INTERNATIONAL COURT OF JUSTICE

CASE CONCERNING SOVEREIGNTY OVER PEDRA BRANCA / PULAU BATU PUTEH, MIDDLE ROCKS AND SOUTH LEDGE

(MALAYSIA / SINGAPORE)

MEMORIAL OF SINGAPORE

VOLUME 3

(Annexes 31 to 60)

25 MARCH 2004

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Annex 31

Letter from the Court of Directors of the East India Company to the Governor General of India in Council dated 5 Sep 1849

Marine Department

No. 3 of 1849

Our Governor General of India in Council.

Para: 1 Your letter No. 3 dated 3rd March last on the subject of the proposed Horsburgh Light House, informs us that the cost of that Building which originally was not expected to exceed 7000 Dollars, or R^{s.} 15,750 is now estimated at R^{s.} 29,417 exclusive of the cost of a lantern, which together with other expenses, will raise the total amount to R^{s.} 50,917 and this does not include the conveyance of the workmen and materials for which it is proposed that the Government shall be responsible. It is evident that even this increased estimate which is subject to several contingencies is very likely to be considerably exceeded in a work of such difficult construction.

2. The increased charge has been occasioned by the selection (made after communication with the Lords of the Admiralty) of the Island of Pedra Branca instead of Peak Rock, as the site of the Light House, the former being not only much more distant from Singapore and much less accessible, but being also so much more exposed to the influence of the waves during the North East Monsoon, as to render it absolutely necessary that the Structure should be "entirely faced with granite set in Cement", with a back work of

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The Report of the Gov^t Surveyor dated Singapore 8th March 1848 states it thus – "Ashlar Masonry set in Cement for the facing of the Building with a backing of Brick set in common Mortar inside".

*Note

*Masonry instead of being composed of brick and Chunam Materials which would have sufficed on Peak Rock which is situated on the Northern Shore of the Straits.

3. The subscriptions hitherto received for the Light House amount to \mathbb{R}^{s} 22,194 leaving a deficit of \mathbb{R}^{s} 28,723, which you propose should be advanced by Government, and to ensure repayment of this loan, you further propose that the duty authorized by us to be levied on Vessels touching at Singapore or clearing out from Indian Ports to China or the Eastward of Singapore should be raised from one rupee to two dollars or 4 ½ rupees per 100 tons.

4. As the smaller rate would be quite inadequate to meet the expenses of a Light House on Pedra Branca and as there seems no more unobjectionable mode of providing for its construction and maintenance than the imposition of a suitable tonnage duty on Shipping, we authorize you to levy a duty as soon as a light is exhibited on that Station: but as we have no doubt that the expense will exceed the amount you have estimated we direct that a Tonnage duty of 2 ½ Dollars per 100 Tons be levied on the Shipping above described.

London The 5th September 1849. We are Your affectionate friends. A Galloway J Sheperd J Cotton W L Meville R Jenkins C Mills W H Sykes

J W Hogg W J Eastwick W H C Plowden J Masterman R D Mangles J C Whiteman F Warden Marine Dept 5th Sept 1849 D/ 19 Oct / 49

The

Company's Letter to the Governor General of India in Council No. 3 of 1849.

Via Marseilles & Bombay

Sd/..... 20/10

Reply to Letter No. 3 d/ 3 March /49 respecting the expense of building the proposed Horsburgh Light House on Pedra Branca, and authorize levy of tonnage duty on Vessels touching at Singapore or clearing out from Indian Ports to China or the Eastward of Singapore of 2 ½ Dollars p. 100 tons.

Marine Defrartment

W. 3 of 104.9

Our Governor General of India Council "

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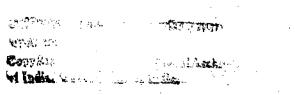
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Annex 32

Letter from Grey W. (Under Secretary to the Government of India) to Seton Karr W. (Under Secretary to the Government of Bengal) dated 27 Oct 1849

: 27 Oct 1849

No. 607

From

W. Grey Estr Under Secretary to the Govt of India

То

W. Seton Karr Esq^{re} Under Secretary to the Government of Bengal

Dated the 27th October 1849

Home Department

Sir,

To: Bengal d/ 24th April 1847 No 284 From: -Do- d/ 6th October 1848 No 1363 To: -Do- d/ 21st Octr 1848 " 920 From: -Dod/13th Dec^r 1848 " 949 From: -Do- d/ 5th April 1849 " 271 To: -Do- d/ 7th With reference to the correspondence noted in the margin*, I am directed by the President in Council to transmit the accompanying copy of a Despatch from the Hon'ble the Court of Directors, No 3, dated 5th September 1849, relative to the construction of a Light House on Pedra Branca, and to request that authority may be given to the Governor of Singapore for the immediate commencement of the building.

2. It will be observed that a duty of 2½ dollars per 100 tons is to be levied on the shipping as soon as the Light House is

completed. A Law will be necessary for the purpose and Colonel Butterworth should be directed to take an early opportunity of submitting the draft of an Act containing such provisions as may be deemed requisite.

Council Chamber The 27th Oct^r 1849. I have &ca /Sd/ W Grey Under Secretary to the Govt of India

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Annex 33

Letter from Seton Karr W. (Under Secretary to the Government of Bengal) to Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) dated 12 Nov 1849 Date

: 12 Nov 1849

<u>No. 784</u>

From

The Under Secretary to the Government of Bengal

То

Sir.

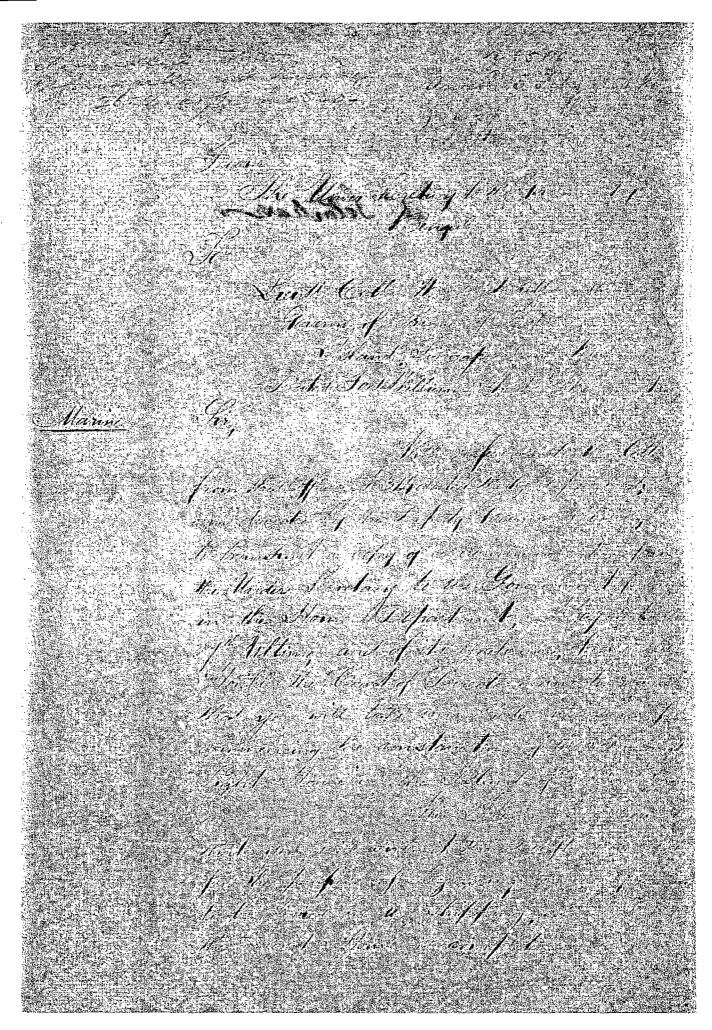
Lieut¹ Col¹ W.J. Butterworth Governor of Prince of Wales Island, Singapore and Malacca Dated Fort William, The 12th November 1849

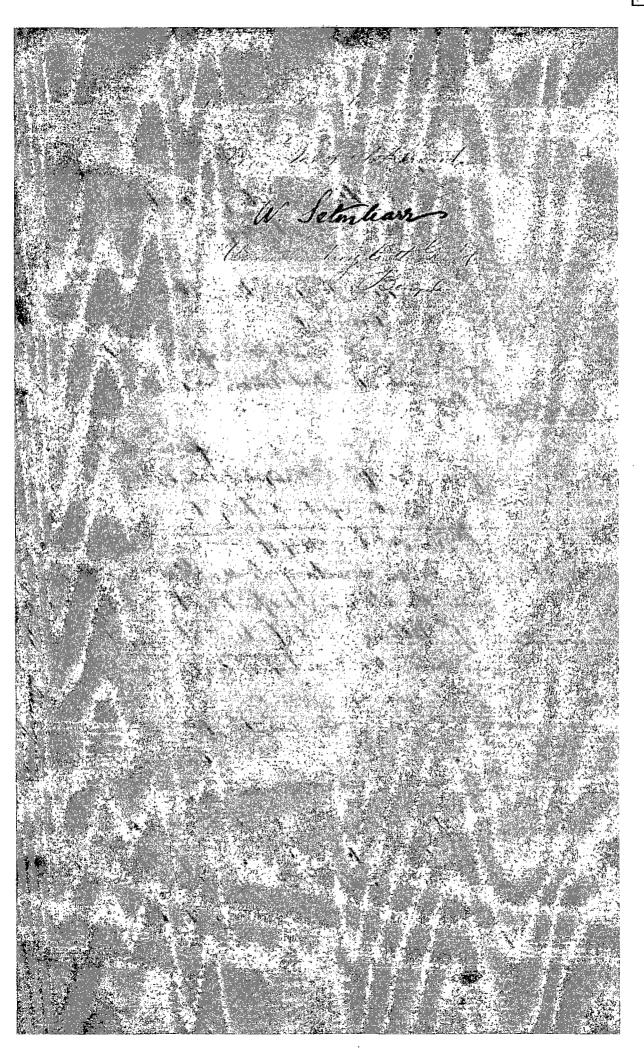
<u>Marine</u>

With reference to the letter from this Office No 314 dated the 19th April last, I am directed by the Deputy Governor of Bengal to transmit a copy of a communication from the Under Secretary to the Government of India in the Home Department, No. 607 dated the 27th Ultimo, and of its enclosure, from the Hon'ble the Court of Directors, and to request that you will take immediate measures for commencing the construction of the Horsburgh Light House on the Island of Pedra Branca.

2. His Honor also requests that you will submit the Draft of an Act for the purpose of legalizing the duty proposed to be levied on the shipping, as soon as the Light House is completed.

> I have the honor to be Your most obedt Servant Sd/ W. Seton Karr Under Secretary to the Govt of Bengal





Annex 34

Letter from Thomson J.T. (Government Surveyor at Singapore) to Church T. (Resident Councillor at Singapore) dated 20 Dec 1849 No 32

To the Honorable

T. Church Esquire Resident Councillor

Sir

I have the honor of acknowledging the receipt of your letter No. 1217 of 1849 with annexed copies of letters from his honor the Governor No. 510, from the Under Secretary to the Gov^t. of Bengal No. 784, and from W. Grey Esq^{re}, Under Secretary to the Gov^t. of India No. 607 containing a copy of a despatch from the Honorable the Court of Directors No. 3 of Sept 1849, relative to a Light house on Pedra Branca, and sanctioning its immediate construction, under the designation of the "Horsburgh Light house" according to plans, specifications and estimate forwarded with my letters No. 19 and 20 of 1848 and further doing me the honor of intrusting its erection to my care.

In reply to your letter No. 1217 I beg leave respectfully to state that the two months and ten days that now intervene between this and the first of March, on which the building will be commenced will be fully occupied in making the requisite preparations – my absence at Malacca would consequently postpone the commencement of the work for as many days and months as I might be at Malacca. Further nothing could be done to the Survey of Malacca until the Instruments indented for an account of that Survey had arrived from Bengal, which will probably not be before the 1st of February and a further period of 3 months would be required to teach the measurers, and after they had been taught, they could not be left to themselves without a surveyor to direct and check their operations. I am consequently of opinion that no benefit would result by my proceeding to Malacca for the purpose of commencing that Survey.

Date

The preliminary operations of the Light House that will be made during these 2 months and 10 days are as follows - 1st making model of Light house for guidance of Chinese workmen 2nd drawing up specifications, contract and agreements, 3rd In drawing plans of Cupola and Lamps &ca for transmission to Europe. 4th Constructing Derricks and stone lifters. 5th Fitting up Gun boats for the purposes for which they will be required, and having them thoroughly repaired, so that their deficiencies may not be the cause of stopping the works in the midst of operations. 6th erecting Carpenters and Blacksmiths shops near my dwelling for the purpose of having materials worked up under my own eye. 7th in making experiments in Cements so as to enable me to choose the most superior. 8th in making arrangements to procure Chinese stone cutters from China. 9th in preparing houses for self and workmen to be fixed on the rock – and many other minor details for all of which there is barely time left - between this and the 1st of March - but all of which must be carefully considered so that the progress of the works may not be detained for want of foresight in this period of the undertaking.

With Reference to the Honorable the Governor's letter No. 510 above mentioned, I beg leave to state that I have communicated with the Contractor, and it is so far settled, that he will undertake the masonry and brick work and most of the Carpentry, Ironwork and copper work which of course will be specified in detail in contract documents – for the sum of ten thousand five hundred Spanish Dollars. The name of the Contractor is Choa Ah Lam, and in a few days he promises to produce sufficient securities when the contract will be definitely settled.

I beg leave respectfully to make known to his honor the Governor that every caution and care will be used and no personal exertions spared to secure stability and permanence to a work in which my character and future good standing is so seriously involved. The gratifying assurance of his confidence I consider more than half the battle against the difficulties attending an unusual work of this kind, for with this in my fortunate possession, should these difficulties be encountered and such works are

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seldom free of them during their progress/ whether from accident or by the action of the elements/ I will be able to act with vigour and without the tardy vacillation which under less propitious auspices would be the constant attendant on every operation.

I shall have great pleasure in communicating personally with Major Faber - at all times, and shall be grateful for any suggestions that his long experience may offer and such as may be adopted will be as thankfully acknowledged on the successful completion of the work. I will also greatly desire personal communication with Capt. Man whose great experience in the manufacture of cements and the blasting of rocks puts him in possession of a fund of most valuable knowledge applicable in the progress of the structure. In many operations that can only be successfully performed by practical Seamen I will be under the greatest obligations to Captain Congalton for advice and assistance as far as he can consistently render them.

Regarding the towage of materials from Singapore to Pedra Branca which is an important part of the undertaking for which the Govt will be responsible, and upon which subject misapprehension might arise were the part to be performed not sufficiently detailed and which misapprehension might be the cause of great loss to the Contractor and detention of the works I will briefly recapitulate what is expected by the contractor of the Govt. 1st In sending materials from Singapore to Pedra Branca - the Contractor will deliver over his lighters to the steamer at the anchorage in Singapore roads and from whence they will be towed to Pedra Branca, and secured to a Buoy close to that rock, where again the contractor will take delivery of the lighters after they are unloaded the lighters will be attached to the buoy (sic) and from thence taken by the steamer to Singapore roads – or 2^d if to Point Romania, where sand and wood will be procured the steamer will tow the lighters to the anchorage there from whence the contractor will carry them to the shore and after they are loaded, deliver them at the anchorage of the steamer from whence they will be towed and secured to the Buoy (sic) at Pedra Branca and so on - of course the Commander of the steamer will take care to only venture out with the lighters during the day at the rock, so that they may be unloaded and secured to the steamer before night, as a loss of the lighters and cargo might be incurred during the heavy squalls or Sumatras – were they to remain at the rock or Buoy (sic) during the night. But there is no doubt that Capt. Congalton's experience will easily show how to avoid accidents in this way – tho' it may be here stated that such accidents may be expected to occur.

Regarding the two Gunboats that will be required during the operations, one will be required to be fitted up for my accommodation, and for which purpose I would respectfully ask the favor of your obtaining a survey report from the Master attendant, so that all necessary alterations may be effected. Both Gunboats will require to be decked over, and I would respectfully suggest that they be thoroughly examined so that all necessary repairs may be effected before the first of March, so that a want in this department may not be a cause of detention. The second gun boat will be principally required for procuring water and provisions from pt Romania and Singapore and for the carriage of work men.

It would much facilitate operations and give great confidence to the workmen, which is a very desirable object, should the steamer Hooghly remain near the rock for the first month or so, until everything be set agoing properly, after that her services would only be necessary when building materials were to be sent out to the rock - at the first setting out too it would be of great assistance could she convey planks, attap and spars so as to effect our quick establishment in houses on the rock these being the materials of which they will be composed. I hope this can be acceded to.

While I have no alterations to suggest on the plan of the solid part of the structure which was designed more to the view of strength than to any other object, and while I can state with considerable confidence that the estimate will not be exceeded in this part, as nothing was spared to make this part complete – still as the Honble the Court of Directors have made arrangements in full anticipation of the estimate being exceeded and as I exercised the severest economy in the interior fittings – I would humbly suggest that they be now of a superior style than that originally contemplated as being more in accordance with the spirit of the undertaking now that there is not the same object in reducing everything to its lowest limit of expenditure, that originally was the case when the structure was planned. I would recommend particularly that the visitors' room, the stairs and other lesser conveniences – be fitted up in better style than originally designed.

