

## SPIRITS.

Time.—3 Hours.

In taking stock of the spirits in the distillery, the following gauges were taken, from which to compute the quantities at leisure. The rectifiers having been shut off at bottom at the time of stock taking :

1. Five rectifiers, each containing spirits at 30 under-proof.—

Bottom diameter.....	60 inches.
Top " .....	65 "
Depth.....	100 "
Space between false and real bottom.....	2 "
Thickness of false bottom.....	2 "
Depth of coal.....	80 "
Wet dip over coal.....	6 "

2. Five rectifiers containing spirits at proof in process of rectification :—

Bottom diameter.....	110 inches.
Top " .....	100 "
Depth.....	100 "

Otherwise the same gauges as the above.

3. Receiver No. 1 contains spirits 65 over-proof,—

Bottom diameter.....	140 inches.
Top " .....	130 "
Depth.....	100 "
Wet dip.....	75 "

In this Receiver was discovered an encumbrance in the form of a scantling  $3 \times 3\frac{1}{2}$  inches, resting on the bottom of the vessel and supporting the top.

4. Receiver No. 2 containing spirits at 50 under-proof,—

Bottom diameter.....	135 inches.
Top " .....	128 "
Depth .....	110 "
Wet dip.....	93 "

5. Receiver No. 3 containing spirits at 8 under-proof,—

Bottom diameter.....	160 inches.
Top " .....	150 "
Depth.....	120 "
Wet dip.....	112 "

6. The Mixing Tub containing spirits at 30 under-proof,—

Bottom diameter.....	160 inches.
Top " .....	157 "
Depth.....	50 "
Wet dip.....	42 "