TABLE I.—Weights at the different Degrees of Temperature,

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ieat. | too grains too grains The pure of ſpirit to of ſpirit to Spirit. 5 grains to grains of water, of water. | 100 grains of ſpirit to 15 grains of water. | roo grains of ſpirit to 2.0 grains of water. | .  too grains of ſpirit to \*5 grains of water. | 100 grains of ſpirit to 30 grains of water. | 100 grains of ſpirit to 35grains of water | ico grains of ſpirit to 40grain8 of water. | ιoograins of ſpirit to 45 grains of water. | 100 grains of ſpirit to 5 c grains of water. | too grains of ſpirit to 55 grains of water. | 100 grains of ſpirit to 60 grains of water. | 100 grains ofſpirit to 65 gτains of water. |
| deg. | Grains. Grains. Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. |
| 30 | 2487,352519,922548,42 | 2573,80 | 2596,66 | 2617,30 | 2636,23 | 2653,73 | 2669,83 | 2684,74 | 2698,ςx | 27il,i4 | 2722,89 | 2733>87 |
| 35 | 248θ,87 2513,43 2541,84 | 2567,26 | 2590,16 | 26lO,87 | 2629,92 | 2647,47 | 2663,64 | 2678,60 | 2692,43 | 2705,14 | 2716,92 | 2-27,87 |
| .4° | 2474,302506,752535,41 | 2560,74 | 2583,66 | 2604,50 | 2623,56 | 2641,08 | 2657,23 | 2672,30 | 2686,32 | 2698,94 | 27iO,8 I | 2721,83 |
| 45 | 2467,6225OO,I4 2528,75 | 2554>O9 | 2577,IO | 2597,98 | 2617,03 | 2634,64 | 2650,87 | 2666,04 | 2679,99 | 2692,77 | 2704>57 | 2715,62 |
| ∣5o | 2460,752493,332521,96 | 2547>47 | 2570,42 | 2591,38 | 26lO,54 | 2628,21 | 2644,43 | 2659,55 | 2673,64 | 2686,54 | 2698,42 | 2709,48 |
|  | 2453,802486,3725i5,D3 | 2540,6c | 2563,64 | 2584,65 | 2603,80 | 2621,50 | 2637,86 | 2653,04 | 2667,14 | 2679,98 | 2691,83 | 2702,98 |
| ∣6o | 2447,002479,56 2508,27 | 2533,83 | 2556,90 | 2577,95 | 2597,22 | 2615,03 | 2631,37 | 2646,53 | 2660,62 | 2673,55 | 2685,52 | 2696,73 |
| 65 | 244O,122472,75 25OI,53 | 2526,99 | 2550,22 | 257i,24 | 2590,55 | 2608,37 | 2624,75 | 2640,Ol | 2654,04 | 2667,07 | 2679,15 | 2690,32 |
| 70 | 2433,23 2465,88 2494,56 | 2520,03 | 2543>32 | 2564,47 | 2583,88 | 2601,67 | 2617,96 | 2633,32 | 2647,52 | 2660,63 | 2672,74 | 2684,02 |
| 75 | 2426,23 2458,78 2487,62 | 2513,08 | 2536,39 | 2557,61 | 2576,93 | 2594,8θ | 2611,19 | 2626,55 | 2640,81 | 2653,99 | 2666,06 | 2677,34 |
| 80 | 2419,02 2451,67 2480,45 | 2506,08 | 2529,24 | 255O,5O | 2569,86 | 2587,93 | 2604,29 | 2619,72 | 2633,99 | 2647,12 | 2659,36 | 2670,69 |
| 85 | 2411,922444,632473,33 | 2499,01 | 2522,29 | 254304 | 2563,OI | 2580,93 | 2597,45 | 2613,02 | 2627,39 | 2640,60 | 2652,78 | 2664,16 |
| 90 | 2404,902437,62 2466,32 | 2491,99 | 2515,28 | 2536,63 | 2556,11 | 2574,02 | 259C,6θ | 2606,16 | 2620,52 | 2633,74 | 2646,OO | 2657,41 |
| 95 | 2397,682430,332459,13 | 2484,74 | 25o8,IO | 2529,46 | 2549√3 | 2567,03 | 2583,65 | 2599,24 | 2613,57 | 2626,94 | 2639,25 | 2650,63 |