As immediate measures will now be taken to commence this long desired undertaking, and the actual work of constructing apparatus &ca will commence on the first of January, not to mention other measures that have been already set agoing, I would humbly solicit the favor that the extra monthly allowance to my salary of 150 Rupees, so kindly acceded to by Govt may be allowed to commence from the 1st of January – also that I may be allowed to engage an overseer from that date on 100 Rupees per mensem.

I think I have touched upon every subject now requiring immediate attention – as occasion may require I will ask for the assistance of such departments of the Local Govt may be able to aid the undertaking so kindly ordered by his Honor the Governor –, and trusting that this letter will meet with your approval and also of his honor the Governor to whom I would beg the favor of your forwarding it.

Singapore 20th Dec^r 1849 I have the honor to be Sir Your most obed^t Serv¹ Signed J.T. Thomson Govt Surveyor 1849 Government Surveyor 20 December

Relative to the construction of the Light House on Pedra Branca &ca.

of the c hurch bigning Herident Commeillor I have the honor of acknowledging the af the t ecieft of your letter to 1217 of 1849 with among A star and copied of letters from his hower the Govern Nº 510, from the under Secretary to the Goot Bingal Myster and from M. Grey log ", Under Secretary to the best of India Nooy Amerall the Court of Directors A. o of dept. 1149 relative to a Light Lourse on Pedra Brance, and Sam ationing dit immediate construction, under the divignathing of the fors hurgh Light house " averog to felans, specific trissel & estimate forward. with my letters, It 19 7 24 of 1848 and parthur doing multing honor of witruiting its creation to my care - I'm reply to your letter 1217 I beg leave respectfully to state That the two months and ten It ale that the two months and ten days that ning intervine between this and the first of attarch - on which the building will be commenced will be fully recupied in making the requisite perparations my absence at Malasod would consequently protione the commence ment of the wirk for bes money days and months as I might be at Malacola Felother mothing Sind the dome to the survey of Malacca until Survey had arrived from Bingal which will Jordtally not believe the It of February and a firsthis period of & minthe would be required after they thad to track the Measuring and

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a line it will to town to wind the words to the Bonny at ture of the flooring will take care to only some ture out with the lighter during the day Les of the Lighters and any second any singht be manned the he and land and show attras - were hig to remain att the rock or Bony during the night - But there is no doubt that Caple " to law and and and in this whay this it may the show It do that such acaddents may Requesting the tis limbrate that will be required during the sporations - one will be required to be fitted of fir my accomedation and fin which parfor I state respectfully . . . ach the fair of pour oftaining a lursey of 8 N in from the Aparto attend wah to that all Rold Shin hout will right to be deaked met. and I would see first fully Daggest that they to thornghly is an istat it that all neces The reports bearly to spirit a before the first of man an anal is that a we wit in this department. in main int to a cause of detertion - The deema procuring water & porrileions forme Romanite & Singapine & pr the Carrange . . . It would inicat fair it ate operations " que great confidence to the working which the her through a remain the sock for the first

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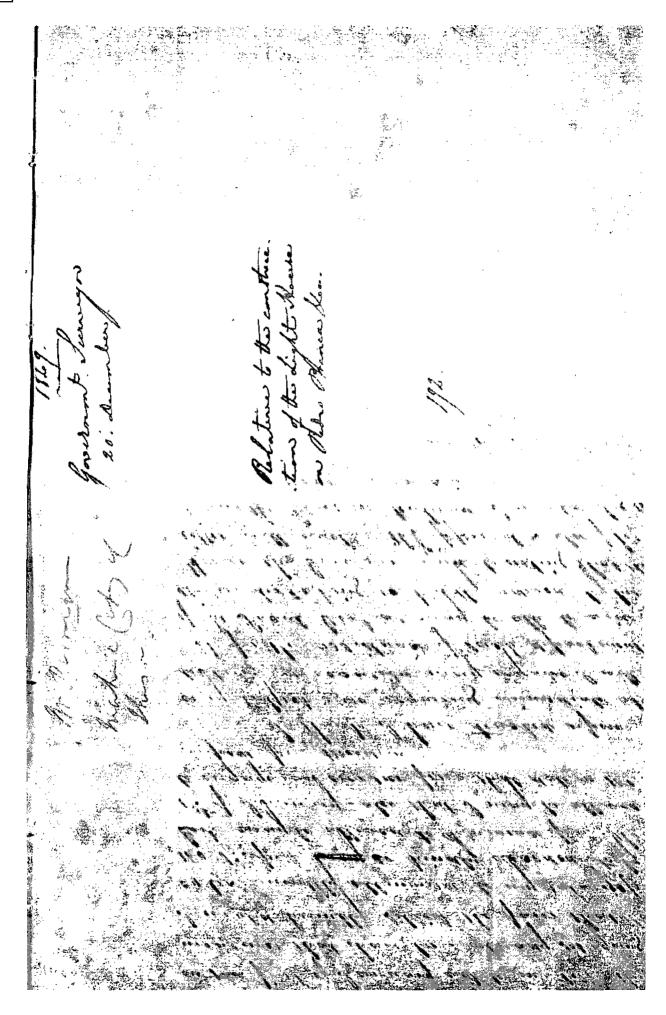
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on the first of I are wary not to an entire other measures that have been already as againg I would hundly delient the favor that the extra monthly allowance to any ralarge 157 Rupers Long is kindly abacded to by East may be allined to dimense from the 1t of Ilumary-ales that I may be allowed to engage and overseer from that date in 100 I Hinto I have touched afor every subject nos requiring immediate altettion as recasion may require I will ask for the assistance of luch departments of the Local boot as may be able to aid the undertations to kindly ordered by his Honor the Governor - and to wating that this letter will meet with approval ~ ales of his honor the Governor to ichiome I would begthe farer of your for warding it I have the honor to be Lit Your malt dest link en dinfame es 4 Dier 1849 Manuch End Surveyor

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Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Church T. (Resident Councillor at Singapore) dated 24 Dec 1849

Date

Gl No. 1088 of 1849

No. 156

To,

The Resident Councillor at Singapore Dated Singapore 24th December 1849

Sir

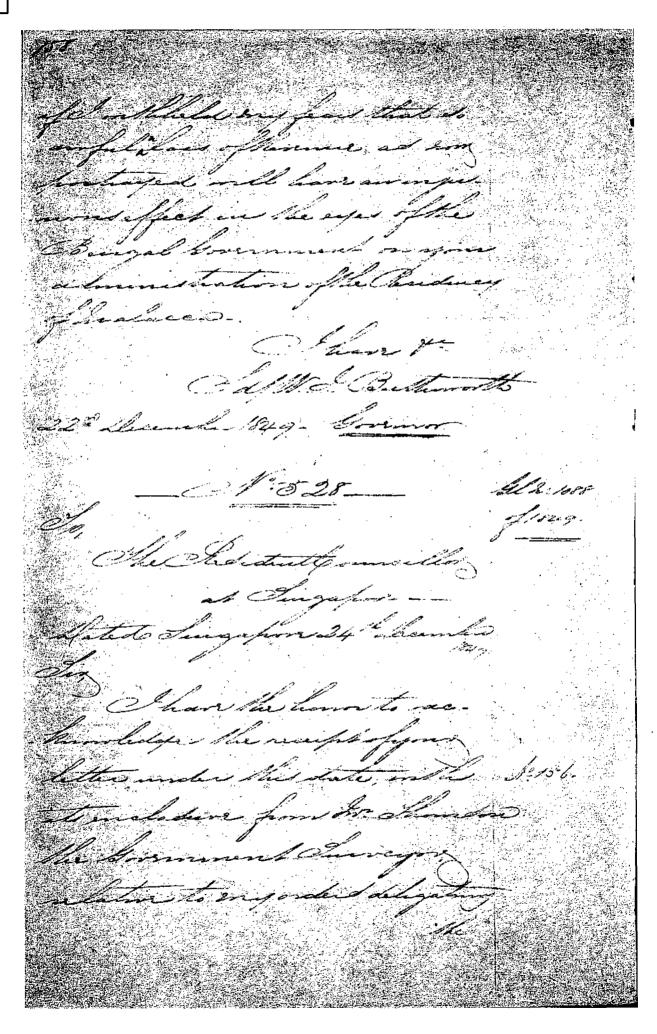
I have the honor to acknowledge the receipt of your letter under this date, with its enclosure from Mr Thomson the Government Surveyor, relative to my order delegating the task of constructing the Horsburgh Light House to that Gentleman.

The steamer and larger Gun Boat will be available for conveying materials supplies &ca to Pedra Branca for the work People to be located there, and if additional aid be required the Gun Boat from Malacca will be called for.

The extra allowance granted to Mr Thomson whilst employed on the Light House, as also that for an overseer will commence from the 1st January next, and you are hereby authorized to make such advances on account of the Horsburgh Light House as may be necessary.

> l have &ca Sd/ W J Butterworth Governor

24th December 1849



the table of construction of the do Light and to that have The stranger alle for Come mill be a star at Sector of Control to the mode the located the and in ander the the se The Sun Soul how head he called for ć. The surrence to alle officience. and the the 12 La and how deer mill 2 - All All A and say his - anned to s hereby a your and Alere Cher in alle en and Sind angle La La the second $\bigcirc \bigcirc \bigcirc$ - 104

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Letter from Thomson J.T. (Government Surveyor at Singapore) to Church T. (Resident Councillor at Singapore) dated 26 Dec 1849 To the Honorable

T. Church Esq^{re}

Resident Councillor

Sir

In Continuation of the subjects noticed in my letter No. 32 of 20th Dec^r regarding the proposed Horsburgh Light house, I have the honor of informing you that I have carefully considered the most eligible means for the procuring of the Lamps, Lantern and machinery which his honor the Governor directs should be executed in communication with "one of the eminent parties of the Mother Country versed in such matters with a view of determining the light and the timely construction, of the necessary apparatus". I beg leave to state that I heartily concur with his honor the Governor that so important and delicate a part of the undertaking, can not be safely intrusted to any engineer, that is not of the most undoubted respectibility (sic) and whose qualifications have already been fully tested in the mother Country. The subject is so important that it has enlisted the efforts of the most eminent men of science in Europe.

The Gentleman whom I proposed as the most proper person to be intrusted with this part of the undertaking in my letter dated 24th May 1848 was the Engineer to the commissioners of the Northern Lights which office is held in the person of Mr. Allan Stevenson, son of the most Eminent Light house Engineer of the present century and himself ranking amongst the first of his profession by the successful completion of the Sherryone Light house, I would again humbly make the same proposition and solicit the authority of government to my at once entering into communication with this gentleman not only for the purpose of taking his opinion as to the nature of the Light and requesting him to determine it for which purpose I will forward charts of the Straits of Singapore but requesting him to engage Mechanical Engineers to construct the Lantern, Lamps Machinery &ca also to request his personal superintendence and attention until the whole be completed and securely packed and shipped for Singapore by pursueing (sic) this mode I feel confident that the lighting apparatus will be of the best description now manufactured, to which the latest improvements will be adapted, and that the skill and experience for which Mr. Stevenson is so eminently known, will be a complete guarantee that the light when shown on Pedra Branca will give every satisfaction to the maritime public.

In the employment of an Engineer it will be necessary for me to give references in England to parties who will supply the funds when requisite, in this matter. I would humbly suggest that I be either permitted to transact the monetary business thro' a Singapore firm whom the Gov^t. will appoint, or that the honble the Court of Directors be moved to make the advances to Mr. Stevenson or his assigns when such are necessary, limiting the amount in the meantime to the sum of one thousand five hundred pounds sterling £1500.

I have the honor to be Sir Your most obed^t Servant Signed. J T Thomson Gov^t. Surveyor

Singapore 26th Dec^r 1849 1849 Government Surveyor 26' December

Respecting Lamps, Lanterns &ca, required for the Horsburgh Light House on Pedro Branca

his rolf range ing an ing the bart of his for the Tight how i ngines of the present century was of all all can decenden - Lon of the much Emineral I the work to buy which appear is hard in the perior much prepar present to be untimbered with the fast The must concerned men of sources in burger is so important that it has entired the effect of been fully tested in the mother Country - The subject unperturbed + where qualities adave abread to any congenerat that is not of the most un deutied of the undertaching can sut be defet monta The Governous that is important and alled topart bene to state that I he ditil concerts with his honor "compration of the succession by bear atime i bear weath a recent of deler we concert the light of the here day provided of the Mother Country result in back multer be executed in communaction with on of the imment machinery . which bill hence the Queron dereas should me any for the precessing of the decomps - decenter of " Here you a for a contract considered the medical child On Containation of the salfeets subaced in my. On indiat Commenter its and do the downable brisz fifter and state of the s

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Ingapore 26 th Dec 1849

Manda Goot Surveyor

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Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Court of Directors of the East India Company dated 27 Dec 1849 No. 340

Genl. No. 109G of 1849

То

J.G. Melvill Esq^{re}

Secy. to the Honble the Court of Directors of the East India Company East India House - London. D/ Singapore the 27th Dec^r. 1849.

Sir,

With reference to the despatch from the Honble the Court of Directors under date the 5th Sept^r. No. 3 of 1849, to the Gov^t. of India, sanctioning the construction of a Light House on Pedro Branca in the China Seas, I have the honor very respectfully to transmit the copy of a letter from Mr. Thomson, the Gentleman entrusted with the work, and to solicit that the advances required by Mr. Stevenson, the Engineer selected to superintend the preparation of the Cupola and Light may be made by the Honble Court.

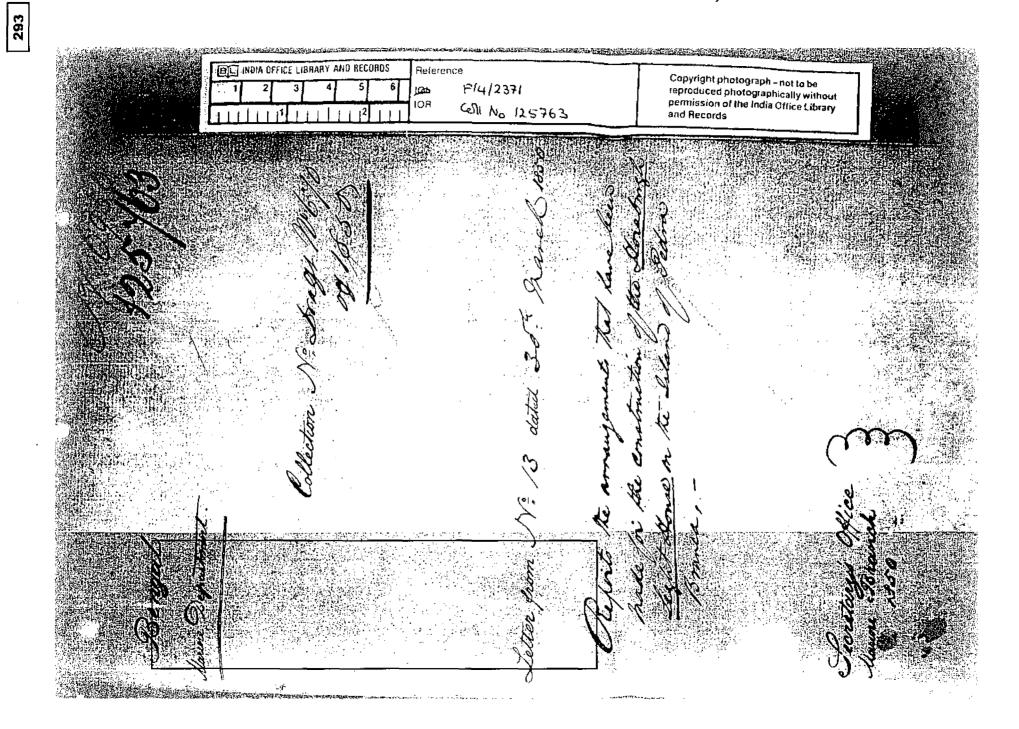
Should the advance of so small a sum be likely to cause trouble or inconvenience in the adjustment of the accounts with India, I shall be prepared to remit the amount so advanced, either by Navy or Labuan Gov^t Bills, and I hope to be pardoned, if I have made an irregular request, which has been dictated solely by the difficulty, risk, and expense of negotiating through the Houses of Agency in these small stations.

The work to be executed is of such importance to the safety of the Mariner, that I am persuaded, in the event of the amount (£1500) determined upon for the Light proving insufficient, the Honble the Court will not refuse their countenance to any additional outlay that may be recommended by Mr. Thomson. I have the satisfaction to report that arrangements have been made to commence on the Building in March next.

The 27th Decr. 1849

I have the honor to be etc. Sd/ W.J. Butterworth Governor.

(True Copy) Sd/W. J. Butterworth Governor.



