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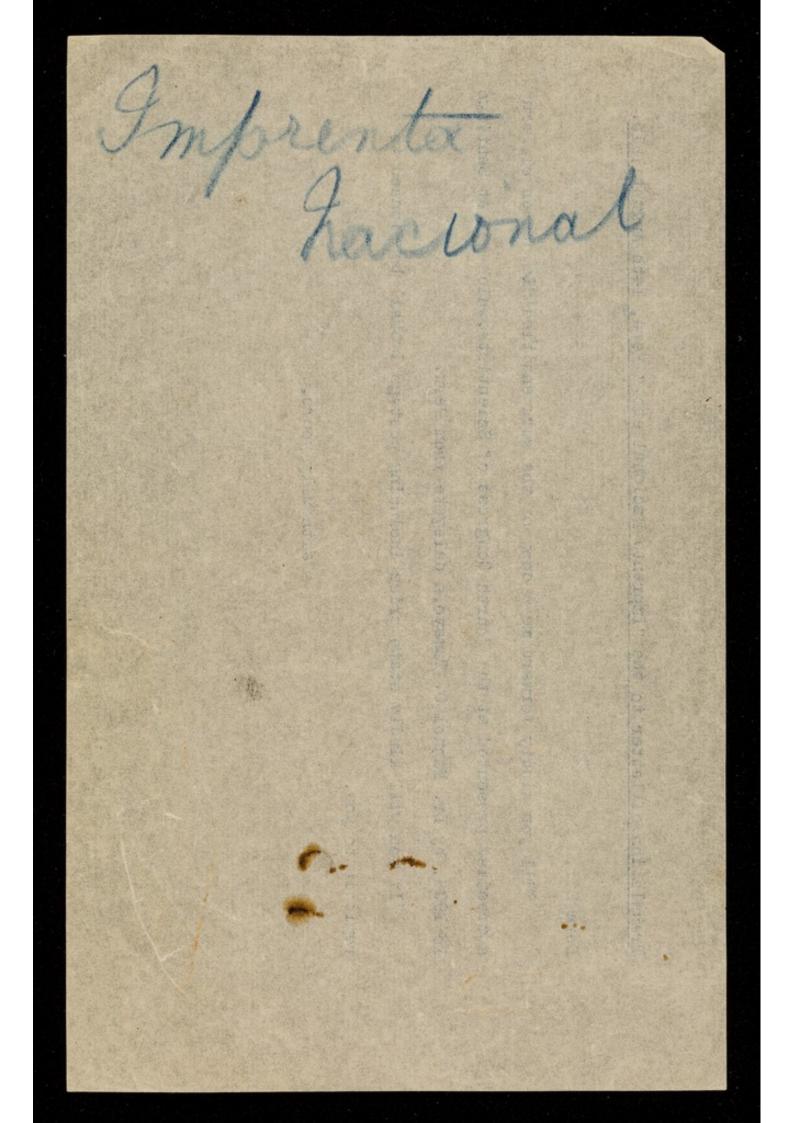
Translation of letter to the "Imprenta Nacional etc." Peru, 14th August 1913.

Dera Sir,

Will you kindly forward me a copy of the work entitled "La uta en el Peru" a treatise presented at the Fourth Congress of Scientists, which met at Santiago in 1908, by Dr. Manuel O. Tamayo, a delegate from Peru.

If you will kindly state price including postage I shall be pleased to remit it to you.

Faithfully yours,



Mr C. Thompson

Mr Wellcome asks that you will file the accompanying prospectus of Theobald's "Insects and other pests". Mr Wellcome may want to refer to it some time in the future.

August 15th. 1908

L.

Thopse you will be able to get me a few subscribers. Fr. D.

# THE

# **INSECT AND OTHER PESTS**

# ORCHARD, BUSH AND Hothouse fruits.

 $\mathbf{BY}$ 

FRED. V. THEOBALD, M.A.

Imperial Ottoman Order of the Osmanieh (4th Class); Vice-Principal of the S.E. Agricultural College; Fellow of the Society of Tropical Medicine; Honorary Member of the Societé de Pathologie Exotique Francaise; Honorary Member of the Scientific Committee of the Royal Horticultural Society; Honorary Consulting Zoologist of the National Fruit Growers' Federation; Honorary Member of the Association of Economic Entomologists of America, Member of the Permanent International Commission on Agricultural Education, etc.

