

BUSS'S REDUCING AND COMPARATIVE RULE.

PRICE 4s. 6d.

DIRECTIONS FOR USE.—This Rule shows on the side A B the comparative value of Spirits, and on the side C C C the quantity of water requisite for reducing from one strength to another. The middle or sliding part of the Rule shows the different strengths, from 70 per cent. under proof to 70 per cent. over proof. To the left of proof is under proof, and the right is over proof.

EXAMPLE.—Suppose a Spirit worth 18s. per gallon 20 per cent. over proof, what is the value of Proof Spirits, and Spirits 10 per cent. under proof, &c. &c.? Place the slide so that 20 per cent. over proof shall be facing 18s. upon the line A, then opposite every strength will be found the value in proportion thereto—proof will be worth 15s. per gallon; 10 per cent. under proof, 13s. 6d. per gallon, &c. &c. Again, suppose 10 per cent. over proof worth 12s. 6d. per gallon; place the slide so that 10 per cent. over proof shall be facing 12s. 6d., then proof will be worth 11s. 4½d. per gallon; 10 per cent. under proof, 10s. 2¾d., &c. &c. On the line B, if Proof Spirits cost 5s. per gallon, 20 per cent. under proof will be worth 4s. per gallon, &c. &c.

On the other side of this Rule denotes so many gallons, to facilitate the reducing of Spirits.

EXAMPLE.—Suppose 130 gallons of Spirits, 40 per cent. over proof, are required to be reduced to proof, place the slide so that 40 per cent. over proof shall be facing 130, then facing proof will be found 182, and 10 per cent. under proof 202, the number of gallons it is to be made up to. By this side also stocks may be taken and charges estimated, by placing the strength opposite the quantity, then opposite the strength the stock is to be taken at will be found the exact quantity of such Spirit.

BUSS'S NEW DIPPING ROD, Price 5s.

DIRECTIONS FOR USE.

This Rule will show the Ullage in any regular made Cask, let it be either Lying or Standing. Example:—Suppose a Barrel or 36-gallon Cask is present on Ullage, and that it is Standing, or S.S.; seek for such on the Rule, viz.—Barrel 36 gals. S.S.; dip the Cask perpendicularly, and the wet inches on that line will be the number of Gallons therein. Should the Cask be



Lying, or S.L., seek for such, viz., Barrel 36 Gallons, S.L., the wet will also indicate the contents, or Ullage. Whatever be the full contents of the Cask, a similar result will be found by looking on that part of the Rule where such is denoted, observing that each size Cask has two scales, or lines, viz., for S.L. and S.S.

To find the full contents of a Cask when such is not marked thereon, or known—

such as in the engraving, and the mark at B is the number of gallons it will contain when full.

THOMAS O. BUSS,

Sikes' Hydrometer,

SACCHAROMETER, THERMOMETER

AND

Gauging Instrument Manufacturer,

AS USED BY

THE INLAND REVENUE,

ADMIRALTY, H.M. CUSTOMS

AND DOCKYARDS,

33, HATTON GARDEN,

LONDON, E.C.

C. W. Archer

HONOURABLE MENTION awarded by the Jury of Class
XIII., INTERNATIONAL EXHIBITION, 1862, for the
accurate construction of Hydrometers, Saccharometers,
&c. This was the only award made, although many
other Makers exhibited.

