

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

ENGINEERING LABORATORIES.

First Floor, 9,500 Square Feet.

NUMBERS AND NAMES OF MACHINES ON FLOOR PLANS.

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| 1 Drawing frame | 37 Hydraulic ram, 2½-inch drive pipe |
| 2 Speeder | 38 Hydraulic apparatus |
| 3 Fly frame | 39 Water motor |
| 4 Railway head | 40 Offices |
| 5 Carding engine | 41 Gauge testers |
| 6 Tables | 42 Electric motor, 20 H. P. |
| 7 Drosophore | 43 100,000 pounds testing machine |
| 8 Loom | 44 100,000 pounds testing machine |
| 9 Spinning frame | 45 50,000 pounds testing machine |
| 10 Mule | 46 Specimen racks |
| 11 Fan | 47 Frame for balancing |
| 12 Superheating calorimeters | 48 Gas explosion apparatus |
| 13 Throttling and Thomas' calorimeters | 49 Webber dynamometer |
| 14 Condenser | 50 Wire testing machine |
| 15 Hot-air engine (Ericson) | 51 6,000 inch-pounds torsion machine |
| 16 Instrument cases | 52 Cast-iron transverse testing machine |
| 17 Hot-air engine (Rider) | 53 Repeated stress testing machine |
| 18 Steam engine, 5 H. P. | 54 Time test of timber beams |
| 19 Steam engine, 8 H. P. | 55 Microscope for metallographic work |
| 20 Supply tank for hydraulic ram | 56 Lubricant testing machine |
| 21 Continuous water calorimeter | 57 Cases |
| 22 Injector testing apparatus | 58 Rope testing machine, 150,000 pounds capacity |
| 23 Apparatus for testing the force of the jet of an injector | 59 60,000 inch-pounds torsion machine |
| 24 Brake for Pelton water-wheel | 60 Cloth testing machine |
| 25 24-inch weir (suspended) | 61 Impact machine |
| 26 Emerson power-scale | 62 Machine for testing cement |
| 27 Pelton water-wheel | 63 Abrasion machine |
| 28 10-inch centrifugal machine | 64 Large weighing scales |
| 29 Ejector | 65 Cement mixer |
| 30 Tank for hydraulic experiments | 66 Briquetting machine |
| 31 Apparatus for testing hose nozzles | 67 Speed cones |
| 32 Weir | 68 Emery grinder |
| 33 Mercury column | 69 Speed controller |
| 34 Hydraulic stand-pipe | 70 Cement specimen tanks |
| 35 Venturi meter | 168 Superheater |
| 36 Adjustable weir and tank | 169 Physical Balances |

