BOURBON OIL.

Take Fusel Oil, 64 ounces.

Acetate of Potassium, 4 do.

Sulphuric Acid, 4 do.

Dissolve Sulphate of Copper, $\frac{1}{2}$ do.

and Oxalate of Ammonium, $\frac{1}{2}$ do.

each in Water, 4 do.

Add Black Oxide of Manganese, 1 do.

Place them all in a glass percolator and let them rest for 12 hours. Then percolate and put into a glass still, and distill half a gallon of the Bourbon Oil.

RYE OIL.

Take Fusel Oil, 64 ounces.

Œnanthic Ether, 8 do.

Chloroform, 8 do.

Sulphuric Acid, 8 do.

Add Chlorate of Potassium, 2 do.

Dissolved in Water, 8 do.

Place in a glass still and distill 64 ounces.
FRUIT JUICES AND FLAVORINGS.

COGNAC OIL.

Take Oil of Cocoa-nut melted, 16 ounces.

Sulphuric Acid, 8 fluid ozs.

Mix; and when cool, add

Alcohol, 16 ounces.

Distill.

RUM ETHER.

Take Black Oxide of Manganese, 2 ounces.

Pyroligneous Acid, 4 do.

Mix; and add

Alcohol, 32 do.

Sulphuric Acid, 4 do.

Place in a glass retort, and distill over 32 ounces.

RUM ESSENCE.

Rum Ether, 32 ounces.

Acetic Ether, 32 do.

Butyric Ether, 8 do.

Extract of Saffron, 16 do.

Oil of Birch, \( \frac{1}{8} \) do.
FRUIT JUICES AND FLAVORINGS.

This last is first cut in sufficient 95% alcohol.

This is the Rum Essence of Commerce and is sold at $32 per gallon.

BEADING OIL.

Take Oil of Sweet Almonds, 48 ounces.
Add Sulphuric Acid, 12 do.
When cool, neutralize with Ammonia (26° Baumé), and then dilute with double the volume of proof Spirits. The Sulphuric Acid must be chemically pure.

This is used to put an artificial bead on inferior liquors; it is virtually an Oleate of Ammonia, and deleterious.

FACTITIOUS WHISKEY.

The different grades of whiskeys here given commence with No. 1, the lowest, and increasing in quality with their numbers.
FACTITIOUS WHISKEY.

GRADE NO. 1.

The lowest grade of whiskey in the market is generally composed of the following ingredients:

- Spirits, 32 gallons.
- Water, 16 do.
- Sugar Coloring, 4 ounces.
- Beading Oil, 1 do.

The Sugar Coloring, or Caramel, is harmless and can be obtained from any druggist.

This grade is about 65% proof, and costs the rectifier 75 cents per gallon. It is sold to the jobbers at 90 cents, and to the saloon proprietors for $1.50.

The proof strength of this may be increased to 70°, 80°, or higher, the cost and price being in proportion.

GRADE NO. 2.

This quality is generally made by adding to Grade No. 1 either the Oil of Rye, or Oil
of Bourbon, making the result Rye Whiskey, or Bourbon, as the case may be. This increases the value five to ten cents on the gallon.

GRADE NO. 3.

This is also a cheap article, and consists of
Spirits, 45 gallons.
Prune Juice, ½ do.
Sugar Coloring, 4 ounces.

As the Prune Juice reduces the proof 2 to 3%, the value will not advance more than five cents per gallon. In all these grades one ounce of Beading Oil is added to the barrel. The reason for it is, that, although the rectifier may sell this article at full proof, the jobber may add water, which would otherwise destroy the effect of the Beading Oil. This is important, as these low grades are sold by appearance and without any particular reference to quality.
GRADE NO. 4.

Spirits, 45 gallons.
Prune Juice, \( \frac{1}{2} \) do.
New England Rum, \( \frac{1}{2} \) do.
Coloring, 4 ounces.
Beading Oil, 1 do.
This will cost $1.25 per gallon.

GRADE NO. 5.

Spirits, 45 gallons.
Prune Juice, \( \frac{1}{2} \) do.
St. John's Bread Extr. \( \frac{1}{2} \) do.
New England Rum, \( \frac{1}{2} \) do.
Coloring, 4 ounces.
Beading Oil, 1 do.
Syrup or Glycerine, 8 do.
This will cost $1.28 per gallon.

