

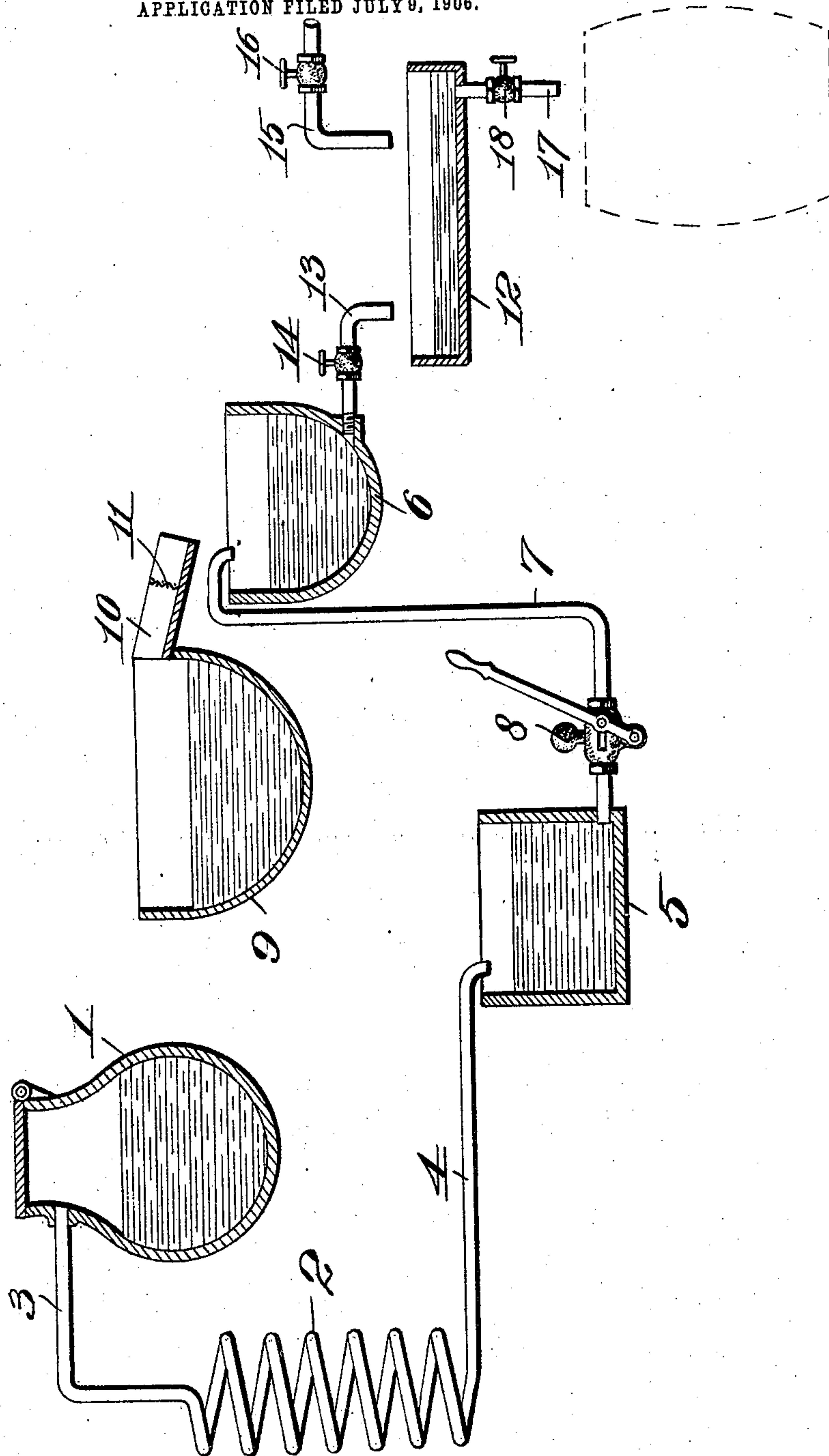
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H. C. DIPPEL.

PROCESS OF MAKING PITCH FOR COATING THE INTERIORS OF BEER
AND ALE PACKAGES.

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ATTEST—

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PROCESS OF MAKING PITCH FOR COATING THE INTERIORS OF BEER AND ALE PACKAGES.

