

UNITED STATES PATENT OFFICE.

PANAJOTA WILHELM HOFMANN, OF LUDWIGSHAFEN-ON-THE RHINE, GERMANY, ASSIGNOR TO THE CHEMISCHE FABRIK, VORMALS HOFMANN & SCHOETENSACK, OF SAME PLACE.

PROCESS OF MANUFACTURING SALOL.

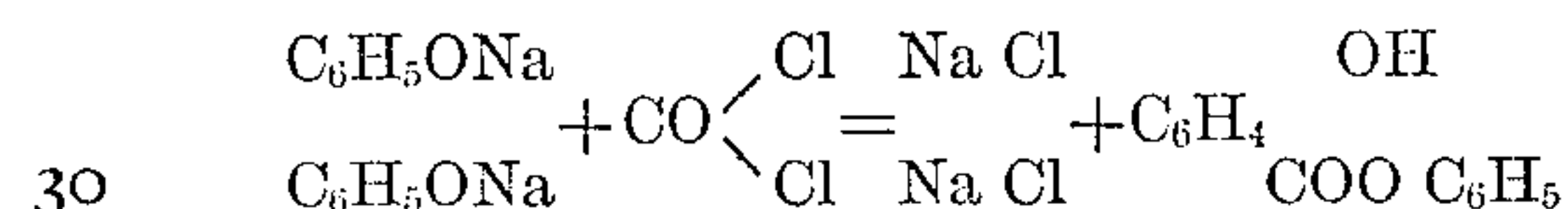
SPECIFICATION forming part of Letters Patent No. 391,248, dated October 16, 1888.

Application filed March 19, 1888. Serial No. 267,745. (No specimens.) Patented in Germany August 11, 1886, No. 39,184, and in France August 27, 1886, No. 178,194.

To all whom it may concern:

Be it known that I, PANAJOTA WILHELM HOFMANN, a subject of the King of Prussia, residing at Ludwigshafen-on-the-Rhine, in the German Empire, chemist, have invented a new Process of Manufacturing Salol, (for which I have obtained a patent of the Empire of Germany, No. 39,184, dated August 11, 1886, and a brevet d'invention of the Republic of France, No. 178,194, dated August 27, 1886,) of which the following is a specification.

For manufacturing the so-called "salol" (ether of salicylic acid with phenols) I proceed as follows: In a vessel provided with an agitator and capable of being heated up to 120° to 180° Celsius phenolate of sodium is heated until it has arrived at the proper state of dryness, (dust,) and thereafter phosgen gas is admitted while allowing the agitator to work at a reduced speed. While maintaining the temperature within the above-named limits, salicylic acid will soon be formed, whereas one part of the phenolate of sodium is maintained in the mixture unaltered. This part under the influence of the phosgen will combine with the salicylic acid into salol, as will be seen by the following equation:



From the foregoing it is evident that it is not absolutely necessary to begin with the phenolate of sodium. The manufacture of salol will also be the result if salicylate of sodium previously produced is mixed with phenolate of sodium and the mixture is thereafter exposed under the conditions above named to the influence of phosgen gas.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. As an improvement in the process of manufacturing salol, the heating of phenolate of sodium in an atmosphere of phosgen gas, substantially as herein described.

2. As an improvement in the process of manufacturing salol, the heating of a mixture of phenolate of sodium with salicylate of sodium in an atmosphere of phosgen gas, substantially as herein described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

PANAJOTA WILHELM HOFMANN.

Witnesses:

ANDRAUS DRAUSMANN,
H. E. HAMMOND.