F. O. CASE
MANAGER OF MIDWEST DISTRICT

ANACONDA
from mine to consumer

20 N. WACKER DRIVE
CHICAGO, ILLINOIS

November 3, 1937.

Mr. Frederick Laist,
Vice President,
International Smelting and Refining Company,
25 Broadway,
New York, N. Y.

Dear Mr. Laist:

I have your letter to Mr. Case of November 1st with reference to the proposed patent application covering a method of producing white lead.

In the absence of Mr. Case I am referring the file to Mr. Johnson for his consideration and comments. The file, of course, will be brought to Mr. Case's attention at the first opportunity.

Very truly yours,

A. J. Dinger

Secretary to -
Mr. F. O. Case

AJDinger

INTERNATIONAL SMELTING & REFINING COMPANY

26 BROADWAY

NEW YORK

FREDERICK LAIST
VICE-PRESIDENT

November 1, 1957

Mr. F. O. Case, Manager of Midwest District,
International Smelting & Refining Company,
20 North Wacker Drive,
Chicago, Illinois.

Dear Sir:

I am sending you herewith copy of letter from Mr. McCarthy together with enclosures relative to the proposed patent application covering a method of producing white lead which is self-explanatory.

If there are no material changes to be made in this application, will you kindly have Messrs. Johnson, Bowman and Knox execute the documents and return same to me in order that I may forward same to Mr. McCarthy for filing and recording.

Yours very truly,

G
Enc.
(Orig. letter sent to Mr. Case)

PNYC00008543

N11460.01

PENNIE, DAVIS, MARVIN AND EDMONDS

COPY

October 30, 1937.

D4947

Mr. Frederick Laist, Vice President
International Smelting & Refining Co.,
25 Broadway, Room 1720,
New York, New York.

Dear Mr. Laist:

I am enclosing herewith the original or ribbon copy of a proposed patent application covering a method of producing white lead which was prepared from data forwarded to you by Mr. Case with his letter of July 26th and which you forwarded to me with your letter of July 28th and in view, also, of discussions of the subject matter with Messrs. Johnson, Bowman, Knox and Stockdale on my visit to East Chicago last month. The necessary formal application papers and an assignment conveying title to the invention covered by the application to International Smelting and Refining Company also are enclosed.

This proposed application represents an effort to cover subject matter of the same general nature as that covered by the United States patent to Johnson, Bowman and Knox No. 1,845,713 and which might have been covered to some extent by a similar application filed when the application for that patent was pending if economic conditions had not been such as to discourage or prohibit the filing of additional applications.

N11460.02

COPY

Preparatory to drafting this proposed application, all of the articles describing the white lead process and all other papers enclosed with your aforementioned letter were considered carefully, and the application is based chiefly on the subject matter of the aforementioned patent No. 1,845,713 and the subject matter of a memorandum by Mr. Knox, dated August 25, 1931 and relating to the prosecution of the application on which the patent was granted. A large proportion of the language employed was taken from the various published pamphlets prepared by the members of the staff at East Chicago.

Many of the claims appearing in the draft may not be allowable and, if allowed, may not be valid. Both the non-patentability and probable invalidity are sufficiently doubtful, however, to warrant their presentation, and, if they are allowed, the resulting patent should constitute a valuable addition to the patent situation covering the white lead process from a commercial or trading standpoint at least.

I would suggest that the inventors consider the proposed application carefully and let me have the benefit of any suggestions for its improvement they may wish to offer.

It seemed advisable to complete the preparation of this application before completing the preparation of the apparatus applications for which data were sent also with your aforementioned letter. The apparatus applications will be completed early next week.

COPY

If this proposed application is satisfactory or if no material alterations are necessary, will you please have Messrs. Johnson, Bowman and Knox execute the formal application papers and assignment and return the same to this office for filing and recording?

Very truly yours,

Donald F. McCarthy

Enclosures.

PNYC00008546

Pat
EC-2

INTERNATIONAL SMELTING & REFINING COMPANY

25 BROADWAY

NEW YORK

FREDERICK LAIST
VICE-PRESIDENT

July 28, 1937

Mr. Donal F. McCarthy,
Pennie, Davis, Marvin & Edmonds,
165 Broadway,
New York

Dear Mr. McCarthy:

I am sending you herewith copy of letter received from Mr. Case, dated July 26th, together with enclosures pertaining to file on the subject of protecting the white lead operations and also to further protect our position with Sherwin-Williams in connection with the possible production of Lead Chromate electrolytically, which is self-explanatory.

Will you kindly give this matter your careful consideration and prepare patent application in accordance with the information submitted.

Thanking you, I remain

Yours very truly,

G
Enc.