450 pages, and about 200 Photographic Illustrations.

Price 21s, net (to subscribers).

THIS work, written after twenty-five years in studying, with the kind help of very many of our chief orchardists, the enemies of our fruit, is intended to form a practical text book for fruit-growers, gardeners and amateurs.

All the insect and mite pests which have been recorded, or reported to or observed by the writer, are included in the work.

The illustrations will mainly be from photographs either taken direct from life or from preserved specimens. The various pests are taken under the heading of each fruit, and when necessary cross-references are made. Each insect is dealt with under the following sections: general account, life-history, methods of prevention and remedies, and finally the bibliography. The illustrations, as far as possible, will include the insect in its egg, larval, pupal and adult stages, and specimens of damage caused by it to wood, leafage, blossom, buds, fruit, or roots.

There will also be an account of insects liable to be introduced into this country from abroad.

The various washes, powders and fumigants used as insecticides and acaricides will be summarised in an appendix, and a copious index will be given.

The work is completed, and will be printed as soon as the subscription list is full.

# SUBSCRIPTION FORM.

190

To F. V. Theobald, Wye Court, Wye.

Please send me cop of "The Insect and other Pests of Orchard, Bush and Hothouse Fruits," for which I enclose

Name		
Address	 -	

#### SPECIMEN PAGE.

### Insect Pests.

introduced into New England some seventeen years ago on rose bushes from France. Since then it has rapidly spread, and has not only caused damage over a large tract of country, but appears to be still on the increase. Besides being found in Britain, this insect is common on the Continent, and extends eastwards as far as the Himalayas and as far south as Algeria.

#### THE MARCH MOTH.

#### (Anisopteryx aescularia. Schiff.)

This is another member of the wingless-female group. Although not so generally reported as a nuisance, it now and again does

considerable harm to the plum, and has also been sent by correspondents from Surrey on apple and pear. Its normal food plants are the whitethorn and blackthorn. It also infests the oak, lime, elm, maple and walnut, and a few may be taken on the Spanish Chestnut. It occurs over a wide area from Scotland downwards, and has been reported as a fruit pest from Herefordshire, Yorkshire, Sussex, Kent and Middle-

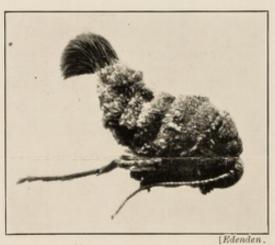


FIG. 50.—FEMALE MARCH MOTH. (Anisopteryx aescularis. Schiff.) Greatly enlarged to show side view of tail-tuft.

sex. I have also seen it in abundance on plums in Cambridgeshire and in Yorkshire. The popular name is derived from the date of its appearance. Specimens may, however, be taken as early as mid-February and as late as mid-April, a few stragglers going on until the end of the month.

#### LIFE-HISTORY.

The male moth flies at dusk and may be found in gardens, orchards, woods and along hedgerows. The colour of the fore wings is greyish-brown, with two dark and pale wavy lines running across as seen in the photograph (Fig. 49), and there is a small dark brown spot near the upper border of each wing. The wing expanse varies from an inch and a quarter to an inch and a half; the hind wings

5

#### SPECIMEN PAGE.

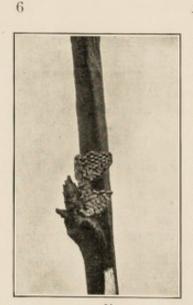


FIG. 51. EGG-MASS OF THE MARCH MOTH. (Twice natural size,)

The caterpillar (Fig. 52) is bright green or green tinged with yellow (the latter I have particularly noticed when feeding on hawthorn) and somewhat paler between the segments; on the back is a narrow dark green line, edged with pale creamy white or grey; on each side are three pale lines, either white or grey; the head is uniformly green. The general form at once separates it from the Winter Moth larva, it being very slender and uniformly cylindrical and about one inch long when mature. Most mature by the end of June or early in July, then fall to the ground, where they form cocoons covered with earth very similar to the Winter Moth. The silk of the cocoon is of a dull vellowish hue and very closely woven together. Porritt (2) mentions that caterpillars which hatched from eggs on the 3rd of April went to earth the middle of

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#### Insect Pests.

are pale grey, with a darker line more or less continued from the outer line on each fore wing.