| 00 | 2390,602423,22 2452,13 | 2477,64 | 25θθ,9i | 2522,30 | 254i,92 | 2559,96 | 2576,56 | 2592,14 | 2606,5c | 2619,75 | 2632,17 | 2643,75 |
| Heat  > | roo grains ∣ co grain\* t co grains of ſpirit to >f ſpiritto of ſpirit tc 70 grains 75 grains 80 grain- of water, <>f water, of water | too grain.- of ſpirit t< S5 grains oi water. | «00 grains .f ſpirit to 90 grains of water. | IOO grains of ſpirit to 95grains of water. | 100 grains of ſpirit to  100 grains of water. | 95 grains of ſpirit to 100 grains of water. | 90 grains jf ſpirit to 100 grains of water. | S? grain> of ſpirit tc ιco grains of water. | 8ograins. of ſpirit to too grains of water. | 75 grains ∙>f ſpirit to ιoc grains of water. | 70 grains of ſpirit to 10a grain» of warer. | 65 grains of ſpirit to too grains of water. |
| Seg. | Grains. Grains. Grains. | Grains | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grams. | Grains. |
| 30 | 2744,202753,752762,72 | 2771,08 | 2778,99 | 2786,36 | 2793,22 | 2799,85 | 2806,61 | 2813,85 | 2821,3 ς | 2828,90 | 2836,39 | 2844,16 |
| 35 | 2738U3 2747>74 275M, | 2765,32 | 2773,22 | 2780,59 | 2787,54 | 2794,19 | 28θ∣,i4 | 2808,52 | 2816,07 | 2823,68 | 2831,36 | 2839,26 |
| 4O | 2732,242741,862750,96 | 2759>5c | 2767,48 | 2774,9o | 278 l,84 | 2788,69 | 2795,70 | 2803,17 | 28lO,73 | 2818,36 | 2826,31 | 2834,4o |
| 45 | 2726,092735,77 2744,82 | 2753>3^ | 2761,42 | 2768,85 | 2775,94 | 2782,99 | 2789,99 | 2797>45 | 2805,08 | 2812,93 | 2821,00 | 2829,28 |
| 50 | 2719,93 2729^64 2738,74 | 2747,27 | 2755,37 | 2762,95 | 2770,14 | 2777,19 | 2784,30 | 2791,72 | 2799,58 | 2807,56 | 2815,71 | 2824,12 |
| 55 | 2713,602723,51 2732,64 | 2741,24 | 2749,27 | 2756,83 | 2764,09 | 2771,29 | 2778,54 | 2785,96 | l2793,82 | 28θl,89 | 2810,23 | 281 8,80 |
| 60 | 2707,40 2717,302726,52 | 2735,,7 | 2743,28 | 275°,93 | 2758,I7 | 2765,40 | 2772,70 | 2780,26 | 2788,25 | 2796,45 | 2804,85 | 2813,65 |
| 65 | 2701,052710,962720,25 | 2728,98 | 2737,09 | 2744,86 | 2752,2i | 2759>47 | 2766,73 | 2774,43 | 2782,62 | 2790,8 1 | 2799,38 | 2808,31 |
| 70 | 2694,76 2704,642713,87 | 2722,75 | 2730,94 | 2738,73 | ∣2746,06 | 2753,41 | 2760,75 | 2768,45 | 2776,72 | 278 ς,06 | 2793,80 | 2802,88 |
| 75 | 2688,142698,07 2707,49 | 2716,3 5 | 2724,64 | .2732,39 | ∣2739,89 | 2747,23 | 2754,73 | 2762,58 | 2770,93 | 2779,26 | 2788,00 | 2797,21 |
| 80 | 2681,502691,502700,94 | 2709,7i | > 2718,12 | 2726,06 | 2733,53 | 2 740,93 | 2748,42 | 2756,43 | 2764,87 | 2773,33 | 2782,14 | 2791,52 |
| 85 | 2674,95 2684,98 2694,53 | 27°3,3< | 2711,86 | p7l9,74 | 2727,25 | 2734,8o | 2742,3 1 | 2750,22 | 2758,80 | 2767,44 | 2776,33 | 2785,8 I |
| 90 | 2668,29 2678,49 2687,99 | 2696,91 | 27o5,37 | ∣27I3,32 | 272i,Ol | 2728,59 | 2736,23 | 2744,24 | 2752,76 | 2761,51 | 2770,59 | 2780,11 |
| 95 | 2661,51 267 i,82 2681,34 | 2690,33 | 2698,86 | 2706,88 | 2714,61 | 2722,23 | 2729,89 | 2737,98 | 2746,57 | 2755,34 | 2764,57 | 2774,25 |