N11460.03

INTERNATIONAL SMELTING AND REFINING COMPANY

ANACONDA
from mine to consumer

F. O. CASE
MANAGER OF MIDWEST DISTRICT

20 N. WACKER DRIVE
CHICAGO, ILLINOIS

July 26, 1937

Mr. Frederick Laist,
Vice-President,
International Smelting and Refining Company,
25 Broadway,
New York City.

Dear Mr. Laist:

The last time I was in New York, we discussed the subject of protecting the white lead operations and also further protecting our position with Sherwin-Williams, in connection with the possible production of Lead Chromate electrolytically. I also discussed this matter, after seeing you, with Mr. Jim Laist, and received some suggestions from him. He suggested that we send in the information in a complete form, including both the process patent material and the possible apparatus or equipment material that may also be patentable. This, we believe, has been done in the enclosed file which Mr. Johnson has forwarded. We will appreciate your referring this to Mr. McCarthy for his consideration.

By way of suggestion, I might say that the process material is probably in a form that Mr. McCarthy can obtain what he needs in order to make an application. I presume he will want to separate this and make an application for a process patent and another for equipment patent.

In connection with the equipment patent, I would like to point out that Mr. Knox believes that the basic feature of the cathode diaphragm and frame construction described in the attached information is new and that it differs from the one described by Mr. Bowman in his paper given before the American Institute of Mining and Metallurgy at Salt Lake City in 1925. In this connection, Mr. Knox comments as follows:

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N11460.04

"This improved design eliminates all contact between the cathode sheet below the solution level and the diaphragm and frame parts, while the cathode sheet of the cathode diaphragm and frame construction described in Mr. Bowman's paper is in direct contact with side tubes of the frame. This is regarded as an important feature since it has been found that lead chromate pigments and litharge can not be produced successfully in an electrolytic cell using the present standard cathode frame, but that no difficulty is experienced when the cathode frame described in this application is used."

Undoubtedly the patent attornies will care to check up their own claims, but Mr. Knox's suggestions in his two claims may be in order. These are as follows:

"A cathode diaphragm frame construction which accomplishes the following objectives: placing electrodes close together; elimination of electrical contact between diaphragms, electrodes, and cell walls; low electrical resistance; control of transfer by seepage of electrolytes through diaphragm; free circulation of electrolytes; elimination of gas; and collection of foreign matter.

A cathode diaphragm frame construction in which the desired results are obtained by the following features: a "U" shaped frame; spacing blocks; cathode area greater than area of anode; no exposed metal fasteners below solution level; frame parts constructed of non-porous rigid insulating material; rigid "U" shaped stay rods; selected diaphragm fabric; holes in cathode sheet at solution level; space below cathode sheets; and valve at bottom of diaphragm."

The complete file enclosed consists of the following:

1. Copy of original application as submitted to attorneys for the application for the patent entitled "Single Unit Type Electrolytic Cell and Cell Assembly", and three plates with six drawings on the same, covering said application.

2. Copy of United States patent No. 1,845,713, for a method of producing white lead, issued February 16th, 1932.

   (a) Copy of communication from the Examiner dated July 9th, 1931, relating to approval and rejection of claims under this application, relating to method of producing white lead.

July 26, 1937

(b) Copy of original application for above patent and claims.

(c) Memorandum of W. J. Knox, Jr., relating to official action and rejected original claims 1 to 3 and 6 to 10 inclusive, dated August 25th, 1931.

(d) The following publications dealing with production of electrolytic white lead:

(1) "Electrolytic White Lead", reprinted from "Paint, Oil and Chemical Review", Chicago, August 25th, 1927.

(2) "Electrolytic White Lead", by W. J. Knox, Jr., reprinted from "Paint and Varnish Production Manager", November, 1929.

(3) "White Lead", by William J. Knox, Jr., reprinted from "Drugs, Oils and Paints", February, 1935.

(4)"The Sperry Electrolytic White Lead Process", by W. J. Knox, Jr., reprinted from "Chemical Industries", August, 1935.

(5) "Anaconda Electrolytic White Lead", by R. G. Bowman, and W. J. Knox, Jr., Published by Anaconda Lead Products Company.

3. Copy of application for a patent entitled "Cathode Diaphragms and Frame Construction", and two plates with six drawings on the same, covering said application.

(a) Reprint of article by R. G. Bowman, entitled "Anaconda Electrolytic White Lead", which appeared in the September, 1925, issue of "Mining and Metallurgy". Attention is particularly called, in this reprint, to pages eleven, twelve, thirteen, fourteen and fifteen."

July 26, 1937

With kindest personal regards, I am

Very truly yours,

F.O.Case

F.O.Case:vlc
enclosures

2 copies