The female (Fig. 50) is grevish to grevish brown and quite wingless, and has a very pronounced fan-like tail of hairs. She crawls up the tree trunk just as the two preceding do. The eggs (Fig. 51) are laid in a partial band, varying in size from one quarter to nearly half an inch across; they are deposited in more or less parallel rows and are embedded in down from the fan-like extension of the tail; the eggs are bright and shiny and vary in number in each ring. Ormerod (1) records as many as five hundred in a ring; this appears to be exceptional, some fifty to two hundred being a wide limit.

The eggs hatch in April. The small larvæ soon spread about,



FIG. 52. CATERPILLAR OF THE MARCH MOTH.

Newman St.

8th February 1911.

Dear Sir,

We are in receipt of your catalogue No. 56, and shall be glad if you will send us on approval No. 498, Theory and Practice of Chirurgical Pharmacy, 1761.

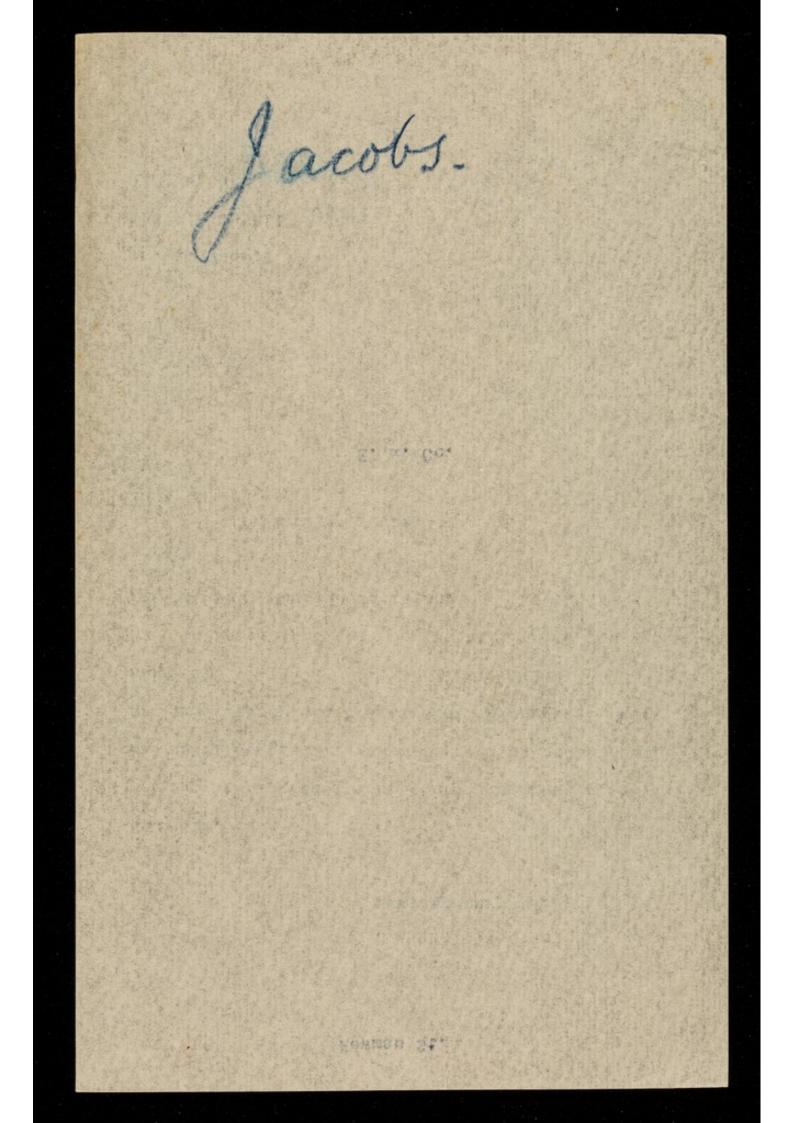
On receipt of the book we will write you again. and let you know our decision.