No. 847,282.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed July 9, 1906. Serial No. 325,200.

To all whom it may concern:

Be it known that I, HENRY C. DIPPEL, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain
5 new and useful Improvements in Processes of Making Pitch for Coating the Interior of Beer and Ale Packages, of which the following is a specification containing a full, clear,
and exact description, reference being had
10 to the accompanying drawings, forming a part hereof.

My invention relates to a process of making pitch for coating the interior of beer and ale packages, the object of my invention
15 being to produce by a simple process a high-grade resinous product which is utilized in coating the interior of kegs, barrels, and similar wooden receptacles which are utilized for holding beer, ale, and similar products.

20 The drawing illustrates the apparatus utilized in the process of manufacturing the pitch, and referring by numerals to the accompanying drawing, 1 designates a distilling-kettle, the top of which is normally
25 closed, and leading from the upper end thereof to a coil 2 is a pipe 3.

Leading from the lower end of the coil 2 is a pipe 4, which discharges into a tank 5.

30 6 designates a mixing-kettle, and leading from the lower end of the tank 5 and discharging into said mixing-kettle is a pipe 7, in which is arranged a suitable hand-pump 8 of any ordinary form.

35 9 designates a melting-kettle, and leading therefrom and discharging into the mixing-kettle 6 is a suitable trough or spout 10, in which is located a screen-section 11.

40 Leading from the lower end of the mixing-kettle 6 and discharging into a filling-pan 12 is a pipe 13, in which is located a valve 14.

Discharging into the filling-pan 12 is a water-supply pipe 15, in which is located a valve 16.

45 Leading from the filling-pan 12 is a discharge-pipe 17, in which is located a valve 18.

50 In the manufacture of pitch by my improved process I take approximately four thousand five hundred pounds of commercial resin of the grade known as quality "G," which is approximately third-grade resin,

and this resin is placed in the distilling-kettle 1, and a medium fire is maintained beneath said kettle for a period of approximately twenty-four hours, or until the oil distilled from the melted resin within said kettle 1
55 after passing through the coil 2 discharges from the pipe 4 into the tank 5. I then take approximately twenty-five thousand pounds of selected quality G resin and place the same in the melting-kettle 9, and said resin
60 is boiled in said kettle for approximately two hours and at a temperature of approximately 325° Fahrenheit. The melted resin in said kettle 9 is now dipped from the kettle and poured into the trough or spout 10, and said
65 melted resin passes through the screen 11 and discharges into the mixing-kettle 6. The pump 8 is now operated in any suitable manner, and the distilled oil from the tank 5 is forced through the pipe 7 and discharges into
70 the mixing-kettle 6 and becomes thoroughly mixed with the melted resin which has been discharged into said mixing-kettle. The distilled oil and melted resin are delivered to this mixing-kettle 6 in approximately the
75 proportions of four and one-half pounds to four and four-fifths pounds of oil to two hundred and fifty pounds of the melted resin, and after this mixture has been effected the
80 valve 14 is opened and the mixture discharges into the filling-pan 12, where it is mixed with a sufficient amount of distilled water to impart a yellow or amber color to the compound, which is now ready for use
85 and which is discharged through the pipe 17 to suitable tanks or receptacles. The distilled water is delivered to the filling-pan 12 through the pipe 15.

The process herein described is simple, can be carried out with a minimum amount of
90 labor and expense, and produces a very high-grade pitch or resinous compound which is particularly adapted for coating the interior of kegs and barrels which are to contain beer, ale, or similar liquids.

I claim—

1. The herein-described process of making pitch for coating the interior of beer and ale packages, which consists in mixing oil distilled from melted resin with melted resin in
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approximately the proportions herein specified, and then adding water to the oil and melted resin after the same are mixed.

2. The herein-described process of making
5 pitch for coating the interior of beer and ale packages, which consists in mixing resin-oil, melted resin, and water in approximately the proportions herein specified.

In testimony whereof I have signed my name to this specification in presence of two 10 subscribing witnesses.

HENRY C. DIPPEL.

Witnesses:

M. P. SMITH,
E. E. LONGAN.