Think have touched show every subject no will as the for the affers have of such Departments of The local you? as may be able to aid the under the to Kindly ordered by His Howor the your and Thus ing that this letter will meet with your appro also of His Hower the Governor to whom I would be the favour of your forwarding it .-I have the power that & Jingapore B The 20th Decr. 1849 3 My J. J. Thomas June Copy Butterworth 1 1º 340 / Govern J. C. Melvill Cogne Gent. A. by by Secy to the Houte the last of Directors of the Constituction Company -Cast India Housi - Soudow. Aslingafure the 27 Decr. 1849 .-Tir With reference to the despatch from the Marth the Gouit of Decectors under date the 5 dept. No 3 of 1849, to the Good of India dametioning the construction of a light House on Perro Brance in the China deas, There The honor very respectfully to Transmit the copy of a letter from Mr. Thomson the Guitteman subrusted with the work and to which that the advances required by the Therewoon, the Sergineer delected to superintend the fire paration of the Cupola and fight may be made by The Houble Court should the advance of so small a sum be littley to cause trouble or inconvenience in the adjustment of The accounts with history I shall be prepared to new

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 $(\widehat{n} \mid \widehat{P})$ meed, either by Mary or Labran you A lo adv. Bills, and Those to be pardoned, if I have made irregular request which has been distated solely by difficulty, risk, and scheme of negotiating through the Houses of Agency in these small thatour. The work to be specified is of such importance to 101V OFFICE the safety of the Mariner that I am persuaded me the event of the amount / & 1500 / determined upon for the LIBRARY Light priving insufficient, the Heatle the Court AND RECORDS will not refuse their countenance to any additional out bay that may be recommended by all ? I have the latis faction to report that arrange <u>ğ</u> arts have been made the commence in March ment -Ş 6/4 230g I have the harro tole to The 27 - Decs. 1849 } No 142867 Mr. J. Butterworth Vane Copy 1 Butterworth Governor -Apatract from the Minutes of a Mieting of the Committee of the Mingapore Chamber of Comwin Why a = merce held on the 19th Decr. 1849 permission of the India Office Library and Records reproduced Copyright phot photographically without A letter from the Houble the Garmon A330. dated the It one to the asore fo of the Chairman ad of to be with its suclosures was read from which it appeared that the Houldle the Court of Director had authorized the construction of the Horsburgh Light House a Pedro Branca to be commenced, and directing that duty of 2/2 dollars fur 100 tous should be les Oels touching at Singapore, or cleaning out at of Ports to China or the Castward of Singspore, to a The expenses of the Light House, and to end ment of the amount required in addition and the second second

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Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Church T. (Resident Councillor at Singapore) dated 29 Dec 1849

Date

: 29 Dec 1849

No. 542

GI No 1113 of 1849

The Resident Councillor at Singapore Dated Singapore 29th December 1849

Sir,

To

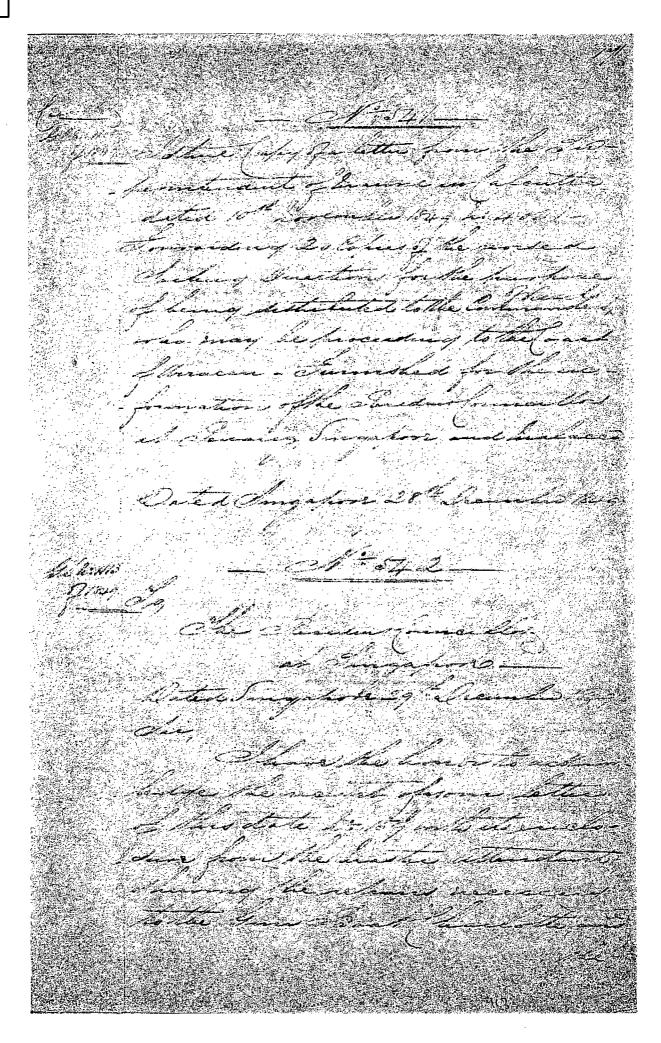
I have the honor to acknowledge the receipt of your letter of this date No 159 with its enclosure from the Master Attendant, showing the repairs necessary to the Gun Boat "Charlotte", and the alterations required consequent on her employment with the officer entrusted with the construction of the Light House on Pedra Branca.

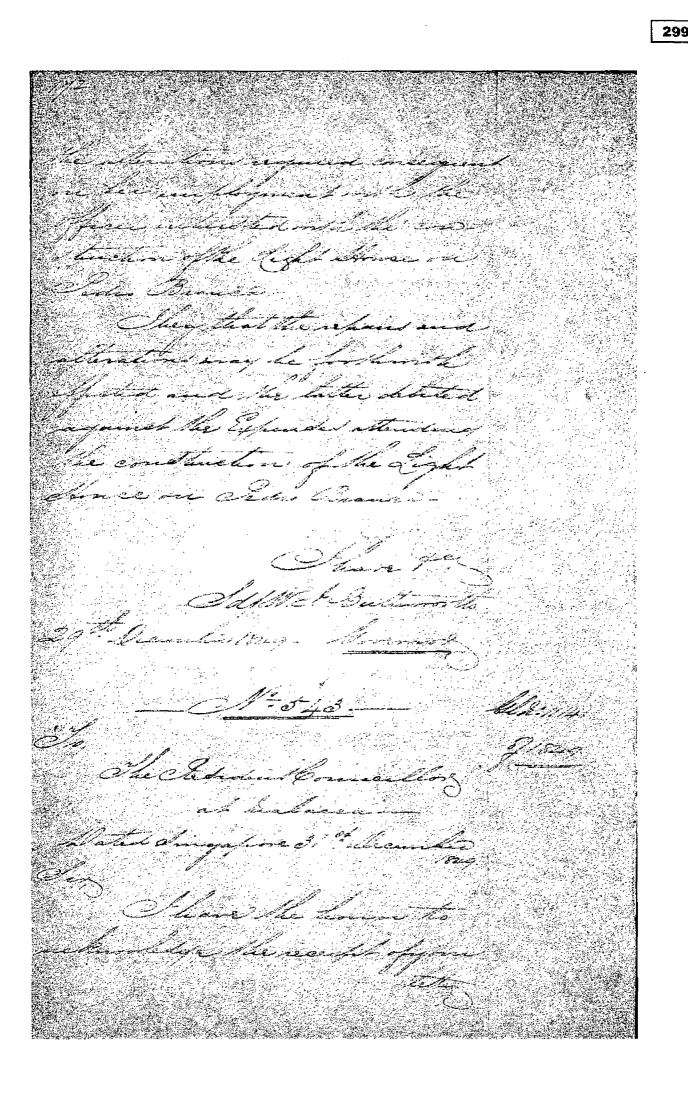
I beg that the repairs and alterations may be forthwith effected and the latter debited against the Expenses attending the construction of the Light House on Pedra Branca.

> I have &ca Sd/ W. J. Butterworth Governor

29th December 1849

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Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Seton Karr W. (Under Secretary to the Government of Bengal) dated 13 Feb 1850 :13 Feb 1850

No. 22

То

W. Seton Karr Esquire

Dated Singapore 13th Feby 1850

Genl No 158 of 1850

Ans^d 19 March 1850 No. 171 * 5th Nov / 50 No. 103.

" 24th Oct / 51 No. 603.

Sir

I have the honor to acknowledge the receipt of your letter under date the 12 November last No 784 with its enclosure from the Government of India giving cover to a despatch from the Honble the Court of Directors authorizing the immediate construction of the Light House on Pedra Branca to be called after the celebrated Hydrographer James Horsburgh Esquire.

Immediately on receipt of the above 2. called communication. L upon the Government Surveyor Mr. Thomson to ascertain if the original Contractor "Choa Ah Lam" was still willing, giving good security to undertake the Work agreeably to the Plan Specifications and Estimate submitted by Mr. Thomson, approved of by the Superintending Engineer and forwarded to Government under date the 12th June 1848 No 72.

Date

3. The accompanying Copy of a letter* from Mr. Thomson will show that all arrangements have been preliminary made with the aforesaid Contractor to commence on the Work in the early part of March next, and I have accordingly Establishment authorized the extra sanctioned by the Honble the Court of Directors, to be drawn from the 1st Instant. to ensure the preparation of Models &ca, as also such advances as the Contractor may desire for bringing Masons from China, who will be located on Pedra Branca, from which Rock the Blocks of Granite for the facement of the Light House will be prepared, and I have every to believe under the able reason superintendence of Mr. Thomson, who is with the thoroughly conversant management of the Chinese workmen, that the Light House will progress rapidly and successfully.

4. The great distance from Singapore, of the Rock on which the Light House is to be erected, and the exposed position render the task of superintendence, one of great bodily fatigue and exposure, but I have every confidence in Mr Thomson who is well inured to the Climate, and as previously observed most intimate with

*Vide enclosure to a letter from the Resident Councillor at Singapore d/24 Dec 1849 No. 156. the habits, manners and customs of the people, indeed as the Superintending Engineer observes in his letter under date the 6th of June 1848, forwarded with my communication to your address of the 12th Idem, No.72, "The Gov^t Surveyor, who alone in these Settlements possesses the practical knowledge of Building, familiarity with the language, the sway and control of the Chinese Head Men and Subordinates, and Acquaintance with the resources of Singapore necessary to ensure success without considerable increase of expense."

5. Mr Thomson would desire to add in a trifling degree to the comfort and convenience of the Visitors Room, and to make the fittings up of the interior of the Building, somewhat better than was originally proposed, and as this will cause but little further outlay on the Building, I have ventured to authorize his giving the necessary orders for such articles, from the Home Market.

6. The difficulty and risk, of negotiating through the Houses of Agency in these Small Stations, induced me to comply with Mr Thomson's suggestion for requesting the Honble the Court of Directors to make the necessary advances to the Engineer entrusted with the preparation of the Cupola and Light. A copy of my communication* to the Sec^y at the India, I beg respectfully to enclose, and to express a hope that the course I have pursued will meet with the approval of the Hon'ble the Deputy Governor of Bengal.

7. I take this opportunity of submitting for the consideration of Government, the Extract* from the accompanying proceedings of the Chamber of Commerce at this Station, begging that the repayment of the money to be advanced by the Honble the Court of Directors for the construction of the Horsburgh Light House, may be spread over a series of years, so as to make a portion of the proposed Light House Dues available for further facilitating Navigation through the Straits of Malacca.

8. The chief want of the Navigator is a Light on the "2½ fathom Bank" in the Straits of Malacca, as was shown by the Memorundum forwarded with my letter under date the 14th July 1849, No 91, and I am clearly of opinion that this would be the greatest boon that could be afforded, I therefore strongly recommend that the wishes of the several owners, and Masters *Vide enclosure to a letter from the Chamber of Commerce d/24 Dec 1849

*d/27 Dec 1849 No. 340 see Local Book

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of Vessels in this respect may be complied with, and in the meantime 1 am happy to report having despatched one of the Buoys* received from Calcutta, to the aforesaid 2¹/₂ fathom Bank.

*Vide enclosed printed Notice by Capt Congalton d/ 24 Jany 1850

9. The Committee of the Chamber of Commerce further desire one or more Lights in the vicinity of Singapore, and I am of opinion that one to guide vessels passing Tree Island, the Sultan Shoal, and the Rabbit and Coney, would be most beneficial to navigators, and would cause little expense beyond the small Establishment necessary for keeping the Light trimmed during the night.

10. The Chamber of Commerce have very considerably overrated the receipts by making their calculation from the number of vessels that have arrived at, and departed from, Singapore, without bearing in mind that one vessel may have entered the Port half a dozen times during the year. The amount of Tonnage upon which Light House Dues would be collected will not exceed 150,000 limiting the payment of Light House Dues* for each Square Rigged Vessel, to twice during the year.

* 2/2 cents per ton

11. The Committee also desire that the levy of these Dues may be confined as far as possible to the Presidencies, where Import and Export Duties obtain, under the impression, that the collection here may "operate prejudicially to the trade of the place, which hitherto has been unfettered by exactions for any purpose whatever", but this opinion, as I shall show, has undergone modification.

12. It appeared to me that difficulty and vexation might be engendered, by the original views of the Committee of the Chamber of Commerce being met on the present occasion, as Commanders of Vessels would have to produce Receipts at this Station, showing the payments made by them in India, which Receipts might not be forthcoming, and the Act for authorizing these dues, would necessarily be a very complicated affair, whilst the Public would be ignorant of the actual amount received on account of the aforesaid Dues.

13. Under these circumstances, and taking into consideration the fact that all, or nearly all, Vessels passing through the Straits of Malacca from the Presidencies touched at Singapore on their way to and from the China Seas, I have ventured to

draw up an Act for the levy of the Dues at this Port alone, which I trust will be approved of, more especially as I am able to state that the Chamber of Commerce have concurred in my reasoning and through their Chairman have expressed their satisfaction with the Draft Act* now submitted.

, con la

* Sent in original copy retained vide local file under d/13 Feby 1850

I have &ca, <u>S</u>d/ W.J. Butterworth Governor

13th February 1850

62 Mo22 In deton Man Esquino Dates Sing And 13 Sely 1850 Chr. . 5 - For 150 I have the honor to acknowledge 12/03. 1 24 - Jet 31 the weight of your letter under date the 1- 600 12 Monunde last No 704 loith its endrance from the Government of Criaico. Geving Corn to a Despatch from the Amble the bound of Directors autro. roging the Immediate Construction of the Light House in Vedra Branca to be Calles after the Relatiated Styans - graphie dames Horsburgh require Immediately on receipt of the above Communication, & Calles upon the Genermant, Durreyor Mr. Thomson to ascertain of the Original Contractor Choa Ah Sam was Mile willing, giving Good Security to undertake the Work Agreeably to the Vilan Specifications

134 and Celimate submitted by Mr Thomas, approved ofly the Superintending Engineer and forward is to Government, under dale 2 12th Junes 1848 010 1/2. The accompanying boly of a (3 little from hor Thomas will show that Hede in Clorume to all bretening aroungements have been a Liller from the made with the aforisand Contractor ton Resard Commence on the Work in the larly bail al linga poros al of Abarah next and I have arrivingly 24 Den ? authorized the extra Establishment Same. 1049 h. have by the Huble the Court of Durchers, to be drawn from the 1; Instant, to ensure the preparation of Models Vaa, as also Such advanced as the Contractor may desire for bringing Maxing from Chinal. Avho will be located on Gedra Bearrad, for Which Rock the Blocks of Granites for the facement of the Light Anne ince he prepared, and I have every reason to believe under the able Superintendence of Mis Mangon , who is thing hey Command with the management of the Gunde Worthing

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64 Workmen, that the Sight Home loild progress rapidly and Successfully The Guar distance from Lingapore of the Rock on which the Sight House is to be enerted, and the exposed position under the last of Supermandance, one of great boarly falique & Expassion, but I have every Confidence in OM? Thomson who is well immed to the Climate, and a, promously observed most intimate with the habits, manner and listond of The people, indees as the Superintensing) Enginein observed in his letter under date the 63 Olime 1848, forwarded with my Communication to your address of the 12; Odem ho 72 .- The Good Surveyor who alono in these Settlements possesses the practical Russeledge of Building, fami. - lianity with the language the devay and control of the Chinese Mead aben and Subordinated, and acquaintaince with the resources of disigapore necessary to

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16 Anoble the Deputy Governor of Bengal. I lake this Opportunity of sub. 1 -milling for the consideration florenmen the accompanying Extract from the pro-+ Vide end - lune to a cardings of the Chamber of Commerce Letter from the china at this Station, begging that the repayment of Commence of the money to be advanced by the Handled af 24 Der? 1849. the Court of Directors for the Construction of the Hornburgh Leght House, may be Apread aver a Series of yeard, Do as to make a borhow of the proposed Light Arme Dues available for further facilità. - King Ravigation through the Stracts of Malaceal The chief want of the Manigaton a Sight on the 2/2 father Bank in the Shaits of Malacea, as was their by the Minerander forwarded with my letter under date the 14, July 1849, No. 91, and Vam Clearly of Opinion That This bound be the qualest born that Could be affinded , I thereford thoughy

Recommend that the wishes of the Sernal Owners and Martens of Versals in this us fort may be complied with , and in the mean time I am happy to report having Nicie unlos despatched one of the Burged received from Printed Re Their by bat Calantta, to the aforesaid 2/2 father Bank Conductor af 24 Sarry Of The bommittee of the barmber of 1050. Commerce further desire one or more Lights. his the Vicinity of dingapose, and I am Opinion that one to guide Venels baffer The Island, the Jultan Shoal , and to Rabbit and bary, would be most binefi Cial to Navegators, and would Came tille Expenses beyond the Small Establishment necessary for Meeping the Light Trimmed awing the high The Chamber of Commence hand Very considerably averated the Receipts by making their Calculation from the Number of Vinds that have arived at and departed from, Oling pore, without bearing in mine that one Nersel may have entered the Vert half a dozen times during the Mean

Amount of a annage upon tohuch Sight Avere Qued would be Coller Ded will not greed 150,000 limiting) the payments of + 2/2 cml Light House Dies for each Oquand hig - Que Verset to terrice during the year, The barrow theo also descre that the levy of these Dues may be Con find a fair six possible to the President - Cies, where Import and insport Daties Oblain, under the trabuession, that the Collection here may Openate projudicially to the Chade of the Place, which bitherte has been unfettered by exactions for einig purposed whatever, but This Opinion, as I shale shew, has undergone modifica tim on A appeared to me that difficulty 12 and Vexation might be liquidined by the Original Views of the Committee of the Chamber of Commerce being mich on the present occasion, as Commond of Vend, would have to prosure Kempts al this Station , Thering the payments

made by them in Omora, which there plought has be forthcoming), and the art for anthe arging there dues , would necessarily be a very complicated affair, while the Public trouble legisrand of the actual amount received an account of the afores and Died 13 Under these Circumstances , and latting inte consideration the fact that all or nearly ale Venel passens through the Shails of Malaccal from the Vierdenced touch at dingapore in their way to and from the China dead, I have Ventured to drow-up an act for the levy of the Dued al this Port alone, which I have to be approved of more estrenally as I am alle to Make that the Chamber of Commerce have Concurred in my reasoning) and this Their Chamman have expressed their Later to him with the Dasfe act now Submitted I have thea Id W. J. Muller af 13 Del 13. February 2 Governos

Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Church T. (Resident Councillor at Singapore) dated 22 Feb 1850

GI No 188 of 1850

Is true copy of a letter from the Under Secretary to the Government of Bengal dated the 29th January 1850 No 42. Approves the repairs and alterations authorised to the Gun Boat "Charlotte", amounting to Dollars 620, previous to her being engaged in conveying to Pedra Branca Mr Thomson the officer entrusted with the construction of the Horsburgh Light House, and requesting that the same may be debited to the Light House in question. Furnished for the information of the Resident Councillor at Singapore, with reference to his letter dated the 29th December 1849 No 159.