We are,

Faithfulyy yours,

E. &. Co.

Mr. J. Jacobs, The Bibliophile Press, 149 Edgware Road, W.



Translation of letter of 14th. Nov. from Louis Jacobs.

\* .

Enclosed I send you details of the books bought at the sale of the late Mr. Paul Cogels, amounting to Frs.1493. and 10 centimes. Error and omission naturally excepted, and counting that M. de Tavenier has not taken any details. You can send me the abovementioned amount either by cheque or **credit me with it**.

Louis facels Directeur de Ventes

Mobilieres et Artistiques

Expertises

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54

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NOTAIRES \_ M M EMILE DECKERS E. LEFEBVRE E. DE WINTER E. VAN DEN AVOORT J. C. VERHELST L. LAUWERS A. P. VAN DER SCHOOT E. KOELMAN FL WELLENS F. CAUWENBERGHS J. A. VAN REETH A. L. COLS F. VAN DE VELDE L. M. FRANS J. TEURLINGS E. VAN DE WALLE C. CALLENS J C. CEULEMANS FL. BOEYNAEMS F J. LOMBAERTS H. HERMANS P. VEKEMANS HOBOKEN LEON JANSSENS BERCHEM L. MEEUS WILRYCK P. VERMOELEN HOBOKEN A WAGEMANS F. VAN CUTSEM T. DE MARBAIX

SCHOOTEN

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Anvers 14 Novembre 1912 Longue rue de l'Équerre, 20.

Consieir Edworth.

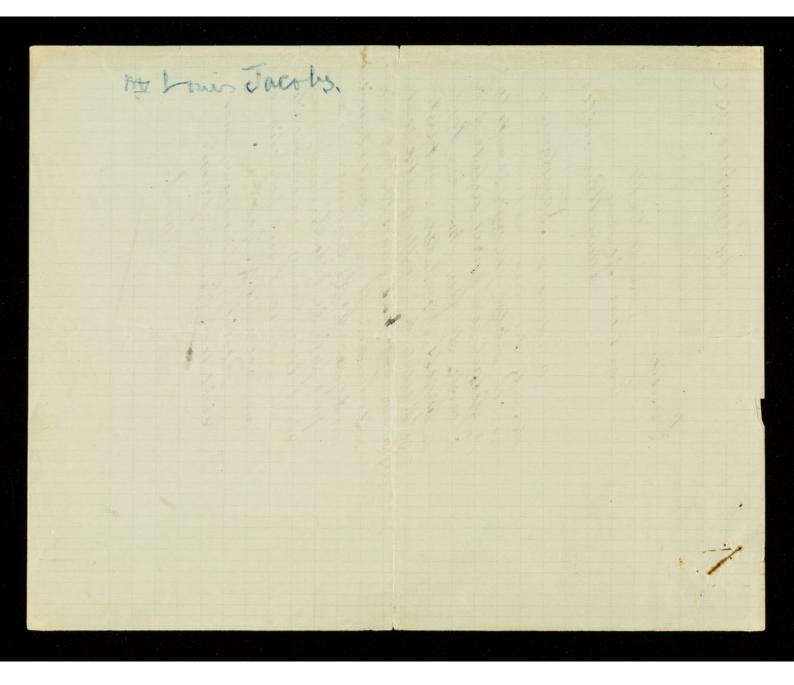
ondon

Vitelie je vous remets te détail des lures acheté à la vente de feu monsair Poul logels, blont les montaut Nélive à mille quatre cent (1493.10) romante trais francs 1% autom Buin entende Land erreurs et omission etque de de Covenier n'a pas pris de détail.

dit montant soit par chique

ou accreditif deever, monsum, mes civilités bien enpresses,

Marada



#### Translation.

19th. Nov. 1912.

Dear Sir,

We are much obliged for the detailed list which you sent us with yours of 14th. inst.

We regret to see that there is a mistake in the letter in question, as you debit us with the amount of the books bought at the Cogels sale, memeras we we have the receipt for Frs. 1505, signed by M. Jacobs for the amount that our representative duly paid you in cash on the 11th. Oct. 1912

Kindly confirm to us that this is a mistake and credit us with the sum mentioned.

Awaiting your reply,

Yours faithfully,

Monsieur Louis Jacobs, Anvers.

le 19 Novembre, 1912.