| IOO | 2654,76 2664,99 2674,62 | 2683,63 | 2692,25 | 2700,33 | 2708,04 | 2715,73 | 2723,35 | 2731>55 | 274°,43 | 2749,28 | 2758,48 | 2768,43 |
| Heat | 60 grains 55 grains 50 grains of ſpirit to >f ſpirit to of ſpirit to roo grain, ιoograins too grains of water bf water, of wate>∙. | 45 grains of ſpirit tc too grain of water. | 40 grains >of ſpirit tc 5ioo grains of water. | 35 grains of ſpirit to 100 grain? of water. | 30 grains of ſpirit to ιθθ grains of water. | 15 grains of ſpirit to roogra’ns of water. | 20 grains of ſpirit t< !00 grains of water | t5 grains of ſpirit to tθograins of water. | 10 grains of ſpirit to ioo grains of water. | 5 grains of ſpirit tt too grains· of water. | Water. |  |
| deg; | Grains. , Grains Grains. | Grains. | Grains. | Grains | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. | Grains. |  |
| 3o | 2852,03 2859,7 1 2867,12 | 2874,43 | 2881,34 | 2887,77 | 2894,22 | 29OO,85 | 2908,21 | 2917,19 | 2928,80 | 2944,53 |  |  |
| 35 | 2847,45 2855,322863,16 | 2870,87 | 2878,21 | 2885,06 | 2892,07 | 2899,31 | 2907,45 | 2916,95 | 2928,99 | 2945,02 | 2967,M |  |
| • 40 | 2842,62 28 50,88 2859,06 | 2867,08 | 2874,81 | 2882,30 | 2889,78 | 2897,61 | 2906,39 | 2916,41 | 2928,93 | 2945,25 | 2967,45 |  |
| « | 2837,64 2846,16 2854,67 | 2863,04 | 2871,22 | 2879,22 | 2887,33 | 2895,67 | 2904,98 | 2915,55 | 2928,49 | 2945,20 | 2967,40 |  |
| 5° | 2832,76 2841,52 2850,29 | 2858,96 | 2867,52 | 2875,98 | 2884,57 | 2893,58 | 29o3,39 | 29∏,42 | 2927,81 | 2944,73 | 2967,05 |  |
| 55 | 2827,68 2836,69 2845,72 | 2854,75 | 2863,75 | 2872,67 | 288 I,69 | 28)4,11 | 2901,42 | 2913,02 | 2926,73 | 2943,98 | 2966,34 |  |
| 60 | 2822,65 2831,902841,10 | 2850,50 | 2859,87 | 2869,15 | 2878,72 | 2888,62 | 2899,35 | 2911,32 | 2925,5O | 2942,98 | 2965>39 |  |
| 65 | 2817,49 2826,902836,30 | 2845,97 | 2855,65 | 2865,45 | 2875,49 | 2885,85 | 2897,09 | 2909,43 | 2923,9O | 2941,69 | 2964,11 |  |
| 70 | 2812,162821,78'28-31,6∙ι | 2841,42 | 2851,53 | 2861,63 | 2872,06 | 2882,90 | 2894,56 | 2907,33 | 2922,24 | 294°,13 | 2962,66 |  |
| 75 | 2806,75 2816,63j2826x56 | 2836,80 | 2847,14 | 2857,70 | 2868,49 | 2879,67 | 2891,79 | 2905,04 | 2920,17 | 293y>33 | 2960,97 |  |
| 80 | 2801,25 2811,23’2821,38 | 2831,92 | 2842,56 | 2853,38 | 2864,54l | 2876,22 | 2888,73 | 2902,35 | 2917,83 | 2936,31 | 2959,07 |  |
| 85 | 2795,69 2805,85∣2816,32 | 2827,12 | 2838,07 | 2849,28 | 2860,86 | 2872,88 | 2885,56 | 2899,55 | 2915,46 | 2934,14 | 2956,94 |  |
| 90 | 2790,13 2800,40:2811,05 | 2822,15 | 2833,38 | 2844,81 | 2856,80 | 2869,16 | 2882,25 | 2896,58 | 2912,84 | 2931,77 | 2954,70 |  |
| 95 | 2704,36 2794,9ι∣2805,79 | 2817,08 | 2828,46 | 2840,26 | 2852,47 | 2865,15 | 2878,71 | 2898,44 | 291σ,02 | 2929,15 | 2952,08 |  |
| JOO | [2778,64 2789,32,2800,25 | 2811,80 | 2823,55 | 2835,3s | 2848,18 | 2861,12 | 2875,07 | 2890,04 | 2906,97 | 2926,28 | 2949,34 |  |