Glycerine is often used, but it is not advisable to do so. It imports a velvety smoothness at first, more so, perhaps, than syrup, but it soon turns bitter.
BLENDING BOURBON WHISKEYS.

GRADE NO. 6.

Spirits, 40 gallons.
Mallingly Whiskey, 5 do.
Peach Juice, 1/2 do.
Coloring, 4 ounces.

This will cost $1.30.

This grade, and those that follow, are based upon more or less genuine whiskey, and the judicious blending of the different brands.

GRADE NO. 7.

Spirits, 30 gallons.
Mallingly Whiskey, 5 do.
Atterton do. 5 do.
Peach Juice, 1/2 do.
Coloring, 4 ounces.

This blend will cost $1.38 per gallon.
BLENDING BOURBON WHISKEYS.

GRADE NO. 8.

Spirits, 30 gallons.
McBrayer Whiskey, 5 do.
Monarch, 5 do.
Peach Juice, \(\frac{1}{2}\) do.
Coloring, 4 ounces.

This blend of brands will cost $1.43 per gallon. The increase in the price being entirely due to the superior brands employed.

GRADE NO. 9.

Spirits, 20 gallons.
Monarch Whiskey, 10 do.
Mallingly do. 10 do.
Peach Juice, \(\frac{1}{2}\) do.
Coloring, 4 ounces.

The increased proportion of fine whiskies will raise the cost of this grade to $1.50 per gallon.
BLENDING BOURBON WHISKEYS.

GRADE NO. 10.

Spirits, 10 gallons.
McBrayer Whiskey, 10 do.
Monarch do. 10 do.
Mallingly do. 10 do.
Coloring, 2 ounces.

This will cost $1.65 per gallon.

GRADE NO. 11.

McBrayer Whiskey, 20 gallons.
Mallingly do. 20 do.
Monticello (Rye), 5 do.
Prune Juice, \( \frac{1}{2} \) do.

This is considered the finest of all grades, as it contains no spirits, but an excellent blend of genuine whiskeys. It will cost $1.90 per gallon.

The first five of the foregoing grades are simply spirits, and will remain so; it is therefore unnecessary to attempt to improve
them by age; but all the other grades should, after mixing, be tiered away in barrels on the highest floor, and allowed to remain three months before using.

---

**RYE WHISKEYS.**

The common, cheap grades of Rye Whiskey, are made of spirits, with coloring, and the addition of Rye Oil (see page 19), and branded "Rye Whiskey." Their preparation is substantially the same as given under Grades Nos. 1, 2, and 3, and need not be repeated here.

The following grades have, all of them, less or more genuine whiskey in their composition:

**GRADE NO. 12.**

Spirits, 40 gallons.
Hainesville Whiskey, 5 do.
RYE WHISKEYS.

Tea Extract, \( \frac{1}{2} \) gallon.
Coloring, 4 ounces.
Beading Oil, 1 do.
This grade will cost $1.30 per gallon.

GRADE NO. 13.

Spirits, 35 gallons.
Hainesville Whiskey, 5 do.
Gibson do. 5 do.
Tea Extract, \( \frac{1}{2} \) do.
Coloring, 4 ounces.
This grade will cost $1.40 per gallon.

GRADE NO. 14.

Spirits, 30 gallons.
Hainesville Whiskey, 5 do.
Gibson do. 5 do.
Dougherty do. 5 do.
Tea Extract, \( \frac{1}{2} \) do.
Coloring, 3 ounces.
The increased proportion of genuine whiskeys will raise the cost of this grade to $1.50 per gallon.

**GRADE NO. 15**

Spirits, 25 gallons.
Guggenheimer Whiskey, 10 do.
Hainesville do. 10 do.
Tea Extract, \(\frac{1}{2}\) do.
Coloring, 2 ounces.

This makes a very good blend, and costs $1.65 per gallon.

**GRADE NO. 16.**

Spirits, 10 gallons.
Guggenheimer Whiskey, 10 do.
Hainesville do. 10 do.
Gibson do. 15 do.
Tea Extract, \(\frac{1}{2}\) do.
Coloring, 1 ounce.

This contains only a small portion of spirits and costs $1.80 per gallon.