Monsieur,

Nous vous remercions beaucoup pour la liste detaillée que vous nous avez envoyée avec votre estimée du 14 courant.

Nous regrettons de remarquer qu'il y a une erreur dans cette même lettrem c'est-à-dire vous nous considerez comme debateura du montant des livres achetés dans la vente Cogele, cependant nous possedons la quittance de Frs.1505, signée par #. Jacobs pour le montant que notre representant vous a düment versé en comptants le 11 Octobre, 1912.

Ayez la bonté de nous vouloir bien confirmer cette erreur et de nous crediter de la sourc en question.

Au plaisir de vous lire bientôt nous vous prione, Monsieur, d'agnéer nos salutations les plus distinguées.

2. 4 60

Monsieur Louis Jacobs, Anvers.

5, Senghenydd Road, Cardiff. 12 April, 1915.

DearSir

Will you Kindly Look wen the uclosed catalogue slips of Medical booth and pauphlets, which are all pried and return them to me indicating Whatever iteus you may wish to have sent to you on approval. Nos. 1 to 26. - All these theses, with Two exceptions are issued from alvaham Elyeviers Press at Leyden - they are all fine large copies in-4, publ. 1690-94. The price for the whole collection is two quineas or singly 21- each. Many of them are now practically unoblainable and it would take a long time to form such a collection. Jours faithfully, W. P. Lindsay Jones .

b.J. J. Thompson, tag

Harrow.

22 April 1915.

Dear Sir,

I regret delay in replying to your letter of the 12th inst. in which you kindly send me catalogue slips of medical books and pamphlets. I find I already have two or three of them, but if you will kindly send me the remainder (around which I have put an elastic band) for inspection, I will give the matter early consideration, and will make you the best offer I can for the same.

> I am, Faithfully yours,

> > C.J.S.T.

W.P. Lindsay Jones Esq., 5. Senghenydd Road, Cardiff.

5, Senghenydd Road, Caraiff. 23, April 1915.

Dear Sir,

Thave your better of 22 na. mist. and have sent you today in separate

Narcels: (1). Medical Theses (26). 42/-(2). Weinrichius, 1595. 6/-With respect to the forma Thave not referred

To the Brit. Mus. Cat: on the Cal: of the Surg. Den. Riby. at Washington to see how many of these theses they may have.

Jours faithfully, M. P. Lindsay Jones .

b.J. S. Thompson Esq.

Harrow

26 April 1915.

Dear Sir.

I have just received the second book, "Weinrichius" that you sent, and the paper is so badly stained that I regret I cannot give much for it. I shall be willing to give you one Pound (21.) for the Medical Treatises and for the former book. If that is acceptable to you, kindly let me know, and I will send you a cheque at once, or if not, I will return the book to you on hearing from you.

Faithfully yours.

C.J.S.T.

Mr. W.P. Lindsay Jones, 5. Senghenydd Road, Cardiff.

5, Senghenydd Road, Cardiff: 27 april 1915. Dear Sii Shave ym lettu aud note what Men say as regards the Wearichins and the Medical Theses . Inda the circumstances Jagroe and if you will send me a P.O. 20/ the matter will be in order Junis faith fully, M. P. Lindson Jones.

POSCARDIF 16.45 AM AP12715 C.J. S. Thompson, Esq. Grey Friars, Harrow-on-the Hill. Middlesex.

Harrow.