Dated Singapore 22nd February 1850

Lene year the children Contample Od Shall mention. that char appret of the flood. mence, dur hisdutter The card, the humichal Committee, and the chinese linelant--1- Y6_ 912:188 بالتح الاثحام ممر ممركم John Elyiza atte from the Munder unsuling to the Sorrendment of Bengal dated the 29 th Juniary 1888 21 - 42 - Alphons the repairs and attenden charter amonting to all Law 620, provid the the

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Letter from Bayley H.V. (Under Secretary to the Government of Bengal) to Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) dated 19 Mar 1850

Date

: 19 Mar 1850

No. 171

From

The Officiating Under Secretary to the Government of Bengal

То

The Governor of Prince Wales Island Singapore and Malacca

Dated Fort William, the 19th March 1850

<u>Marine</u>

Sir,

I am directed by the Deputy Governor of Bengal to acknowledge the receipt of your letter No 22 with enclosures, reporting the measures that have been taken for the immediate construction of the Horsburgh Light House on Pedra Branca.

2. His Honor approves of the preliminary arrangements which have been made by the Contractor "Choa Ah Sham" for the commencement of the work, as also of your having authorised the entertainment of the extra establishment sanctioned by the Hon'ble the Court of Directors from the 1st February and the advances to the Contractor to enable him to bring masons from China.

3. From Para: 6 of your letter and enclosures No 2 His Honor observes that in consequence of the difficulty and risk of negotiating remittances at Singapore, you have solicited the Hon'ble Court of Directors to advance Mr Stevenson the Engineer the sum of £1500, being the amount required by that gentleman for superintending and preparing the cupola and light for the Light House in question. Your

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proceedings render it unnecessary for His Honor to pass any orders on the subject which will be duly taken up by the Home authorities.

4. As regards the proceedings of the Committee of the Chamber of Commerce at Singapore, in which that body solicit that the repayment of the money advanced by the Hon'ble the Court of Directors for the construction of the Horsburgh Light House, should be spread over a series of years so as to make a portion of the proposed Light House dues available for a light on the $2^{1}/_{2}$ Fathom Bank in the Straits of Malacca, and for a light near Singapore, I am directed to inform you, that the earliest opportunity will be taken for submitting the proceedings of the Chamber for the favorable consideration of the Hon'ble the Court of Directors.

5. The draft act submitted with your letter has been forwarded for the consideration of the Most Noble the Governor General of India in Council, in the Legislative Department.

I have the honour to be,

Sir,

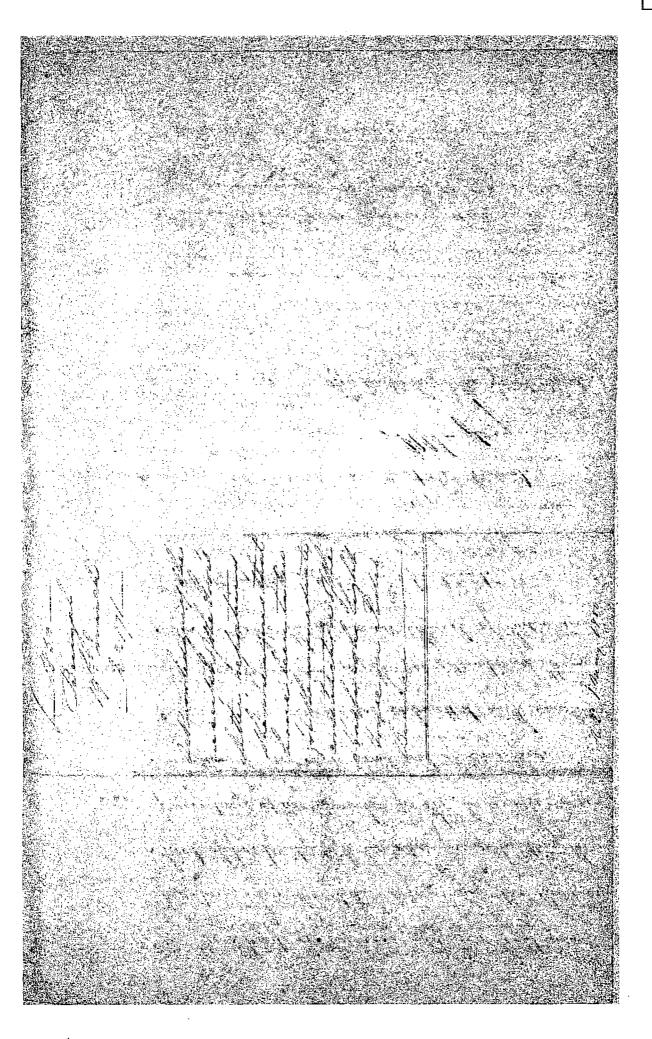
Your most obedient Servant Sd/ H V Bayley Off.g Under Sec^y to the Gov^t of Bengal 1850 Bengal 19th March No. 171

Acknowledging the receipt of the Gov's letter reporting the measures that have been taken for the immediate construction of the Horsburgh Lighthouse on Pedra Branca.

From he officiating Under deritary to the Government of Brugol " The Governor of Prince Water Offand highere and Malacea . ated For Htt Hiam, the 19 Mench 1850. Marine Pringab to rich nonited of the receipt of your letter 422 with enclosures reporting the measured that have here taken fis the immediates construction of the Hordburgh Tight House on Section Branow. His Honor approved of this pretimining and 2. = rangements which have been made by the Contractor "Choa ali shame for the commencement of the worky as also of your having authorized the cales : taimment of the we tra establishment sanctioned the Mantho the Court of Directory from the Recht enny and the advances to the Contractor to enable him to bring maxine from china

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in the Sharts of Malacas, and for a light mean Juigs port, Clam chirected to inform you that the ear hist opportunity will be taken for submitting the proceedings of the Chamber for the facorable case · deration of the Nor the the Court of Directors of 5. The draft act sabailted with your letter has her forwarded for the consideration of the Most Noble the Gaverner General of India in Council inthe equilation Department. have the hour the Your most ofer Twent. Mllinglery off & haden less to the Sort of Burget



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Letter from Lettler J.H. of the Marine Department of the Government of Bengal to the Court of Directors of the East India Company dated 30 Mar 1850

: 30 Mar 1850

Bengal <u>Marine_Department</u>

> Collection No Draft No 670 of 1850

Letter from No 13 dated 30th March 1850

Reports the arrangements that have been made for the construction of the <u>Horsburgh Lighthouse</u> on the Island of Pedra Branca.

Secretary's Office Marine Branch 1850 Copy Marine letter from Bengal dated 30th March 1850 No 13

I now beg to report the measures which have been adopted consequent on the sanction conveyed in Your Honorable Court's Marine Despatch to the Gov^t of India, in the Home Department No 3 of the 5th September last, to the construction of the Horsburgh Lighthouse on the Island of Pedra Branca.

2. On the receipt by this Gov^t of the Despatch in question from the Home Depts the Governor of the Straits Settlements was desired to take immediate steps for commencing the work, and also to submit the Draft of an Act for the purpose of legalizing the duty of 2½ Dollars per 100 tons proposed by Your Honorable Court to be levied on the shipping as soon as the Light House should be completed.

3. In his annexed reply No 22 dated 13th February last, giving cover to five enclosures on this subject, Colonel Butterworth reported that all the preliminary arrangements had been made with the original Chinese contractor "Choa Ah Lam" for commencing the building in the early part of the current month, and that he had accordingly authorized the extra Establishment sanctioned by your Honorable Court to be drawn from the 1st Ult^{o.} to ensure the preparation of models &ca as also such advances as the contractor might require for bringing masons from China, who were to be located on the island itself, from which at the same time the blocks of granite for the foundation of the Light House were to be prepared.

4. The superintendence of the undertaking has been entrusted to Mr Thompson the Gov^t Surveyor at Singapore, and tho' a task involving great bodily labour and exposure, Colonel Butterworth feels confident, from that officers being well inured to the climate, and his being thoroughly conversant with the management of the Chinese workmen that the work will progress rapidly and successfully. 5. I approve of the above proceedings as reported by Colonel Butterworth.

6. In paragraph 6 of his letter under notice, Colonel Butterworth refers to the difficulty of negotiating through the Agency Houses in the small stations of the Straits Settlements, but as he had already addressed Your Honorable Court on the subject of making the necessary advances to the Engineer entrusted with the preparation of the Cupola and Light, I did not consider it necessary to pass any orders on this subject.

7. With reference to the imposition of 2½ Dollars per 100 tons, and to the amount advanced by Your Honorable Court for the erection of the Light House, Colonel Butterworth submitted an extract from the Proceedings of the Committee of the Chamber of Commerce at Singapore begging that the repayment of that sum may be extended over a series of years, so as to make a portion of the proposed Lighthouse dues available for further facilitating navigation through the Straits of Malacca by erecting a light on the 2½ fathom Bank, and another in the vicinity of Singapore.

8. On this subject Colonel Butterworth remarked that the Chamber of Commerce had calculated the yearly amount of tonnage at the Port of Singapore at 200,000 tons thereby greatly overrating the receipts by taking their calculation from the number of vessels that went in and out, without bearing in mind that the same vessel might re-enter that Port many times during the year, whereas the actual amount of tonnage upon which Light House dues would be collected would not exceed 150,000 tons, limiting the payment of those dues for each square rigged vessel to twice during the year.

9. I beg to submit the proceedings of the Committee of the Chamber of Commerce referred to for the favourable consideration of your Honorable Court. 10. The Chamber further desired that the levy of the Horsburgh Light House might be confined as far as possible to the Ports of Calcutta, Bombay, Madras &ca, where Import and Export dues obtain, under the impression that the collection of such dues at Singapore might operate prejudicially to the trade of that place, which had hitherto been unfettered by pecuniary exactions of any kind.

11. Colonel Butterworth's opinion on this point was that a compliance with the Committee's proposition would entail difficulty and vexation inasmuch as commanders of vessels would have to produce receipts at Singapore for payments made by them in India and elsewhere which receipts might not always be forthcoming. Besides Colonel Butterworth considered that an act authorizing those dues would necessarily be too complicated and lead to confusion.

12. Under the above circumstances Colonel Butterworth transmitted the Draft of an Act which he had drawn up for the levy of the Light House dues at the Port of Singapore alone; which was likely to provide for the due interests of all parties. This Draft act had been submitted for the consideration of the Gov¹ of India in the Legislative Dept.

- J. H. Lettler

Bengal

Marine Department.

Collection N: Dragt Mby0 1550

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Letter from Nº: 13 dated 3.5.4 Rasel 1850

Reports the arrangements that have been hade for the construction of the Storebright Branca

Secretary's Office ' Marine Branch ' 1850 -

Copy Marine letter from Bengal dated 30th Marich 1850- 9073. I have beg to lefit the menuices which have been adopted consequent on the Lauction conveyed in your Nonorable Comili Maine Despates to the Gort of Ludia, in the Home Department & 3 of the 5th Ceptember last, to the construction of the Moisburgto Lighthouse a the Island of Sedin Branca. On the securit by this Got 2. of the Despatite is question from the Home Left's the Governor of the chaits cellements was desired to take immediate steps for Commaning the work and also to sabirit the Graft of an act for the purpose of logalizing The duty of 21/2 Dollars \$ 100 -ono proposed by your Honorable Court to be lived on to

Theffing as soon as the Light House island be completed. 3. In his annexed septy & 22 Dailed 13. Debmain last, gaing coner to fine Inclosures on this subject, Colonel Butterworth Exported that all the prediminain arisingement had been Anade Bith the original Chinese Contractor "Chon ali Lam" for Commencing the brilding air the Early part of the Current. Inonth, and that le had according if authorized

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to paper my viders on this subject. With levened to the imposition 21/2 bollars 1/2100 2000, and to the amon abranced by your Alcomble Comit location of the Light Nonic, Colonel Butterne submitted an extrach from the Proceedings The Committee of the Clamber of Committee Injapire begging that the se payment of that sum may be extended over a deries . This do as to make a portion of the proposed Light times dues amilable for Smither facilitating Gaugation Hernen the tinto of ellabacca by creating a light on the 21/2 galar Bank , and another in The Franity of cingapore .-On this subject Colonel P Butterwitt Eemarked That the Chamber of Commerce had calculated the grany amount Jonnage at the Port of Jugapone at 200,000 Thereby greatly over stating the Eccepto by taking their calculation from the Rumber of Defield that went in and only without bearing hi mind That the same what night is cater that foit have times during the scar, whereas the actual amont of Tonnage Afon which Light Alone Ones would be collected works not queed 150000, timiting the pay mand of these ones for cach Aquaic rigged velact to twice During the Pear

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I beg to satmit the procedury. of the Committee of the Chamber of Commerce referred to. for the favorable consideration of your Amorable Coult -. -The Clamber further desired that the lary of the Arisburgh Light Some might be confined as gamas possible to the Ports of Calentta, Bornday, elladore it, where Import and Export dues obtain, ender the impression that the collection of duch dues at congapore might operate prejudicially to The trade of that place, which had letterts been miletterch by fecuniary exactions of any Rink Colonel Batterwith's opinion on this four was the a compliance with the Committees preferation would entail difficulty and regation minomuch as commanders of Selaclo would have to produce Eccepto ah Ingatore for parments made of them in Subia and elsentice which Recepts might with always ac Southerning . Besides Colonel Butterworth considered that an ach authonging those dues would recepting at to complicated. and lead to confuder Sender the above circumstances 12 . Colonel Baltaworth hansmitted , the Draft of and act which he had drow he to the story of the Light Monae dues at the Poit of Imgafore alone ; which and likely to provide In the due interests ofall parties This Draft ach has seen submitted for the Consider the Sol of Judia in the.

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Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to the Resident Councillor at Malacca dated 4 Apr 1850 Date

: 4 Apr 1850

<u>No. 127</u>

GI No 302 of 1850

To, The Resident Councillor at Malacca Dated Singapore 4th April 1850 Ans.^d 15th April/50 No. 207

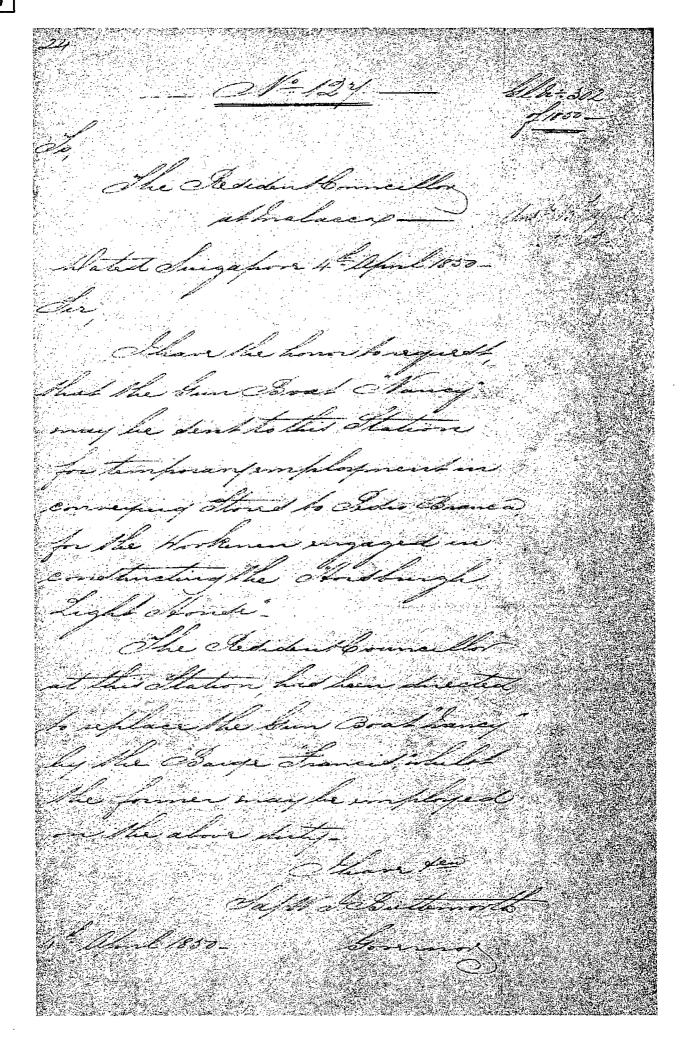
Sir,

I have the honor to request, that the Gun Boat "Nancy" may be sent to this Station for temporary employment in conveying Stores to Pedra Branca for the workmen engaged in constructing the "Horsburgh Light House".

