

UNITED STATES PATENT OFFICE.

CHARLES L. BORGMEYER, OF RAHWAY, NEW JERSEY.

PYROXYLINE COMPOUND.

SPECIFICATION forming part of Letters Patent No. 502,547, dated August 1, 1893.

Application filed May 25, 1893. Serial No. 475,464. (No specimens.)

To all whom it may concern:

Be it known that I, CHARLES L. BORGMEYER, a citizen of the United States, residing in the city of Rahway, county of Union, and State of New Jersey, have invented certain new and useful Improvements in Pyroxyline Compounds; and I do hereby declare that the following is a clear, full, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to extend the list of active solvents and combinations of active solvents of soluble pyroxyline by investigation among the classes of essential oils. I have found that the following are active solvents of pyroxyline:—oil of cedar-leaf, oil of bitter almonds (natural), oil of rue, oil of pimento; and I have found these oils related as solvents of pyroxyline by the common property that their individual solvent action upon pyroxyline is compatible with and unretarded by the addition to either of them, of fusel oil or commercial amyl alcohol.

I have found also that in connection with grain-alcohol (commercial ethyl-alcohol) all these oils are active solvents of soluble pyroxyline. These oils are miscible each with the other and all together; and such mixtures are active solvents of pyroxyline. In view of these common properties these oils are the practical equivalents of each other, but that which I prefer to use as the cheapest is the oil of cedar-leaf.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A pyroxyline solution or compound which consists of pyroxyline dissolved in the oil of cedar-leaf.

2. A pyroxyline solution or compound which consists of pyroxyline dissolved in an amyl-alcoholic solution of the oil of cedar-leaf.

CHARLES L. BORGMEYER.

Witnesses:

M. A. HILLOCK,
E. M. SHIELDS.