Burmese Jumper, which has unnaturally short legs, are slightly shortened relatively to the leg-bones; but the decrease is so slight that it may be due to the standard specimen of *G. bankiva* having accidentally had wings of slightly greater length than usual; so that the measurements are not worth giving. But it deserves notice that the Silk and Frizzled fowls, which are quite incapable of flight, had their wings *less* reduced relatively to their legs than in almost any other breed! We have seen with domesticated pigeons that the bones of the wings are somewhat reduced in length, whilst the primary feathers are rather increased in length, and it is just possible, though not probable, that in the Silk and Frizzled fowls any tendency to decrease in the length of the wing-bones from disuse may have been checked through the law of compensation, by the decreased growth of the wing-feathers, and consequent increased supply of nutriment. The wing-bones, however, in both these breeds, are found to be slightly reduced in length when judged by the standard of the length of the sternum or head, relatively to these same parts in *G. bankiva*.

The actual weight of the main bones of the leg and wing in twelve breeds is given in the two first columns in the following table. The calculated weight of the wing-bones relatively to the leg-bones, in comparison with the leg and wing-bones of *G. bankiva*, are given in the third column,—the weight of the wing-bones in *G. bankiva* being called a hundred.[73]

TABLE I.

| | Names of Breeds. | Actual Weight of Femur and Tibia. | Actual Weight of Humerus and Ulna. | Weight of Wing-bones relatively to the Leg-bones in comparison with these same bones in *G. bankiva* |
|---|---|---|---|---|
| | | Grains. | Grains. | |
| | Gallus bankiva .. .. wild male | 86 | 54 | 100 |
| 1 | Cochin .. .. .. male | 311 | 162 | 83 |
| 2 | Dorking .. .. .. male | 557 | 248 | 70 |
| 3 | Spanish (Minorca) .. male | 386 | 183 | 75 |
| 4 | Gold-Spangled Polish male | 306 | 145 | 75 |
| 5 | Game, black-breasted male | 293 | 143 | 77 |
| 6 | Malay .. .. .. .. female | 231 | 116 | 80 |
| 7 | Sultan .. .. .. .. male | 189 | 94 | 79 |
| 8 | Indian Frizzled .. .. male | 206 | 88 | 67 |
| 9 | Burmese Jumper .. female | 53 | 36 | 108 |
| 10 | Hamburgh (pencilled) male | 157 | 104 | 106 |
| 11 | Hamburgh (pencilled) female | 114 | 77 | 108 |
| 12 | Silk (black-boned) .. female | 88 | 57 | 103 |

[73] It may be well to explain how the calculation has been made for the third column. In *G. bankiva* the leg-bones are to the wing-bones as 86 : 54, or as (neglecting decimals) 100 : 62;—in Cochins as 311 : 162, or