

per cent. of moisture found in the finely powdered coal from the loss found here. Correct for moisture in coarse coal if necessary.

The above method is that recommended by the Committee on Coal Analysis of the American Chemical Society.

*Ash.*—Burn the portion of powdered coal used for the determination of moisture, at first over a very low flame, with the crucible open and inclined, till free from carbon. The weight of the residue, which should be tested for unburned carbon by moistening with alcohol, represents the ash. Correct for moisture in the coarse ground coal if necessary.

*Fixed Carbon.*—Add together the percentage of ash, moisture and volatile matter and deduct the same from 100. The difference is the fixed carbon.