The Resident Councillor at this Station, has been directed to replace the Gun Boat "Nancy" by the Barge "Francis", whilst the former may be employed on the above duty.

> I have &ca Sd/W. J. Butterworth Governor

4th April 1850



Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to the Resident Councillor at Malacca dated 19 Apr 1850

Date

<u>No. 155</u>

· To,

The Resident Councillor at Malacca Dated Singapore 19th April 1850 Gl. No. 350 of 1850

Ans^d 23rd April / 50 No. 220 Ans^d 3rd (?) May / 50 No. 249

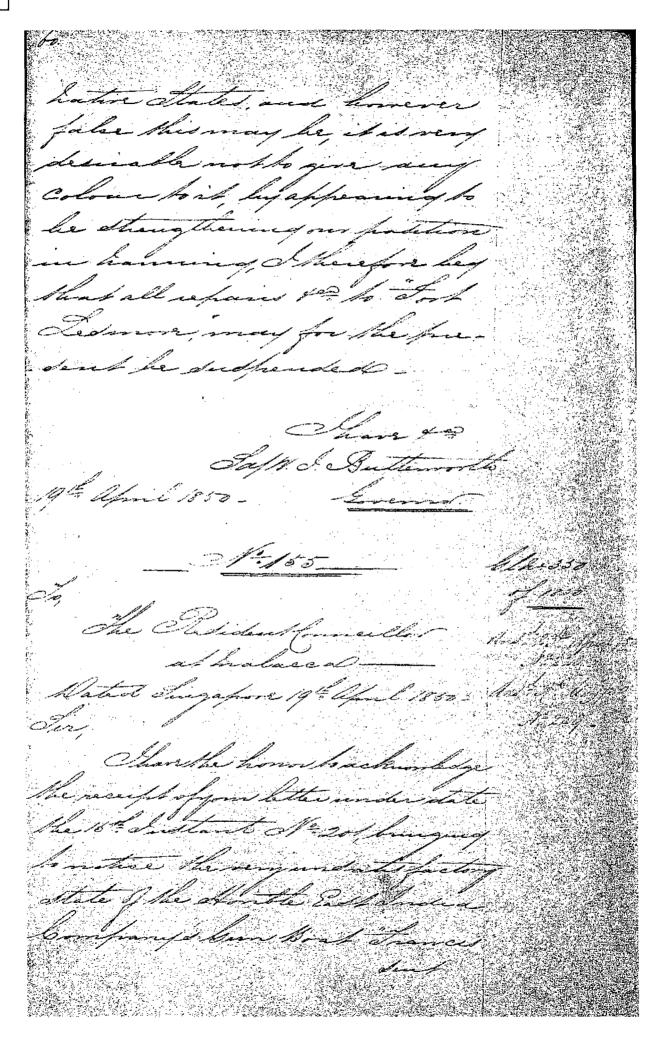
Sir,

I have the honor to acknowledge the receipt of your letter under date the 15th Instant No. 201, bringing to notice the very unsatisfactory state of the Honble East India Company's Gun Boat "Francis" sent from hence to replace the "Nancy", whilst the latter may be employed in conveying stores &ca for the workmen engaged in constructing the Light House at Pedra Branca.

I regret that the "Francis" should have been permitted to leave Singapore in so inefficient a state, and I have not failed to direct the attention of the authorities here, to the circumstance which does not reflect credit on the Marine Department; I now beg that such immediate repairs and additions, as have been found necessary to the Gun Boat may be forthwith made, and debited to this Residency, and that hereafter when you can spare her, that she may be sent back for the purpose of being placed in a completely serviceable condition.

> I have &ca Sd/ W. J. Butterworth Governor

19th April 1850



dent how here a banchela Manage, while the latter and a second Elezand 2 Markon engangend Stucting the angel down ee all de I and the second second Iregret that the Trancis thou have been han de do ma face and the 1_1the attention of the Authorite motance which do the he end no failed an - the Department; chron health - Lence ante. as any been frinch me to the Sun Brokmayle fo and that to this Landle, 1 Jan A eter, that o - care et enougher danch have for the have flering flessed Se ge all the terms at 16 des

"The Horsburgh Lighthouse" in the Straits Times and Singapore Journal of Commerce (28 May 1850)

STRAITS TIMES AND SINGAPORE JOURNAL OF COMMERCE. 1811.00 cavity prepared for its reception." The Inner Guard TO THE BOITON OF THE STRAITS TIMES Dophile pro-10 THE ROITON OF THE STRAITS TIMES. Dran Sin, + For the information of masters of vessela: leaving bls for China, I beg to send you the following notice of some suspicious junks? fill in with on the passage from Macko to Singspore: - May 15, at sun down; two junks were reported from the must head; one bearing East, the other N. E., the wind being then light and variable from E. S. E. At daylight on the 16th we desorted I'ulo Timoan bearing S. by W. dis-tant 40 miles; one of the junks had managed during the night to get to the southward of us, the other still knoping to the N. E. When dead to windward, the former goose winged his sails and bore right down upform in al then presented the Worshipfiel Master with a copi, and thea presented the Worshipfulf Master with a cop-per plata bearing fin following inscription: In the year of our Lord 1840 and In the lath year of the reggs of Comm of Ornol Britain and Ireland Common Marguese of Dalheists R. T. Being Gofernor Concel of Mille India: The Foundation Stone of the Light hears to be "grated an Federe France and deducted to the Identified an Federe France and deducted to the Identified an Federe Hause and deducted to the Identified an State State Britain fasts Unservent F the Bistoria Information fasts Unservent F the Bistoria State States the State State of Start States of the Concelose Bistoria, State Breihers of the Lodas Sciland in the East Xo. 76. In the presence of the Odvernor of the Bratis Bestiements, and many of the Billing and Freigen Evidence of Stagepore T. T. Torousaon scene o?. vessel. your reas miraloareer la I foci 175 810 you have ie pilot bute to th at the to whose fund raise ut their ae beiissues former goose winged his sails and bore right down up-on us, the wind freshouing from the B. E. Our Ship's ·0pe--on pe, ind wind treateding from the 5. B. Our Ship's guns, and small arms were inihodiately got randy i, when distant about one mile and bearing B. S. W., we beleted the English Ensign and fred a gun to looward; we then tacked and weathered the junk, passing within pistol, shot, but without anything ou-2551 4 whoels ch bad ist the I. T. Toomson ÷, ouring. The lunk was furnished with five surcens on the starboard side and a gruss number of shields. loating The inscription plate having also been pla-This junk then bore away to the northward .- Yours, ls now ced in the cavity, the Worshipful Master receiv-Ac, e dock N. HEOKFORD ep from the architect a silver trowel with some A most Commander Brig Ripsima Anna María. coment, with which he proceeded to close the -of the Singapore Roads, (cavity ; this having been done, and the stone lowig close May, 23rd. 1850. ared into its bed, ha directed the Architect to Southsee that it was properly adjusted. The Square, THE HORSBURGH LIGHT-HOUSE-The Hon'nds re-Leveland Plumb Rule were them handed to the ble the Governor, of the Straits Settlemant, Linut-. . . enant: Colonel W. J. Butterworth C, B, having Worshipful Master, who applied each instrument hail or requested the Breibren of "Lodge Zellend in sucessively to the stone, and having struck it ugh lbe the Bast No. 748 " to lay the Foundation Stone three times with his mallet, said: "May the Great will be of the Horsburgh Testimonial, or Light-House " Architect of the Universe grant a blessing on he land " this storie which we have now laid, and by for all Nations, wild the bonours of their craft, on the 24th met, -- the anniversary of Her Majestroh 9 " His Providence enable us to finish this and every "other virtuous andertaking," The Brethren replied "So mote it be and gave the usual ty's Birth-day,-the Worshipful Master and Bre-. مناطق المجرد : thren; of the above Lodge, in number about thir-Masonic salute. The Worshipful Master neft ty, accompanied by several visiting. Brethren. BRRE. started for Pedro Branca on the morning of the called for the cornucopia containing corn, and 7, 1860. 24th in the H. C's. steamer Hooghly and the the cups with the wine and oil, and having pour-barque Ayrahire, in tow of Her Majesty's steamer ed the contents of each successively over the Fury: Severel distinguished visitors, including stone, said ; "May the All'Bounteous Author of drew's " Nature bless our Island, of which this Bock "is a dependency, with Corn, Wine and Oil, and Japlain

His Excellency Rear Admiral Sir F. Austin C. B. Naval Commander-in-the and suite, the Honble Thomas Courch Rsqr. Lieut. Colonel Messister, several of the foreign Consuls, and Merchants of Singapore availed of Hig flonor the Go-vernor's invitation to witness the ceremony and accompanied him in the flonghty. The party arrived at Pedro Brancie Bout 111 hours A. M and having disembarked, the Masonic Body marched in the following order of Procession to the summit of the Rock .--й. 1

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11. "你是你的你们,你你 出现在,我们们 化 原本 网络	
Members of the Lodge out of Office	·
two and two. Cornucopia with Corn-	÷
Two cons with Wine and Oil	
Two cups with Wine and Oil The Wine berne by Evel, "O Cauve and the Oil by Bo. Generator The Wine berne by Evel," O Cauve and the Oil by Bo. Generator	
CARGE STREETING THA INSCRETCH Prime	
De Secretary Brother T. H. CAMPBELL	
bearing the Book of Constitutions on a silk cash The Treasurer Bio J. C. Smirn	ica
Dearing a price betraining Coins to be deposited in the Stone	
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12 4 DOTTE DT KINCHER H. KINGGARMA CAMPAN	· ~ ·
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honor of occupying the Master's chair. All present mus, regard it as a most auspicious event that this noble work has been herein on a d v held in

" with all the necessary comforts and conve-

ded "So mote it be Wand saluted as above.

The chaplain proneunced an appropriate prayer,

and the Worshipful Master then addressed the

Governor and gentlemen present in the following.

neat speech : It will be impossible, to convey to you in adequate, terms, the very high arms enternained by myself and breihren of the honor you have done us, in having thus publicly cilled upon us to easiet with our Ma-

sonic art in laying the foundation stone of the Light-

House, about to be constructed on this spot, in cour-memoration of the services of that distinguished Hy-

drographer, James Horsburgh, by whose enterprizing

series, and surpassing zeal, the navigation of these intricate seas, has been so greatly Tacifin ted. As a body we feel justly proud of the distinction thus conferred upon, us in having committed to our care,

the commencement of a work of such vast importance to every maritime nation in the world, and su perfect-

ly accordant with those principles of philanthropy which form the basis of our Ancient institutions; and

I shall ever esteem it one of the happiest circumstan-

ces of my-life that the Brethren of Ludge Zetland in

the East have been called upon to exercise their Graft

in so taudable and great in undertaking during the period that I enjoy, through their kind suffages, the

this day | Thanks rectors of the remain The me the Lightknowledge His compi sailing dir and devot pied gen meas the n own and this quer: and sokno the mesoa most his u ulmonial verse so to ravages of truction th ulght to to comm. a mire the g may have its erection The (Worth I than have beer esting ce: of Mason racterized the deens honored. The ki sons. hav **โอ่ไ** ไป be this day . amongst shall tak ing the S honesily the advar I shou tile comn ted to not for their monial, 1 Jardine, ! interest c ly guable Indig for responder ble Courl day bear other per: lost signt niostresp Esquire w ed the au soggestio gation of larged up body the hone ever

borne by the Wor. Past Master Bro. J. B. CUMMING Two cups with Wine and Oil The Wine borne by Bro. T. O. Cassend the Oil by Bro. Geterometers The Organist Bro. G. H. BBOWN The inner Guard Brother THO. HEWERSON bearing the Brocker THO. HEWERSON bearing the Book of Constitutions on a silk cushion The Secretary Brother T. H. CAMPBELL bearing the Book of Constitutions on a silk cushion The Transver Bro J. C. Shitth bearing a persona tableg coits to be deposited in the Stoay The Corinthian Light beare by Brother H. MUCHIM STRONS å m. ily; and rom ixer . J. Mr. nilo, The Cornetinan Light borne by Brother II, MINCIUM STRIONS frother W. PATRISON bearing the Mallet. The Junior Warden Bro. R. BAIN bearing the Plumb Rule , de Brother nolia the The Baner of the Lodge The Senior Worden Bro, J. JANVIR bearing the Level Chaplain Bro, the Rev. F. W. LIMSTEDT .ken bro--and The

bearing the Sacred Law on a cushion Jankor Deacon The Worshipfol Marker : Fenior Deacon bearing his Wand I Bro. B. P. Davissoor I bearing his Wand Having halted and formed a street for the Worshipful Master to pass through, the Chaplain, the Pastmaster with the cornucopia, the Senior and Junior Wardens, the Brethren with the wine and oil, and the Deacons with their wands followed the Worshipful Master to the Foundation-stone, where they were received by the Governor, who, in the following words, requested them to proceed at once with the ceremony:—

Worshipful Master and Gentlemen of the Lodge Zelland in the East .- I have solicited the favour of your laying, on this the anniversary of our beloved Queen's Birth-day, the foundation stone of the Light-house to be erected on this spot for the safety of the Mariner, and in commemoration of that celebrated bydrographer James Horsburgh F. R. S. to whose labours the mercantile, world is so much indebted for the easy pavigation of these seas. The philanthropic object of the building appears especially to call for the exercise of that craft which has charity and good will to all mankind as its ground work ; and it affords me deep and unfeigned gratification to see so large an -assembly of Masons here this day from the newly formed "Lodge Zetland in the East," at our little emporium Singapore, for the purpose of taking part in this day's ceremony, to which gentlemen I will thank you to proceed with the least practicable delay.

The Worshipful Master having taken up his position on the East side of the stone, with the Lodge Chaplain the Rev. Bro. F. W. Linstedt on his right, and on his left the Past Master with the Senior and Junior Wardens, Treasurer, Secretary and other Office Bearers immediately around him, requested the Chaplain to open the ceremony with prayer, which he did in a suitable and appropriate for m. The architect of the building, J. T. Thomson Esq. now submitted his plans of the construction for the Worshipful Mester's inspection, and having received his approval, they were returned to the architect for his guidance. The Worshipful Master received from the Treasurer and Secretary a Bottle containing the current Buglish coinage, also an original edition of Horsburgh Directory, a copy of the Straits Times, and the other publications al Singspore; bedeposited the bottle with the coins in the

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dy we feel justly proud of the distinction to a bifured upon us in having committed to our care, a commencement of a work of such vast impurances every maritime nation in the world, and so perfectaccordant with those principles of philanthropy the form the basis of our Auctent institutions; and shall ever esteem it one of the happiest circumstane of my life that the Brethren of Lodge Zeiland in o East have been called upon to exercise their Craft so inudable and great in undertaking during the mor of occupying the Masters chair.

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All present mus, regard it as a most anapicious event at this noble work thas been begun on a d y beld in e highest veneration by every strictsh subject, as being e anniversary of Her Most Gracious Mujesty's hirth y; and to you. Hon ble Sir, is the credit due of having locted this most fitting mode of testifying our byzito our belored sovereign on the occasion, what I feel sured could 'desire no greater and more pleasing proof our attachment to her royal person, than our being agged, as we are this day, laying the foundation of us fucture which will tend to promote the welfare of so any of hereiblicets. It would, perhaps, be no very ficult task to forence the extent a usefulares to the mmerce of our own country and to that of equally cilized powers; but when we contemplate its effect in fosring our intercourse with the semi-barbarous nations Eastern Asia which surround us, whose want of skill the art of navigation render them so frequently a sterially to restrict their advancement, we shall be lost a maze of conjecture and surmise.