28 April 1915.

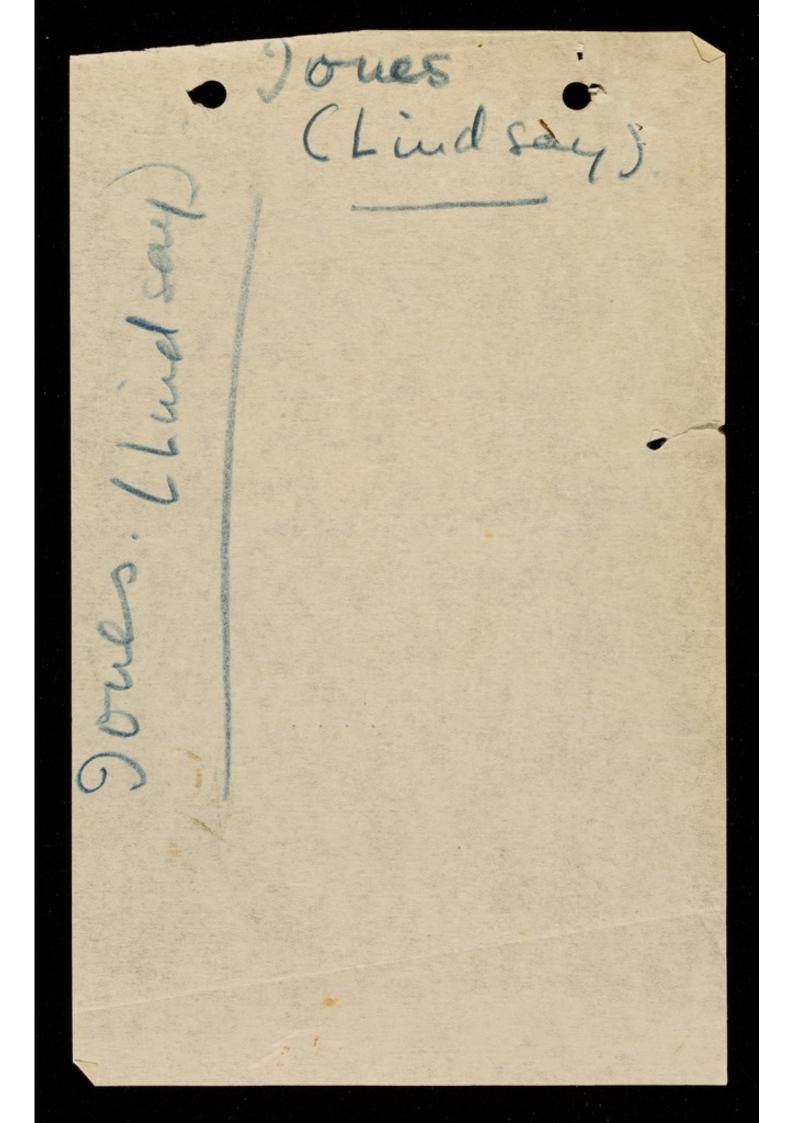
Doar Sir.

In reply to your postcard, I enclose herewith a cheque for twenty shillings for the Medical Treatises and the old book. Kindly sign the enclosed receipt, and return it to me at your early convenience, and oblige,

Faithfully yours.

C.J.S.T.

W.P. Lindsay Jones Esq., 5. Senghenydd Road, Gardiff.



- 5; Senghenydd Road, Cardiff. 11. Nor. 1912

Dear Sir. Will you burdly return me the three descriptive notes of books unclosed and let me know if in the case of you not possessing them, you care to have the books sul to yar on proveded approval. The prices are : 1. Drusius. 42/. 29/11 2. Mollorus. 50/.

3. Jardin 30%.

Mans faith fully.

M. Lindsay Jones.

1112

b.J.J. Thompson, lig.

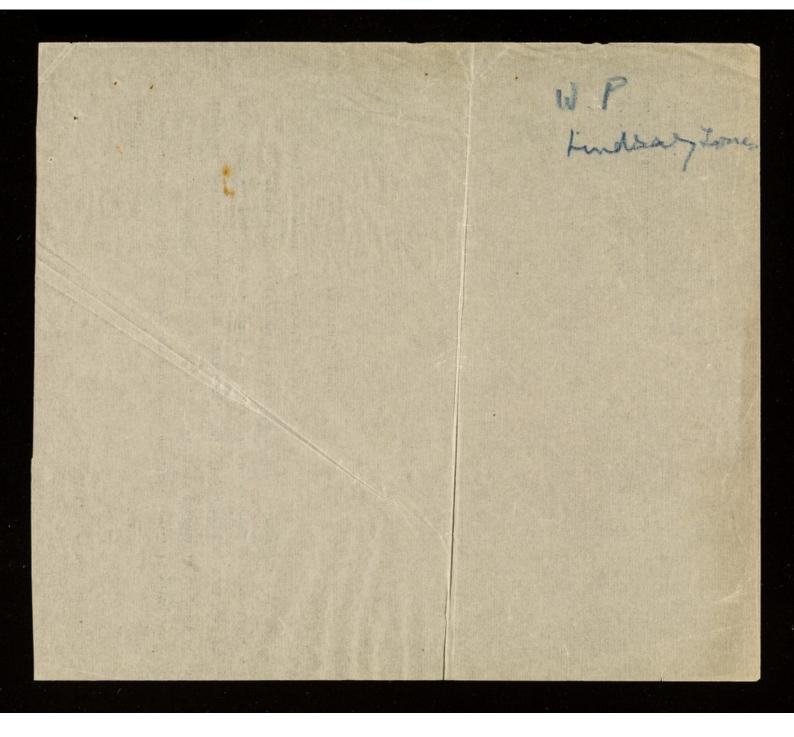
21st. November, 1912.

