

UNITED STATES PATENT OFFICE

PETER SWEENEY, OF NEW YORK, N. Y., ASSIGNOR TO BENJAMIN COLLINS,
OF SAME PLACE.

IMPROVEMENT IN LUBRICATING COMPOUNDS.

Specification forming part of Letters Patent No. **191,490**, dated May 29, 1877; application filed
November 25, 1876.

To all whom it may concern:

Be it known that I, PETER SWEENEY, of the city, county, and State of New York, have invented a new and Improved Lubricating Compound, which invention is fully set forth in the following specification.

This invention relates to a lubricating compound which is made of graphite and collodion.

In carrying out my invention I take graphite, eight pounds; pyroxyline, one pound. The pyroxyline is dissolved in about one gallon of ether and alcohol, or any other equivalent solvent, and the solution thus obtained I place, together with the graphite, into a vessel, which is closed air-tight, and which contains an agitator of any suitable construction, for the purpose of stirring the above-named ingredients together until a homogeneous mass is produced. During this operation it is essential that the atmospheric air shall be excluded. After the ingredients have been stirred together for a sufficient length of time, which must be determined by experience, I remove the mass from the mixing-vessel, and subject the same to pressure between pads of felt, sponge, or other absorbent material, in suitable press-boxes, from which the atmospheric air is excluded. By this pressing op-

eration, which is continued for three or four hours, the surplus moisture contained in the compound is absorbed by the press-pads, and, after having been removed from the press-boxes, the compound is left to harden, which requires a term of several weeks.

If the compound is to be used as a lining for journal-boxes, or for other definite purposes, it may be pressed at once into the required shape; but if it is to be employed as a filling material for cells or recesses in the bearing-surfaces of journal-boxes or of pulleys, it may be pressed into cakes of suitable thickness, which are afterward cut up in pieces of the required shape.

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

A lubricating compound made of graphite and collodion mixed together, substantially in the manner and about in the proportion herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 22d day of November, 1876.

PETER SWEENEY. [L. S.]

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.