commissioned officers of the Public Health and Marine-Hospital Service, for the seven days ended Jan. 1, 1903:

Surgeon Preston H. Bailhache, leave of absence for seven days on account of sickness, under Paragraph 179 of the regulations.

P. A. Surgeon H. S. Mathewson, granted leave of absence for seven days from Dec. 2, 1902.

P. A. Surgeon S. B. Grubbs, detailed to represent the service at meeting of the American Public Health Association at New Orleans, Dec. 8-12; to proceed to Ensenada, Cal., for special temporary duty, Dec. 12, 1902; to proceed to Mazatlan, Mex., for special temporary duty, Dec. 30, 1902.

Asst.-Surgeon W. A. Korn, granted leave of absence for seven days from Dec. 25, 1902, under Paragraph 181 of the regulations.

Asst.-Surgeon J. W. Schereschewsky, to proceed to Charleston, S. C., and assume temporary command of the service during the absence, on sick leave, of A. A. Surgeon F. F. Sams.

Asst.-Surgeon H. McG. Robertson, relieved from duty at Chicago, and directed to proceed to New York (Stapleton), and report to medical officer in command for duty and assignment of quarters.

### BOARDS CONVENED.

Board convened at Washington, D. C., Dec. 26, 1902, for the physical examination of Chief Engineer Howison, R. C. S. Detail for the Board: Assistant Surgeon-General H. D. Geddings, chairman; Asst.-Surgeon B. S. Warren, recorder.

Board convened at Washington, D. C., Dec. 27, 1902, for the physical examination of Chief Engineer Maher, R. C. S. Detail for the Board: Assistant Surgeon-General H. D. Geddings, chairman; Asst.-Surgeon B. S. Warren, recorder.

### PROMOTIONS.

John Achenbach and E. S. Maguire, to be pharmacists of the first class.

### Health Reports.

The following cases of smallpox, yellow fever, cholera and plague have been reported to the Surgeon-General, Public Health and Marine-Hospital Service, during the week ended Jan. 3, 1903:

#### SMALLPOX—UNITED STATES.

California: San Francisco, Dec. 14-21, 7 cases.

Colorado: Denver, Dec. 6-20, 11 cases.

Illinois: Chicago, Dec. 20-27, 3 cases.

Indiana: Dec. 20-27, Evansville, 1 case; Indianapolis, 37 cases, 4 deaths; Kokomo, 1 case; South Bend, 1 case.

Kentucky: Lexington, Dec. 20-27, 1 case.

Maine: Portland, Dec. 20-27, 1 death.

Massachusetts: Dec. 20-27, Boston, 13 cases, 6 deaths; Somerville, 1 case.

Michigan: Detroit, Dec. 13-27, 93 cases, 1 death; Grand Rapids, Dec. 20-27, 8 cases.

Mississippi: Natchez, Dec. 23, 10 cases.

Missouri: St. Louis, Dec. 14-21, 26 cases.

Nebraska: Omaha, Dec. 20-27, 9 cases.

New Hampshire: Dec. 20-27, Manchester, 7 cases; Nashua, 8 cases.

New Jersey: Camden, Dec. 20-27, 1 case; Jersey City, Dec. 21-28, 1 case.

New York: Binghamton, Dec. 20-27, 1 case; Buffalo, Dec. 13-20, 2 cases.

Ohio: Cincinnati, Dec. 19-26, 15 cases; Cleveland, Dec. 20-27, 7 cases, 4 deaths; Toledo, Dec. 6-27, 24 cases, 2 deaths; Warren, Dec. 6-27, 5 cases, 1 death.

Pennsylvania: Altoona, Dec. 20-27, 1 case; Erie, Dec. 20-27, 3 cases; Philadelphia, Dec. 20-27, 25 cases, 3 deaths; Pittsburg, Dec. 20-27, 23 cases, 3 deaths; Warren, borough and county, Dec. 10-17, 5 cases.

South Carolina: Charleston, Dec. 13-27, 4 cases.

South Dakota: Sioux Falls, Dec. 20-27, 1 case.

Tennessee: Memphis, Dec. 20-27, 4 cases.

Utah: Salt Lake City, Dec. 11-27, 20 cases.

Washington: Tacoma, Dec. 15-21, 3 deaths.

Wisconsin: Green Bay, Dec. 21-28, 1 case; Milwaukee, Dec. 20-27, 5 cases.

#### SMALLPOX—FOREIGN.

Austria: Prague, Nov. 29-Dec. 6, 24 cases.

Belgium: Brussels, Nov. 29-Dec. 6, 1 death; Ghent, Nov. 22-29, 3 deaths.

Canada: Winnipeg, Dec. 13-20, 1 case.

Great Britain: Leeds, Dec. 6-13, 6 cases, 1 death; Liverpool, Dec. 6-13, 34 cases, 1 death; Manchester, Nov. 29-Dec. 6, 3 cases; Sheffield, Nov. 29-Dec. 6, 5 cases.

India: Bombay, Nov. 25-Dec. 2, 2 deaths; Karachi, Nov. 23-30, 1 case.

Italy: Palermo, Nov. 29-Dec. 6, 6 cases, 2 deaths.

Malta: Nov. 23-30, 1 case.

Mexico: City of Mexico, Dec. 7-14, 2 cases, 3 deaths.

Russia: Moscow, Nov. 22-29, 2 deaths; Odessa, Nov. 29-Dec. 6, 5 cases; St. Petersburg, Nov. 29-Dec. 6, 13 cases, 2 deaths.

Straits Settlements: Singapore, Nov. 1-13, 5 deaths.

#### YELLOW FEVER.

Colombia: Panama, Dec. 8-22, 9 cases, 2 deaths.

Ecuador: Guayaquil, Dec. 6-13, 10 deaths.

Mexico: Vera Cruz, Dec. 13-20, 14 cases, 3 deaths.

#### PLAGUE.

India: Bombay, Nov. 25-Dec. 2, 120 deaths; Calcutta, Nov. 22-29, 12 deaths; Karachi, Nov. 22-30, 11 cases, 10 deaths; Madras, Nov. 22-28, 1 death.

#### CHOLERA.

India: Calcutta, Nov. 22-29, 42 deaths.

Japan: Osaka and Hiogo, Nov. 8-23, 3 cases, 2 deaths.

Straits Settlements: Singapore, Nov. 1-15, 22 deaths.