

- Hanson, Harriet (Mrs. W. S. Robinson), in Lowell factory, 93
- Hargreaves, James, invents spinning jenny, 35
- Harvesting machinery, 115-123
- Haviland, Geoffrey de, British airplane inventor, 242
- Hawker, attempted transatlantic flight, 243
- Haystacks, 122
- Hendrick, B. J., *The Age of Big Business*, cited, 117 (note), 146, 209 (note)
- Henry, Joseph, investigator of electricity, 195-96, 200; discoveries, 196-97; principle of electric telegraph, 198-99; at Princeton, 199; Secretary of Smithsonian Institution, 200-01; on Lighthouse Board, 201; and Morse, 201; and Bell, 201-02; blazes way for electric motor, 202; dynamo, 202; bibliography, 253
- Henry, William, constructs steamboat, 58
- Herald*, New York, 146-47
- Herrera, Spanish historian, on rubber balls, 161
- Hewitt, A. S., quoted, 177
- Heyl, Henry, stages first motion pictures, 154-55
- Highland and Agricultural Society of Edinburgh, Bell receives prize from, 116
- Hoe, Robert, printing press, 147, 148
- Hoe, R. M., son of Robert, invents rotary press, 148
- Holmes, Hogden, improves cotton gin, 51
- Hood, Thomas, *The Song of the Shirt*, 98
- Hopkins, Samuel, first to receive patent under Patent Act, 28
- Howe, Elias, birth (1819), 98; early life, 98-99; invents sewing machine, 100-02; in London, 102; poverty, 103; infringements, 103-04; settlement of case favors, 104; combination of inventors and manufacturers, 105-06; bibliography, 250
- Hulbert, A. B., *The Paths of Inland Commerce*, cited, 68 (note)
- Hunt, Walt, invents sewing machine, 100, 104
- Hussey, Obed, patents reaper, 116, 117, 121
- Hydroaeroplane, 241-42
- Iles, George, *Leading American Inventors*, cited, 177 (note)
- Industrial Revolution, 36
- Industry, organization in United States (1790), 25
- Inglis, Charles, and Howe, 103
- Ink, Franklin makes, 4
- Jackson, P. T., brother-in-law of Lowell, 89; mills at Waltham, 90-91
- Jefferson, Thomas, Secretary of State, 39; plough, 112; letter to Jay, cited, 181
- John Bull*, locomotive, 81
- Junto, 5, 9, 14
- Kay, John, invents flying shuttle, 35
- Keimer, Samuel, employs Franklin, 3, 4; bankruptcy, 6
- Keith, Sir William, Governor of Pennsylvania, 4
- Kentucky, pioneers in (1790), 24
- Kertland, Philip, Lynn shoemaker, 108
- Ketchum, W. F., invents mowing machine, 122