## Dear Sir,

I desire to thank you for your letter of the 11th. inst., in which you offer me three ancient books on Wedicine. As it is impossible to judge of th these without first seeing their condition, etc., if you care to send them to me on approval please do so, and I will give the matter early consideration. When sending please forward the books to my name addressed : Hasley News, Mignore Street, London, W.

Faithfully yours

S.P. Lindsay Jones, Maq.,
Senghenyad Road,
Cardiff.



5, Seughenrydd Road. Cardiff. 22. Nov. 1912.

Dear Su. I have your letter of the 21 2: Mist: and the three books have been sent to you today to Tasley Meios in approval. Of cause it is understood anything I can offer you will le serri-un approval. Juns faithfully, W.P. Lindsay Junes .

C.J. J. Thankson, Cog. Barrow

Harrow

25th November 1912.

Dear Sir,

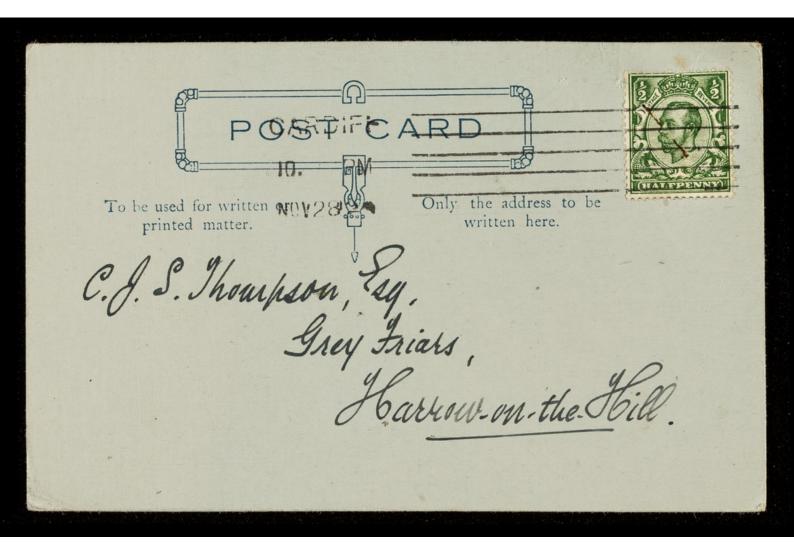
I desire to thank you for sending the books to which I have given careful consideration, but I am sorry that the prices you ask are very much more than I consider the value, and I am therefore returning the same to you per parcel post. If it is any guide for you I should not care to give more than 25/- for the three.

> I am, Faithfully yours,

> > Q.J.S.T.

W.P. Lindsay Jones, 5 Senghenydd Road, Cardiff.

5, Seughenydd hoad, bardiff. 28,0 28, Nov. 1912. Dear Sii, Thanks! - The books are duly to hand. May I honble you to retain my notes relating to them as I have not got copies . Juns faittefully, W.D. Lindsay Jones .



To be translated into German.

