The following methods of reducing Sterling to our currency, at different rates of Exchange, will often be found convenient :—

At 1.09½. RULE.—Reduce the amount in Sterling to currency at $4 to the £1, and to that result add the aliquot parts for 86½ cents, viz., ¼ for 80 cents and $\frac{1}{12}$ of that for 6½ cents; the result is the amount in our currency.

EXAMPLE.

Reduce £84 13 9 Sterling to our currency @ 1.09½.

4

336 = value of £84 @ $4.

2.75 = ,, 13s. 9d.—*i.e.*, 10s. = $2, and 3s. 9d. = 75 cents.

¼ 338.75 = ,, @ $4 per £1.

$\frac{1}{12}$ 67.75 = ,, @ 80 cents.

5.65 = ,, @ 6½ ,, nearly.

$412.15 ANS. to the nearest cent.

In the above example, and all others of the same kind, the value @ 6¼ cents represents the premium @ 1½ per cent., and, consequently, the value @ 1.10 may be found by merely adding to the value @ 1.09½, ¼ of the value @ 6¼ cents, as found above.

At 1.10. RULE.—To the value @ $4 per £1 add ⅛ of the same repeated twice; the result is the value in our currency.

EXAMPLE.

Reduce £76 19 4 to our currency @ 1.10.

4

304 = value of £76 @ $4.

3.87 = ,, 19s. 4d.—*i.e.*, 15s. = $3, and 4s. 4d. = 87 cents.

⅛ 307.87 = ,, $4.

34.21 = ,, $\frac{1}{10}$.

34.21 = prem. @ 10 per cent.

$376.29 ANS. @ 10 °/₀ prem. or 1.10.

When Sterling is reduced @ 1.10 by the last method, the value at almost any other rate is easily obtained. For example,

Reduce £420 7 8 @ 1.09⅛—*i.e.*, ⅛ less than 1.10.

4

⅛ 1681.53 @ $4.

186.836 @ $\frac{1}{10}$.

⅛ °/₀ = $\frac{1}{10}$ of 186.836 prem. @ 10 °/₀.

2055.202 @ 1.10.

2.335 subtract $\frac{1}{10}$ of 10 °/₀ = value @ ⅛ °/₀.

$2052.87 ANS. @ 1.09⅛.

To get $\frac{1}{10}$, divide by 8, and set the figures one place to the right.

Reduce £735 7 10½ @ 1.10½.

4

¼ 2941.575 @ $\frac{1}{10}$.

326.841 @ $\frac{1}{10}$.

$\frac{1}{10}$ 326.841 prem. @ 10 °/₀.

16.342 ,, @ ½ °/₀.

$3611.60 ANS. @ 1.10½.