La maze of conjecture and surmise. The dianstrous effects resulting from the absence of a light-House, in this locality, in the loss of human fo and the extensive destruction of property, have been to frequently and too severely felt within late years not by render it a matter of the deepest concern to all who cellan interest in the prosperity of commerce and the effare of their fellow creatures that this work, which, uner your auspices we have now so thappily begun, should ave been so long deferred. I should therefore be doing ou a great injustice, were I to refrain from noticing how nuch the world is indebied to you, thin ble Sir, for haion, which but for your unchang and strengous advoacy of the cause, might have still been protranted to an adefinite period. Not can I perhit this opportunity pescape me of offering you my most hearly congratulations hat your rule, should career as the chief authority o the improvement and embellishment of the extilements and ry of the trained and useful career as the chief authority of the improvement and embellishment of the extilements does not held held the reflect everlasting coner on yourself.

The sliver pletze were, a Grown, half crown, shilling, sizpence, eony, half penny, farthing, rupee, half and quarter rupe: the copper binstomalited of a penny, half penny, farthing, sizhthi, and duteen th f a phanor, Anny, half and quarter: cerd, half ind quarter test. The following statement of the trade was also deposited in the cavity-The Trade for the year 1840-49 of Prince of Water Hand, Singapore and Makeoka, "gargerguid the sum of Company's Papeer 45,956,127 in ferthandize and Company's Eugets 12,184,373 in Builton and Treasury, making a Grahd, Totai of Si,111,038 Rupess (azclaive of the Trade uswern the thread Hetlemonts) as follows:

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cavity prepared for its reception,* The Inder Guard then presented the Worshipfor Master with a cop-

J. T. Themson

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The inscription plate having also been placed in the cavity, the Worshipful Master receivep from the architect a silver trowel with some coment, with which he proceeded to close the cavity ; this having been done, and the stone low-ered into its bed, he directed the Architect to see that it was properly adjusted. The Square, Loveland Plucib Rule were them handed to the Worshipful Master, who applied each instrument successively to the stone, and having struck it three times with his mallet, said: "May the Great " Architect of the Universe grant a blessing on " this stone which we have now laid, and by " His Providence enable us to finish this and every " other virtuous undertaking," The Brethren replied So-mole it be and gave the usual Masonic salute. The Worshipful Master next called for the cornucopia containing corn, and the cups with the wine and oil, and having poured the contents of each successively over the stone, said : " May the All Bounteous Author of " Nature bless our Island, of which this Rock " is a dependency, with Corn, Wine and Oil, and " with all the necessary comforts and conve-" niences of life." The Brethren again responded "So mote it he and saluted as above. The chaplain proneunced an appropriate prayer, and the Worshipful Master then addressed the Governor and gentlemen present in the follo wing.

neat speech : It will be impossible, to convey to you in adequate terms, the very high a files entertained by myself and brethren of the bonn you have done us, in having thus publicly cilled upon us to easist with our bia-sonic art, in laying the foundation stope of the Light-House, about to be constructed on this spot, in commemoration of the constructed on this spot, in com-memoration of the cervices of that distinguished Hy-drographer, James Horsburgh, by others enterprizing genus, and surpassing zeal, the navigation of these-intricate seas, has been so greatly facilitated. As a body we feel, justly proud of the distinction thus configured upon us in having committed to our eare, the commencement of a work of back way the commencement of a work of such vast importance to every maritime nation in the world, and so perfectly accordant with those principles of philauthropy which form the basis of our Ancient institutions; and Lahall ever esteem it one of the happiest circumstan-ces of my life that the Brethren of Ludge Zetland in the East have been called upon to exercise their Graft in so laudable and great an undertaking during the pariod that I enjoy, through their kind suffages, the honor of occupying the Master's chair.

All present mus, regard it as a most auspicious event that this moble work has been begun on a d.y held in the highest repairies he seem writeh without - heing

Doubtless the recollection of this day's proceedings will orminaties years, when you may be removed from the scene of your present labours, hot the least pleasing of your scientifications, and that you may long live to enjoy the countemplation of your past useful and honorage

arter is my sincere wish. I feel that I should ill acquit myself of the task you have assigned me were I to emit to pay a just tri-bute to the munificence of those merchants and mariners o where liberally we are industed for the nucleus of the und raised for the steation of the edifice of which we have ble day taid the foundation stone

Thanks are also due to the Hon'ble the Court of Di-cotors of the East India Company for having advanced be remaining sum necessary to officet this desizable object The merits of the dislinguished man to whose memory ha Light-House is to be declicated, ara the universally ar-mowindged, to need any length and panagyris on my part discomprehensive charts, and clubter is and invaluable alling directions, the labor of years of untiring exercion ind doublin, stamp him as a man of almost unexan-led goulus and industry. To the naviga or of these ess the name of floreburgh is almost as familiar as his own, and among thisso who are sugaged in source roo in his querter of the Globe, who is there that does not fact nd soknowinings the deepest debt of gratitude to lifm. 'Fu he memory of one so devutes to the cause in which al-nost his whole use spant, what more appropriate tesmonial coul, be offered than the edifice new to be erect. I. And I supplicate the Supreme Architect of the Unierse so to bleas the work that it may long withstand the avages of time, and bid defiance to the billows of des-ruction that surround it, to be a tower by day and a light by light to guide the miriner in his course for 4214 o come, and that succeeding generations, whilst they ad-pire the genins of bim to whose memory it is raised. hay have cause to regard with gratitude those to whom ts erection is due.

The Governor replied as follows :---

Worshipful Master and Gentlemen of the Lodge Zotland in the East.

I thank you for the able manner in which you inve been pleased to perform this day's most intersting ceremony. I have ever honored the Crife f Masonry and the solemnity which has chaacterized this day's proceedings has made my feel he deepest respect for what I had previously honored.

The kind terms in which you, Gentlemen Maons, have been pleased to speak of myself cannot ail to be deeply gratifying ; and what has present his day will indeed have a most prominent place mongst the many pleasing recollections which I hall take with me to my native land, when leavng the Straits, where, I may fully say, I have nonextly labored to the utmost of my ability for he advancement of the three stations.

I should be wanting in justice to the mercanile community and mariners in China if I omited to notice what you mention of their liberality, or their douations towards the Horsburgh testinonial, magnified by the munificence of Mesera. ardine, Matheson and Co. in allowing compound ntérest on the sum raised in 1842, most certain-

y emobled me to call upon the Government-ofesponded to and largerably received for the line from the former of Directors, as our presence here this ay bears evidence. But, gentlemen, mereis om ther person whose zeal in this cause must not be ost sight of. I allude to one of the oldest and nost respected Residents in Singapore, John Purvis Esquire who has narrowly watched & earnestly aidd the authorities on this occasion, and whose able oggestions for the more safe and speedy naviation of the Straits of Malacca, subsequently enarged upon and recommended by that excellent ody the Singapore Chamber of Commerce, I ope eventually may be carried into effect.

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All present mus repard it as a most auspicions event that this noble work that been begun on a d 7 held in the highest veneration by every British subject, as being the anniversary of Her Most Gracious Majesty's Birth day; and torpin. Hon ble Sir, is the credit due of having selected this must fitting mode of testifying our loyal-ty to our betweet everyign on the occasion, who i feel ty to our beloved sovereign on the occasion, who I frei-assured could desire no greater and more pleasing proof of our attachment to her royal person; than our being engaged, as we are this day, laying the foundation of a structure. which will tend to promote the welfare of so many of hereinbjects. It would, perhaps, he no very difficult task to foresee the extent o, unefulness to the commerce of our own country and to fait of equally ci-villized powers; but when we contemplate its effect in fos-tering our intercourse with the semi-harbarous nations tering our intercourse with the semi-barbarous nations of Eustern Asia which surround as, whose want of skill in the art of navigation renders them "so, frequently a proy to the mysteries of the mighty deep, and tends so materially to restrict their advancement, we shall be lost in a maze of conjecture and surmise

materially to restrict their advancements, we amine the absence of a The disastrous effects resulting from the absence of a Light-House, in this locality, in the loss of human life and the stensive destruction of property, have been too frequently and too soverely felt within late years not to requently and too soverely felt within late years not to render it a matter of the deepest concern to all who feel an interest in the prosperity of commerce and the welfare of their fellow creatures that this work, which, upwelfare of their fellow creatures that this work, which, un-der your auspices we have now so thappily begun, should have been so long deferred. I should therefore be doing you a great injustice, were I to refrain from noticing how much the world is indebted to you. Han be Sir, for ha-ving brought the necessary, arringements to a couldn-sion, which but for your incessing and streamous advo-cacy of the cause, might have still been protracted to an indefinite period. Not can I permit this opportunity to escape me of othering you in most hearty congristigations what your long and useful career as the chief authority in the Straifs of Malaces, which has fended so much to the improvement and embellishment of the settlements to the improvement and embellishment of the settlements under your rule, should be crowned by a labor calculated to be an era in their history, and to reflect everlasting honor on yourself.

The allow ploces were, a²Crawn, half moure; shilling, tirpenso, penny, half penny, farihing, rupes, half and marrier rupes; the copper coinshondisted off, penny, taif penny, farihing, ethilar, and allowith of a Phyny, Anny, half and quarrier; cent, half and quarrier cent. "The Tribe fur the year 1846-49 of Prince of Wales Island, Bingapore and Malcock, aggressid the sum of Dompany 'Pupper allowing in the Rechangland in The State of 111(29) Barjees (racinities of the Trains tween the Given by the following: Thing, Tain Bellow and Thessarr, making a Grabo, Total of 61 (11(29) Barjees (racinities of the Trains between the Given by the following: P. w Labout the State of 100 (11) and following: P. w Labout 100 (11) and following Barjees 2007 (100 (11) (200) 416 Singapore 2000 (100 21 (10) (200) 416 Singapore 2000 (100 21 (10) (200) 416 Singapore 2000 (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 21 (10) (200) (100 2

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W. J. BUTTER WORTH Governor, of I. W. Island "Hingspury and Maiscon Hillory, I. Company Organization filling, I. Company Organization into company of Langtonian O 122 N.B. Competer ginerat Fative Int actines. tativy tradit (the command of the lot, R. 1. 1567 decrifted. ö Q-0 1

10000 other person whose zeal in this cause must not be lost sight of. I allude to one of the oldest and most respected Residents in Singspore, John Purvis Require who has narrowly watched & earnestly aided the authorities on this occasion, and whose ably suggestions for the more safe and speedy unvigation of the Straits of Malacca, subsequently enlarged upon and recommended by that excellent body the Singapore Chamber of Commerce, I hope eventually may be carried into effect.

Gentlemen, I entrust the completion of the building, of which you have now laid the foundation stone, to that valuable and indefatigable public servant and able architect, Mr. Thomson, with the utmost confidence, and I again thruk you must sincerely for the labors of this day and for the impressive manner in which you have exercised your Masonic Craft on the occasion, accompanied by the warmest expressions of loyally to our most Gracious Majesty Queen, Victoria, who whilst some of the greatest Potentales of the Barth have either fallen from or intered o. their Thrones, has remained firmly seated, sup ported solely by the affections of her people-anhow far spread and deep rooted are those affec tions the sentiments promutgated by the little Band here collected on this isolated apor will still further testify to the World at large. Let us nov unite in three hearty cheers to the health, prosperity & long continued reign of our Queen, God bles her!

Brethren then opened a passage to The allow the Governor to return, and the Party embarked at 2P. M. on board the Hooghly, where a most sumptuous, dejeuner was prepared, to which His, Excellency the Naval commander-inchief, the Governor and his guests did amph justice, displaying their loyal attachment to our beloyed sovereign and acknowledging the kindliness of their host by enthusiastic acclamations. Her Majesty's Steamer Fury took the Hooghly and Ayrshire in tow, and in the dashing high service like character of that ship, brough both vessels-into-Harbour by half past six in the evening, after, as we assured, a most delightful and pleasant excursion, the felicity of which was beightened not only by the benevalert ob ject they had compassed but by the hearty co operation and aid afforded by His Excellency th Naval Commander-in-chief, and the gallant Com mander of the Pury.

SINGAPORE REVENUE RETURNS .--- We at indebted to the courtesy of the Hon'ble the Re sident Councillor for an abstract of the receipand disbursements at Singapore for the officia year 1819-50. We have no time to set th whole up in type for our present issue, but wi endeavour to do se next week. In the mean time we may state that the sums total are the stated ;---

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y prepared for its reception." The Inder Guard presented the Worshipful Master with a cop-

I. T. Thomson Architeot.

be inteription plate having also been plain the cavity, the Worshipful Master receivrom, the architect, a sliver trowel with some ant, with which he proceeded to close the y; this having been done, and the stone lowinto its bed, he directed the Architect to that it was properly adjusted. The Square, stand Plumb Rule were them handed to the shipful Master, who applied each instrument ssively to the stone, and having struck it a times with his mallet, said: "May the Great rchilect of the Universe grant a blessing on is stone which we have now laid, and by is Providence enable us to finish this and every hor virtuous undertaking," The Brethren od So-mole it be and gave-the usual onic salute. The Worshipful Master next d for the cornucopia containing corn, apd cups with the wine and oil, and having pourthe contents of cach successively over the e, said : " May the All Bounteons Author of ature bless our Island, of which this Rock a dependency, with Corn, Wine and Oil, and ith all the necessary comforts and conve-ences of life." The Brethren again respon-

"So mole it be and saluted as above chaplain proneunced an appropriate prayer, the Worshipful Master then addressed the ernor and gentlemen present in the following.

speech : will be impossible to convey to you in adequate s, the very high office enternained by myself and tren of the bonor you have done us; in having publicly called upor us to assist with our Ma-: art, in laying the foundation stone of the Lightse, about to be constructed on this shot, in com-oration of the services of the distinguished Hyvalue, James Horsburgh, by whose enterprizing is, and surpassing zeal, the navigation of these seas, has been so greatly failfulted. As a we feel justly proud of the distinction thus irred upon us in kaving committed to our care, ommencement of a work of such vast importance ery maritime nation in the world, and so perfectcoordant with those principles of philanthropy h form the basis of our Ancient institutions; and dl ever esteem it ope of the happiest circumstan-if my life that the Brethren of Lodge Zetland in last have been called upon to exercise their Oraft isudable and great an undertaking during the d that I enjoy, through their kind suffages, the f of occupying the Master's chair,

. present mus, regard it as a most auspicious event his mble.work has been begun on a d y held in isbast consention be anot privite balance balance

Doubiless the recollection of this day's proceedings will form in after years, when you may be removed from the scepe of your present labours, bot the least pleasing of your remainscences, and that you may long five to enjoy source is and the set useful and honora is a set useful and honora is career is mj since wish.

you have assigned me were I to omit to pay a just tri-bute to the munifirence of those merchants and mariners to whose liberalty we are indebted for the nucleus of the fund raised for the steetion of the solfice of which we have the day laid the foundation stone.

this day taid the roundation story. Thanks are size due to the Hoh'bie the Court of Di-rectors of the East India Company for having advanced the remaining sum necessary to officit this desirable object. The merits of the distinguished must be whose memory The merice of the distinguished main to whose memory the Light-House is to be dedicated, are the universally ar-knowledged, to need any long then ad ponegyrie an my part. His comprehensive charts, and charocate and involution-salling directions, the labor of years of untiring exertion and devotion, stamp him as a man of aimest unexam-pled gendus and industry. To the navigator of these seas the name of floreburgh is simplet as smaller as his own, and smong these who are engaged in consurce in this querier of the Globo, who is there that does not feel and scheme the deeman debt of grafting the flore. and soknow sige the deepast debt of gratitude to him. In the memory of one so devotes to the cause in which si-most his whole its was spont, what more appropriate tes-timotial couls to effered than the edition new to be erect-ed. And I supplicate the Supreme Architect of the Uni-persities to black the work then the supreme Architect of verse is to bless the work that it may long withstand the ravages of time, and bid deflance to the billows of dentruction that surround it, to be a tower by day and a light by night to guide the miriner in his course for age. mynt to genue the miriner in his course for ages to come, and that succeeding generations, whilst they ad-mire the genius of him to whose memory it is raised. may have cause to regard with gratitude thuse to whole its erection ladua.

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I should be wanting in justice to the mercantile community and mariners in China if I omitted to notice what you mention of their liberality, for their douations towards the Horsburgh testimonial, magnified by the munificence of Messra. Jardine, Matheson and Co. in allowing compound interest on the sum raised in 1842, most certainly mobiled me to call upon the Government-ot-Indivior and in this matter. The call was readily responded up and invariably received in the Hon J ble Court, of Directors, as our presence here this day bears guidence. But, gentlender, there is one other person whose zeal in this cause must not be lost sight of. I allude to one of the oldest and most respected Residents in Singspore, John Purvis Esquire who has narrowly watched & earnestly aid. ed the authorities on this occasion, and whose able soggestions for the more safe and speedy navigation of the Straim of Malacca, subsequently enlarged upon and recommended by that excellent body the Singapore Chamber of Commerce, I hope eventually may be carried into effect.

confirmed upon us in having commuted to our care, the commencement of a work of such vast importance to every maritime nation in the world, and so perfectly accordant with those principles of philanih opy which form the basis of our Ancient institutions; and I shall over esteem it one of the happiest circumstances of my-life that the Brethreu of Lodge Zetland in the East have been called upon to exercise their Craft in so laudable and great an undertaking during the period that I enjoy, through their kind suffages, the honor of occupying the Muster's chair.