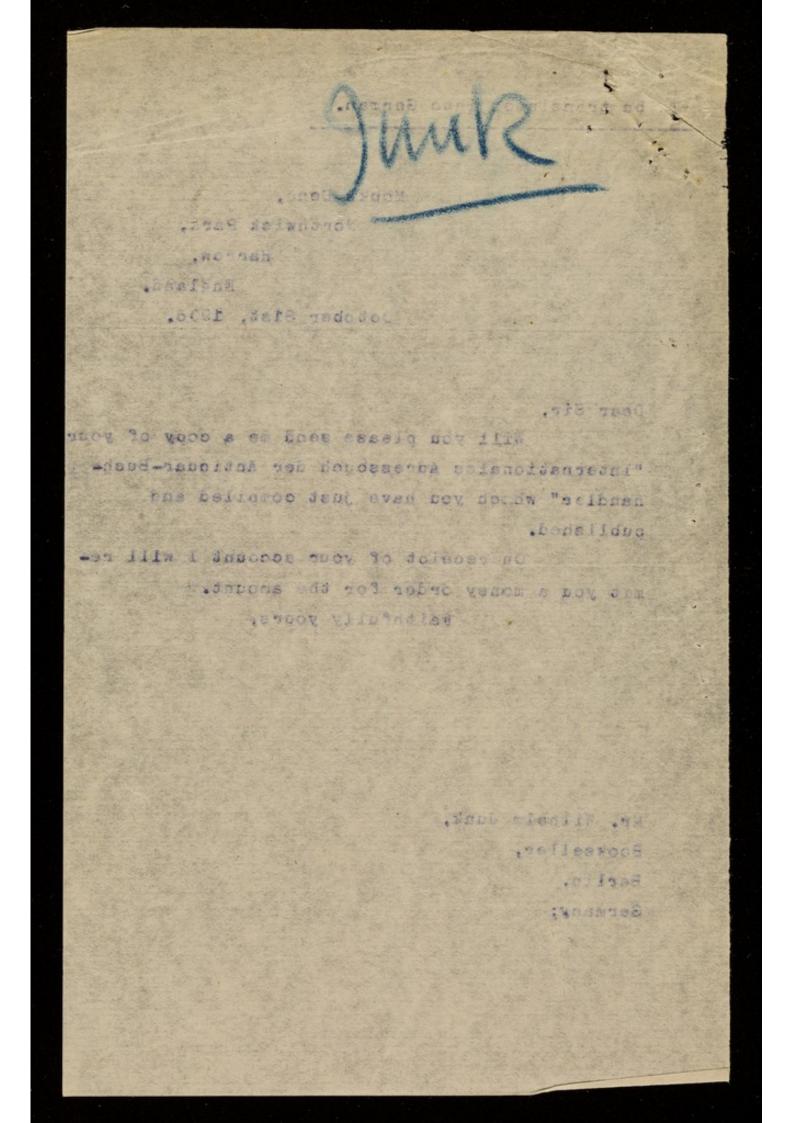
Monks Dene, Northwick Park, Harrow, England. October 81st, 1906.

Dear Sir,

Will you please send me a copy of your "Internationales Adressbuch der Antiquar-Buchhandler" which you have just compiled and published.

On receipt of your account I will remit you a money order for the amount. Faithfully yours,

Mr. Wilhelm Junk, Bookseller, Berlin, Germany;



England.

1 November, 1906.

Gachrter Herr.

\*

Senden Sie mir defl. ein Exemplar von ihnen bearbeiteten und soeben erschienen Aerke "Internationales-Adressbuch der Antiouar-Buchhandler." Nach emofand Ihrer bezudl. Rechnund werde ich ihnen sofort einen Check fur den Betrad derselben zukommen lasson.

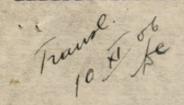
Hochachtandevoll

Buchhandese,

Horro Willett dans.

• To be translated into German.

· · · · · · · · · ·



November 10th, 1908.

Dear Sir,

Herewith I enclose postal order for four shillings and sixpence for the "Antiquar-Adressbuch".

Kindly acknowledge receipt of same by early post.

Faithfully yours,

Mr. William Junk, Bookseller, Berlin.

7 December, 1996.

Beilieusnu übertache ion impen-Postanweisung im Setrade von vier Shillings und sechs Pences als Gegenwart des mir kurzlich zugesandten "Antiquar Adressbuchs".

Geenruer Horr.

Herrn Wilhelt Jont.

Bachhandler,

Sprile.

bie um gafi. Empgangeanzaigo háfi. bittend, zeichne ich

Hochachtungsvoll