All present mus, regard it as a most auspicious event that this noble work has been begun on a d y held in the highest venerallon by every British subject, as being the anniversary of Her Most Gracious Majesty's Birth day; and to you. Hon ble Sir, is the credit due of having selected this must fitting mode of testifying our loyal-ty to our beloved sovereign on the occasion, who I feel ty to our belowed sovereign on the occasion, which here assured could desire no greater and more pleasing proof of our attachment to her royal person; than our being engaged, as we are this day, laying the foundation of a structure which will tend to promote the welfare of so many of hereighbicets. It would, perhaps, be no very difficult task will foreace the extent o, usefulness to the commerce of our own country and to that of equally ci-vilized powers; but when we contemplate its effect in fosvilited powers; but when we contemplate its effect in lostering our intercourse with the semi-barbarous nations of Eastern Asia which surround us, whose want of skill in the art of navigation render: them iso frequently a prey to the mysteries of the mighty deep, and tends so materially to restrict their advancement, we shall be last in a maze of conjecture and surmise.

The disastrous effects resulting from the absence of a Light-House, in this locality, in the loss of human life and the extensive destruction of property, have been too frequently and too severely felt within late years not to render it a matter of the deepest concern to all who feel an interest in the prosperity of commerce and the matter of the the third work which ma feel an interest in the prosperity of commerce and the welfare of their follow creatures that this work, which un-der your auspices we have now so happily begun, should have been so long deferred. I should therefore be doing you a great injustice, were I to refrain from noticing how much the world is indebted to you. Hon bits it, for ha-ving brought the necessary arringeneits to a couldi-sion, which lust for your uncessing and stream is advised cacy of the cause, might have still been protricted to an indefinite period. Not can I permit this opportunity to escape me of offering you may most heavy congratulations that your long that useful career as the chief a uthority to be an erain their history, and to reflect everlasting honor on yourself.

The sliver ploces were, a Crown, buf rrown, shilling, sizpenion, penty, half penny, faithing, rupes, half and number rupes : the copper isolar ponsisted of a penny, balf penny, farthing, sighthic, and distant of a phony, Anni, half and quarter : cost, half and quarter cent. - The Allowing statestored of the rude was also deposited in the carity -- The Tring for the year 1840-49 of Prices of Wales listand, Singapore and Malcosh, aggregatic the sum of Dompeny * Rupese (3878), 110 Herchandlas and Company & Bupris 17,104,573 in Bellion and Treesure, Imaling & Grabb, Total of 61,121,039 Rupese (scillar on the Trade De-tween the three distinguisment

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Sith April 1650) W. J. BUTTER WORTH Governor of E. W. Island "Bingapore and Malarca Prophysics of the second stilling," and Malarca prophysics of the second stilling of the second stilling regiment Native listing under the second of Jeritanau Co The Moster Listing under the second of Jeritanau Co The Moster Listing under the second of Jeritanau Co Second Science Listing under the second of the second states Second Science Listing under the second states of the second states Second Science Listing and the second states of the second states and the second states of the second state

other person whose zeal in this cause must not be lost sight of. I allude to one of the oldest and most respected Residents in Singapore, John Purvis Esquire who has narrowly watched & earnestly aided the authorities on this occasion, and whose able suggestions for the more safe and speedy mavigation of the Straits of Malacca, subsequently enlarged upon and recommended by that excellent body the Singapore Chamber of Commerce, I hope eventually may be carried into effect.

Gentlemen, I entrust the completion of the building, of which you have now laid the foundation stone, to that valuable and indefatigable public servant and able architect, Mr. Thomson, with the utmost confidence, and I again thruk you must sincerely for the labors of this day and for the impressive manner in which you have exercised your Masonic Craft on the occasion, accompanied by the warmest expressions of loyally to our most Gracious Majesty Queen. Victoria, who. whilst some of the greatest Potchtates of the Barth have either fallen from or tottered on their Thrones, has remained firmly seated, supported solely by the affections of her people-and how far spread and deep rooted are those affections the sentiments promutgated by the little Band here collected on this isolated spot will still further testify to the World at large. Let us now unite in three hearty cheers to the health, prosperity & long continued reign of our Queen, God bless her!

Brethren then opened a passage to The allow the Governor to return, and the Party embarked at 2P. M. on board the Hooghly, where a most sumptuous dejeuner was prepared, to which His Excellency the Naval commander-inchief, the Governor and his guests did ample justice, displaying their loyal attachment to our beloved sovereign and acknowledging the kindliness of their host by enthusiastic acclamations. Her Majesty's Steamer Fury took the Hooghly and Ayrshire in tow, and in the dashing high service like character of that ship, brought both vessels into Harbour by ball past six m the evening, after, as we assured, a most delightful and pleasant excursion, the felicity of which was heightened not only by the benevolert object they had compassed but by the hearty ccoperation and aid offorded by His Excellency the Naval Commander-in-chief, and the gallant Commander of the Fury. #

indebted to the courtesy of the Hon'ble the Resident Conneillor for an abstract of the receipts and disbursements at Singapore for the official year 1819-50. We have no lime to set the whole up in type for our present issue, but will endeavour is do so next week. In the meantime we may state that the sums total are thus stated :---÷.

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Total Re	ceipls	Rs. 386,119
	genditure	258,332
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Annex 46

Letter from the Court of Directors of the East India Company to the Marine Department of the Government of Bengal dated 18 Sep 1850 Date

: 18 Sep 1850

18th September (No 31) 1850

Bengal

Marine Department

Para 1 In your letter No. 13 of the 30th March last, acquainting us with the preparations made under your authority, for the construction of the Horsburgh Light House on the Island of Pedra Branca, we are informed that an agreement had been made with a Chinese contractor for the commencement of the building early in March last under the Superintendence of the Government Surveyor, Mr. Thomson, whose qualifications are represented to be such as to justify the hope that the work will be conducted rapidly to a satisfactory termination.

2. We cannot comply with the desire of the Committee of the Chamber of Commerce at Singapore, that the repayment of the sums to be advanced from the public treasury towards the expenses of the Lighthouse may be extended over a series of years. It is the wish of the Committee that, part of the produce of the proposed tonnage duty* on shipping should be available for the establishment of two other lights in the neighbourhood of Singapore, but we must decline to accede to any such proposition until the Pedra Branca Lighthouse shall have been completed; We shall require the debt incurred on account of that lighthouse to be entirely liquidated before any part of the surplus dues is appropriated to any other purpose.

*21/2 Dollars per 100 tons 3. The letter mentioned by you as having been addressed by the Governor of the Straits Settlements to our Secretary has been received, but we deferred taking any steps in consequence, until the communication should reach us in the regular course through the medium of your Government. It appears by the papers transmitted by Colonel Butterworth that Mr. Allan Stevenson, Engineer to the Commissioners of the Northern Lights, has been selected by Mr. Thomson to superintend the construction of the lanterns, lamps and machinery, for the Horsburgh Light house, also that the amount determined upon for the Lights &ca is £1500; and, on the ground of the difficulty, risk, and expense of negotiating through the houses of agency in the Straits Settlements. Colonel Butterworth has preferred the request that we will advance to Mr. Stevenson such sums as he may require for the provision of the articles in question; not having been parties to these arrangements, we should have preferred the adoption by Colonel Butterworth of the alternative suggested by himself, namely that he should remit the necessary advances to Mr. Stevenson either by Navy or Labuan Government Bills; under all the circumstances however we shall not now object to make advances from our Treasury to Mr. Stevenson not exceeding the £1500 upon production of proper vouchers from Mr. Thomson or the local authority by whom he is instructed.

4. You will communicate the substance of this Despatch to Colonel Butterworth, and at the same time acquaint him that it is our particular desire that he should exercise a vigilant control over the expenditure on account of the undertaking which we wish to be kept as nearly as possible to the amount of the original estimate.

353

London 18th September 1850 We are Your loving friends (Signed) John Shepherd J. W. Hogg W. Wigram J. L. Lushington Russell Ellice W, B. Bayley E. Macnaghten J. Petty Muspratt J. Masterman J.A. Moore J. Oliphant W. H. Sykes Henry Willock H. Alexander

67*0:* 459. 18 - September (18.31) 18.50. Bengal Marine Departme Marchi. 1 Coll: Down I. In your letter Ro 13 of the 30. " March lash, aconamitino as arte the prisaiations make under in antionity , for the construction of the Morsburgh Tight -House on the seland of Will (mmitter) " Pedro Brancas his are Mayne 4850 3 informed that an agreement and Min 25 hugent 130 been made site a Chinese Contractor in the commencement de of the milding carely ai Said before Const March last under the apper found they Supermetendence of the --Concomment carreyor, elli homion, whose qualifications are represented to be such as to justify the Lope that the and sill be Conducted saridly to a Latineton Commination .hE

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Bengal Marine 18th September, (A: 31) 1850. 463, as possible to the amount of the original Estimate .-(1)]] Ald 1011 Jondon 18ª September 1850 M are Jour loving friends (Jyned) John Shepherd I'M. Alogg M. Wisham Id dushington Russell Ellice MB Bayley E Macrighten SPetty Muspratt Illasterman Fallone Joliphant M. H. Jyked Henry Willock Ho allegander

Annex 47

Letter from Thomson J.T. (Government Surveyor at Singapore) to Church T. (Resident Councillor at Singapore) dated 2 Nov 1850 No. 28

To,

The Hon'ble

Thomas Church Esq Resident Councillor

Sir,

On the completion of this Season's operations at the Horsburgh Lighthouse now in the course of erection on Pedra Branca and do myself the honor of reporting thereon to you for the information of Government.

It will not I presume be necessary for me at this stage of the works to trespass on your time and attention in detailing the obstacles and difficulties encountered during the progress of this unusual engineering undertaking in which I and my assistants have been engaged. I will therefore merely confine myself to laying before you a Statement of the work executed and what it is proposed to be done next Season for completing the whole.

The Masonry of the building has nearly been finished. This places the early and successful completion of the remainder beyond a doubt. The highest course laid is 80 feet above the level of high water, Spring Tides – 59 feet above the first entire course of masonry and 64½ feet above the lowest stone in the foundation. 11½ feet in height remain to complete the total elevation of the tower - which will be 91½ feet above N W Sp Tides. The original proposed height was 90 feet but 1½ feet will unavoidably have to be added to the height of the Light room wall to conform to the plans of the Lighting apparatus designed by Mess^r Stevenson of Edinburgh.

The total sum expended on the works (exclusive of superintendence) this season amounts at this date to the sum of 9061 Sp. Drs. 23 Cents and the following is an estimate of the probable Cost of the remainder.

and Light room wall1200do of out offices180Granite pavement to rooms250Labour in erecting do300Tackle and machinery100Windows doors stairs and all fixtures including100labor500Temporary houses for workmen100Hoisting and placing lantern and setting up200Lamp Machinery200Repairs to Tonkangs100Pay of her Crew for 3 months1922 Iron Rings let into Masonry30Nails baskets saws chisels hammers and other1008 barrels cement64Cash Keeper and watchmen 10 mos150Amount already expended3812.60Amount already expended0061.23Total12873.83	Ashlar stone work of Capital including parapet	
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Amount already expended 3812.60 9061.23	Contingencies and unforeseen expenses 10%	346.60
,	-	3812.60
	Amount already expended	9061.23
	· · ·	12873.83

The original Estimate amounted to 13, 101 Sp Dollars 78 cts it may therefore with confidence be anticipated that the work according to the original plans and specifications – if not somewhat less in Cost will not be exceeded.

The sum expended for superintendence amounts to 527\$22 – 454\$50 having been paid to Mr Bennett the foreman for 10 months services at 100 Rs and 72\$72 to the temporary extra foreman Mr Lewis at Pulo Ubin for 1 month and 20 days. The anticipated remaining Cost on this head will be

My own deputation allowance for 2 years @	
150 Rs	1636.08
Mr. Bennett's salary for 1 year @ 150 "	818.04
Mr Lewis do for 1 month at 100 "	45.45
My table allowance when on board the	
"Hooghly"	227.25_
	2726.72
Amount already expended	527.22
Total Sp Drs	3253.94

Adding the Cost of works to the Cost of superintendence the total anticipated Cost of works already sanctioned (exclusive of lantern and machinery) will be 16, 127 Sp Dollars 77 cts.

The experience of a season's operations at the work has shown me the necessity of some additions to the original plan which I could not possibly have anticipated as being required for the comfort and safety of the light keepers having only had prior to the commencement of operation a few cursory visits when any peculiarities in the formation of the rock did not strike me as being possible to be taken advantage of also the action of the waves around the rock have proved considerably different to what I had expected. The arrangements that I had designed for the landing have thereby proved ineffectual.

The first addition I would humbly proposed is a platform of stone 18 feet by 20 feet to be constructed near the entrance to the light house where stores and water could be laid preparatory to their being hoisted into the building. The rock being rugged and uneven makes the construction of a platform extremely desirable.

The second addition I would propose tho' not necessary, I feel convinced will meet your ready sanction is in having a small garden - which it happens can easily be made in a gully between two of the highest rocks. The size will be in miniature only 14 feet by 20 feet but the recreation and occupation of mind not to say relief to the eye by giving it something green to

rest upon in the surrounding expanse of sea will I hope be accorded to the solitary beings that will tenant the rock.

The third is in a new landing place to be cut out of the north east rock. This I find is the only place that a landing can be effected during the strength of the South West Moonsoon. In the light where I had made the present landing stairs the influx and reflux of the Sea is so great that unless in calm weather it is unapproachable.

The fourth is for channels for collecting rain water. The utility of this I need hardly dilate upon.

And the last in the construction of a wooden pier of the best timber on the south side of the rock so that by its means a landing may be effected during calmer days of the North East monsoon – its mode of construction cannot yet be determined upon until I have an opportunity of viewing the force and play of the waves rained the rock during the strongest part of the NE monsoon for which purpose it would be of great consequence that I frequently visit the rock in these coming months.

The following is the probable cost of the above additions.

Platform	388
Garden	86
Landing place	100
Channels to catch rain water	50
Wooden pier on south of rock	200 <u>-</u>
1	824
Contingencies and unforeseen expenses 10%	82.40
Sp. dollars	906.40

I would humbly solicit the early decision of Gov^t regarding these additions as in order to have them finished in good time next year. The stone part should at once be commenced upon at Pulo Ubin. If these additions be sanctioned they will render the works at the rock as complete as could be desired. The construction of proper landing places as experience of the action of the waves have pointed out in the passed SW monsoon and will point out in this coming

NE monsoon, I conceive, will be a great desideratum to obtain, and they will obviate much expense trouble and accidents in future times and they cannot be more easily and unexpensively executed, than while the other works are progressing. These will complete the permanent works.

11

I would next beg your kind attention to the furniture and moveable articles which tho not in the original estimate are essential to the completion of arrangements for showing the light and the works could not be handed over with safety by me to the functionary who will be intrusted with the maintenance of the light, until everything has been satisfactorily put into regular routine. I can scarcely anticipate every minute article that will be required but will enumerate the following articles and fittings which I think will include nearly the whole

1 Clock	30	bro ^t forward	192.00
1 Argand Lamp	10	20 water barrels	100. – –
3 Hanging	9	6 brass wash basons	12. - -
Tackle for heaving up		1 Boat	90
provisions	100	Davits for do	40
9 bed steads	27	8 chairs	8. - -
1 Telescope	16	3 Tables	12
over	192		454
		Contingencies 10%	45.40
		Sp ^h Dollars	499.40

Regarding the requisite Establishment of Keepers &ca I did myself the honor to offer some suggestions in my letter No. 20 of 1848. In that I proposed that the gunboat should be charged with the duty of carrying out stores and provisions and that 3 Europeans and 3 natives should be employed to watch the light. Subsequent experience and close attention to the subject which I then had not had opportunity to obtain have considerably modified my opinions. I therefore now take this opportunity to lay before Government the alterations that I would humbly suggest in this department with such information as bears on the point. The objections that occur to me against the former proposed arrangements are in the smallness of the party of Keepers left on so solitary and distant a position without protection at hand. And the great length of time they would be debarred communication in case of

greatest case is taken that the Keepers should never be debarred from communication with the shore. Thus the Bell rock light house has its shore station 12 miles distant at Arbroath where a party is always on the watch for the signal from the lighthouse denoting that communication is required, where a vessel that is kept solely to tend that light house immediately puts to sea. The same is the case at Skerryrore(Sic) and I believe at every other lighthouse of kindred nature - Such as the Eddystone Tuscar, Carlingford, Naplin and one or two others. The Horsburgh lighthouse which is as distant as any of these from the nearest shore namely 10 English miles, on a rock as barren, situated in a position most important to the valuable trade of the East where cargoes of the richest and vessels of the largest and most valuable will depend for their safety on the uninterrupted showing of the light. I trust that it will appear to Gov^t, should have all the care and attention paid it that such structures have in the mother Country. The employment of a larger body of men at the lighthouse on another account which does not exist on British Shores is in the number of Pirates that continually infest these Seas. I need hardly recall the many instances that occur to prove the extent of Piracy. I may mention one in the plunder of the town and the capture of the inhabitants of Singkil by the Lanuns two years ago, a place situated only 90 miles from Singapore. It may be true that the building as constructed would hold out against most of the piratical vessels that would attempt to molest it if they should be so inclined, but I would humbly suggest that means should be taken to prevent altogether such an occurrence. Point Romania the nearest land to Pedra Branca is the best situated for such a station as are always attached to the British Light houses, it is also the point most notorious for the piracies committed in its proximity and consequently the most dreaded by native traders. The fact that as piracies have been committed at the spot this year where one or the other of the Gunboats was always stationed, strongly convinces me that a station there would be eminently subservient to two purposes viz the protection of the native trade from pirates and the tending of the Lighthouse. Were I not aware from previous conversations with you that there are insuperable objections to erecting a station there, I would have

earnestly recommended to your favorable consideration the erection of a

sickness or accidents to any of them. In similar situations in Britain the

station on that point in which an armed party of not less than 14 men and two boats could be placed, one a fast pulling boat for in shore duty and the other a safe built boat for Sea duty. Here a constant watch could be maintained on the lighthouse and their rapid presence could be had at the rock in case of need. If such an arrangement could be made I would not advise more than 3 men being stationed at the light house at one time viz 1 European and 2 natives which would render a total establishment of 2 Europeans and 3 natives sufficient. The Europeans changing duty monthly and the natives every two months by turns in having a small establishment at the rock a great desideratum is gained in the small quantity of water and provision required to be sent out. In case of this arrangement being found inadmissible as the next best course, I would humbly propose that a Gunboat be always stationed at Point Romania, and in case of her absence to be relieved by another, but in case of the absence of both - a boats crew of 6 men to be left with the light keepers who would thus form a party that would prevent the risk of any molestation. The lighthouse boat of course would be there to carry off the 6 men in case of necessity, such as the want of water and provisions. The third and last proposal that I would trespass on your consideration, should the other two be found impracticable, is in the augmenting the party at the rock to 1 European and 8 natives, 2 of the latter would be light keepers and the others to form a boat's crew for a boat which should always be hoisted upon the rock this would render a total establishment of 2 Europeans and 12 natives necessary the former to change monthly and the latter every two months - but a serious objection against this proposal is in the large quantity of water and provisions that would be required - but it appears to me to be the smallest scale that could safely be maintained to carry out the permanent object of the service, viz the steady maintenance of the light where once shown, under this arrangement it would be only necessary for the Gunboat or Steamer to carry out provisions and water monthly to the rock and for the changing of the watches.

Where the lantern is to be of valuable metal and the lamps and reflectors to be of the finest and latest improved construction, in which much silver and copper is used, I hardly need suggest that strict rules should be carried out against those half fishing half piratical sect called the Orang Ryot or Laut, being allowed to obtain admittance into the building. They frequently visit the rock, so their visits should never be encouraged nor any trust be put in them as they would be sure to pillage the building if they found themselves strong enough. In the Straits and inlets of the neighbouring shores and Islands many are the lives taken by these people, when the object to be obtained is only a bag of rice or other articles of little more than one or two dollars value.

It remains for me to state what is proposed to be done now and next season. The Capital of the Pharas Pillar is now in the hands of the Stone Cutter at Pulo Ubin. It is to be of Superior style of workmanship to accord with the beautiful design for the lantern sent out by Mess^{rs} Stevenson. Mr Bennett the foreman is now there engaged on that work. I would also propose to place in hand immediately the extra stone work required for the platform if sanctioned. The Tonkang boats &ca are also undergoing repairs at Pulo Ubin. These were much damaged against the rocks at the Light house. In Singapore the stucco mouldings, doors windows copper and brass work and all other fittings and finishings will directly I have leisure from other duties have to be commenced upon and finished before we proceed out to the Rock again. The repairs to the Gunboat "Nancy" should also be completed as early as possible, her reported crazy state was a constant source of anxiety to me during the last season. It is of the greatest importance that we should now be well informed of the state of the weather out at the rock during the North East monsoon such as the times that the monsoon sets in, ceases for a time and when it blows strongest. Also the action of the waves on the rock should be narrowly watched so that the requisite arrangements may be made for the construction of the landing pier &ca - for that purpose I would propose keeping the "Charlotte" stationed at Point Romania to put out to the rock as opportunity offered and to register facts connected with the above points. It would also be extremely desirable that I should go out at least once every month to judge for myself, for upon these facts when ascertained will depend all concluding arrangements and plans which could scarcely be made without a thorough knowledge of them.

By the first of March next year the gunboats should proceed to Point Romania to prepare spars, watering place &ca and to be ready to report when a landing can be effected. When a landing is reported possible I would first propose, after our water and provisions have been got on shore landing with only Malays, Convicts and 2 Chinese Carpenters. The former to prepare the attap sheds. The Convicts to bore and blast the rocks at the new landing place and the Carpenters to erect our temporary house and also the temporary pier. These arrangements would be sufficiently forwarded in 14 days to receive the Stone Cutters and masons, when the building and out works can be at once commenced on, we would have the building ready for the Light Apparatus and lantern by the middle of June and the outworks &ca during July and if no accident occur everything would be completed by September. The showing of the light could probably take place in October. For this purpose it would be necessary to have the light Keepers and their establishment ready in August so that they might undergo two months instructions before having the duties left to their sole charge.

> I have the honor to be &ca Sd/ J.T. Thomson Gov^t Surveyor

Singapore 2nd Nov/50

> True Copy (signed)

1. 28 To She Bonikle Showed Chin Nesident Cancello Lie On the completion of this steason's operations at the Herichurgh Lighthouse non in the cause forcetions on Peris Braned. I do sugrielf the hour frepating there on to gos for the information of for churrent. It will not I presence be necessary fame at this stage of the works to tresposed one your time and attention in detailing the abitacles and difficulties meanstered das the progress of this musual sugmeen o and taking in which I and any assistants have been engaged Liville therefore merely confine myself to laying before you a statemente of the work executed and what this proposed to be done nest Season for completing the whole -She hearing of the building has nearly been finished , this places the and succeptul completion of the remained beyoud a Dault - The highest cause land is 80 feet above the level of high water. Spring Liber - 59 feet above the finstentie cause of hearing and 642 feet above the lowest stone in the foundation . Hi feet in height remain to complete the total clease The tower - which will be g12 feet above " mas go feet but 12 feet will unavaidably have to be added to the height of the light room wall to conform to the places of the Lighting apparatus Resigned Streed Stevenson upungh -She total sum referred on the buarks (exclusive of superintendence this deacon accounts at this dates to the

sum of 9001 sh 2.3 23 leasts and the following is an estimate of the probable Cost of the remander. Ashlar Stone wark of Capital including parafet and Light room wall - 11200. ramte , Out of 180. éc 1 exchant to room 260. tabour in erecting do 300. _ 100. -Windows doors thairs and all firstures including babs 500. -Secuparany hauses for Warken 100. _. Raidting land place Hacking 200_ 100 -2 Then Rear for 3 monthis -192-Rue 1 cuto mason Mails backlets Laws chisels have and other small articles 100. _ 8 banels Comment 64. -Swamels Concent - Catchiners 10 this? 150. -3405-Contingensies + unforescens expenses 10% \$40.60 3812.60 amount already expended 9001.28 Latel. 12873.83 The original Astimate amounted to 13,101 the Rollans 18 ch it may therefore with confidence be auticipated that the work according to the original planet and their = fications - if not somewhat leave in Cost millast he exceeded. The same expensed for Super = intendence amounts to 527 \$22 - 454 \$50 having been paid to all' Kennette the areman for 10 months Services at 100 ft and 72 \$ 1/2 to the temporary extra forena 20 Days - The auticipated remaining Cost on This head like he 45.45 My table allowance where no baard the Koghly 227.25 2726.72 1524.22 amount already expensed Jotal 4 2 32 53,94

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Adding the Cost of tuaches to the Cast of Super - interestinge the total anticipates lost of warks already sauctioned reachine of leaters and machinery millbe 10,127 Sfr Dollars 7705 The experience of a season's operations at the work - has shown me the heresity of some additions to the angual ticipated as him required for the campor and safet of the light keepers havingong had finor to the commencement of operat a few currany visits where any peculiantic in the families of the rock did not strike are as being possible to be taken ed : 2 vantage of also the actions of the waves around the rack have proved considerably different to what that expected, the arrangements Wat that designed for the landing have thereby proved ineffectual. The first addition Swall have hispore is a platforms of stone 18 feet 20 feet to be constructed near the suthance to the light hause where there and toutes could be laid preparatory to their being haisted into the building - The rock being nugged and inclues makes the construction of a flatform extremely desnable. He second addition I would propose the not nearbang - Speel con a vinced will meet your stady sametion happens can easily be made in a geelly hetween two of the highest rock's - The disc will be in minature only 14 feet & 20fe but the recreation and accupation of mind not be say relief & the eye by giving it

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Surrounding copanie of sea will & hake he acended to the solitany herings that will terant the rock . The third is in a new lands singplace the entert of the horth east weth: this I find is the only place that a landing care he effected during the though of the South West Monsoon . In The hight where that made the present landing stairs. the influx and reflexe of the Sea is to great . that unless in calmo weather it is unap. preachable The fauth is for channels for callesting ruin water. The utility of This Suce hard filete upon . and the last in the construction of a headers peer of the best timber on the Lawth side of the tock to that by its means a landing may be effected during the calmer kays of the North East monsoon to made of constructions caused get the des . termined apor antic thank an opportanisof decomp the force and play of the traces of the he monor for which purpose it mauld be of great consequence that months: The fallowing is the probable Cost of the above additions . 588. _ azden 86 .. andning place Channels beatch raine Water 50 waadens firer on Kauth Spock 200 . -824. Contrugences & unforescen expenses 10% 82.40 M. exclass 906. 40

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while salient the sandy second Lowened hu A fast regarding there additions las is order There there finished in good time next year. The stone part should at once be commenced upor - at Pulo Whin If there additions be sanctioned they will render the loorth's at the rack as complete as cauld be desired deconstructions of proper landing places as optimience of the action of the waves have failed ant in the passed Stor moneomand will paint and in this coming & Stresson, I concerne will be agreat decideration to obtains, and they will obriate auch expense trachle and accidents in future times and they cannot be more easily and unexperi executes, have while the other works are ful greening - These will complete the permanent works attention to the furniture and nioveable articles. which the native the original esting are essential to the completion of arrangement for showing the light and the works could not be handed ones with safety by me to the functionary who will be intrusted with the maintenance of the light with every the has been satisfactored put into regular south Lean served, anticipate every minute artic that will be required . but will encounter the following articles and fittings which I think will include meanly the whole 30. - but forward 192.00 1 Clock 10. - 20 mater barrels 100 . argand Lan 3 kaugung Jackle for hearing 9 - 6 broks wash ; bacons } 12. 100. -& provisions 1 Baat 90. 9 bed steads Dantsfor to 40. 27. - Davits for 15. - 8 Chairs 1 Lelescope · 8. 3 Tables. 12. mer 192. 454. Contingencies 10% 45: 40 Sp. Solar 499. 40

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Regarding the requisite betablishment of Keepers te I did augself the house & offer Some suggestions in my letter 1. 20 fires. he charged with the bety of carrying and and 3 hatings shared he suployed to watch the light - Subaquenter perience and closes attention to the subject which I there had not had opportunity to abtain have considerably madified my opinions_ I therefore now take this opportunity to lay he for favernient the alterations that with such informations as bears on the point. The objections that accur to me against the Jamies proposed anaugunents are in the Smallness of the party of Keekers left on to toliting and distant a position without Atives they wand I be behaved communication Them. In ximilar setuctiones in Britain the greatest care is taken that the heaviers should orever the deleaned from communication with the shore - Thus the Bell rock light hance has it's shore station 12 miles distant at Arbroath. Where a part is always on the watch for the signal from the lighthance benoting that communcation is required. where a versel that is Kept salely to tend that light have unnedicted puts to dea. Ke same is the case at thermy one and Shelieve at every other lighthance of Rivered nature - Such as the lodystone Luscas, Carlingford, Maplin and one orting

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others - She karchargh lighthause which is as distant any of these from the nearest those namely '10 Sughit hiles, on a rock as barrens, Situated in a position most important the valuable hade of Relact where cangaes of the richest and defend for them safety on the uniterrupted thouse the light - This that it will appear to I tion paid it that Such structures have in the two ther Country . The suppogue Ha larger bady of hiere at the lighthause on another account which bacs not exil on Butick thoses is in the number of brats Kat Continually infect these leas - Sneed hardly recall the many instances that accus the not and flerang. Suray mentions one is the plundes of the town it the Capture of the inhabitants of singhil by the harmons two years ago a place se trated out go here for tingapore. It may be true that the heilding as constructs mand hold ant against curst of the pratice refels that would attempt brushet it If they schould be to include - but Jurand tunily suggest that means chauld be taken to frevent allogether such an occurre Paint Romanica Remearest land & Pedra Brance is the best situates for Anche Alation as are always attached to British Light houses - A is also the frank most notarious for the paracies committed in its provinity - and consequent the wort Readed

by hatine traders . The fact that as piracies have been committed at the shot this year where one on the other of the function was alroady stationed, storughy convinces me that a station there - maneld be aminent subscription & two parfores viz the protection of the hative trace from pirates and the bending of the Lighthause. Mere I and a from previous conversations with you that there are insuferable objections to erecting a Atation there . Swand have rarriest Recention of a Station on that point in which an anned part fust less than 19 men and two hasts could be placed. Die a fact pulling hant for in shore but I the other a safe I built hoat for Sea kick Here a constant watch could be main tamed on the lighthouse and their capie precised could be had at the rock in Case of used. If such an adraugement cined be made I wind not advice more than 3. men being stationed at the light hance at one times viz I sucher 42 hateres. which would render . total extablishment of 2 hurspeaks and 3 hatices sufficient. The Surspeak changing buty monthly and the hatines every two months by turnes - in having a kmall establishment at the rock aturis gained . in the a prent desider Amall quantit ferates and provering required the sent out. Succase This arrangement here faire advice as the next heat course I Swould have propose that a fin boat he always Stationed at Paurt Romaina, and in

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case of her absence the relieved by austic hit in cases of the absence to he returns by amother - but in case of the absence hath - a boats crews of 6 men ble of hatte - a boats orens of the aithe the light heepers who would This fame a party that would prevent the risk of any molestation. The lighthan boat of course would be there to carry off the 6 men in case of necepity- such as the want of mater and provisions. The third and last proposal that I would thespaces one your consideration should be other two he famuel impracticable, is is the adjuncting the party at the work of 1 Europeans and & matures - 2 Sp the latter would be light theepers and the others to farma a haats crew for a hast which should always he haisted upor the ray This would render a total establishment 12 huspeans and 12 hatues neerfang the farmer & change monthly and the · objection against this profesal is in the large quantit of water and provisions me the the couldert scale that cauld safely he maintained to carry out the permanent abject of the Service - viz the Steady maintenance of the light where once thown - turker this arrangement it would be only necessary for the function Steams bearing out furnisions and water knowled to the look and for the changing of the heatthen , tokere the lauteres is to be of

Naturable metal and the lamps and reflectors the of the finest and latest improved conclustion, in which much selver and Copper is used, Shardly need suggest that strict rules should be equid out against those half fishing half function seat called the orang Ryota dant, here allowed to obtain admittance who the building - Stey prequents visit the rock to any trust he put is them. as they would he sure to fillage the building if their faund themselves strong enough - In the Straits and inlets of the neighboursed three I Islands manipare the lines taken by Kese people - when the object to be obtained is only a bag of rice or other articles Alette nine than one on two Sallars value. It remains for mo to state what is proposed the some now and neph Jeacon - The Capital of the Pharas Villas is now in the hands of the stone Cutter at Pulo likin . It is to be of Superior style of warkmanship to accord with the beautiful designe for the lanters sent and by help? Stevenson M. Hennett Reforence is now Here engaged on the blook - Swallale propose & place is have inmediated the estra stone work agained for the platform of Sauctioned - The Southang heads to are also undergoing repairs attul Ubic. Nece were much damaged against the tocks at the Lighthause - Les Singapore the Atuces maildings, saors toridows Coppe Abrass work and all other fittings & from ather sections have ble commenced

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afon and funched before we proceed and ble Koch again - The Repairs to the functional Rancy should also be completed as early as possible, her reposed andiet to nee During the last season -It is of the preatest importance that we shaild now be well informed of the state of the weather aut at the rock day. the horkinstrion corn. Luch as the times that the monstoon dets in ceaces for a time and then it blows shougest. ales the action of the waves on the rock should be narrowly watched to that the requisite arrangement may be made for the construction of the landing pier de - to Mat Junfore Levand propose teeping the Charlette Stationed at Paint Homania to fust out to the rock as apportunit offered and to register facts connected with the. alione paints . Streamld also he estreme Recircuble that I should go out at lease me every months to judge for myself - for peud all concluding arrangements I plans which could searce fle made withant " thorough twowledge oftheres the fundants thank proceed to paint the Annania to prepare thanks, watering places te and the read bright when a landing can be effected when a landing is reported precise Susando first propose, after and heat. heater spromins have been got on shore landing anthong malays, Conviets and

2 Chinese Parkenters - The James & frepare the attack sheds - the Convicts to have are black the caches at the new landing place and the Carpenters to erect an temporary hause and ales the temparary fire . Where anauguments would be sufficients for and with days to receive the stone Cutters and thasons, where the building and autworks can be abouce commenced for the Light apparatus and lanters by the mad The of Euce & the autworks to dari July and if no accident accus everythis maild he completed & September -Showing Whe light cauld probably take place in actober - Forthis purpose it mould be necessary & have the light Keepers and their estable church ready in august to that they night undergo two months instruction before having He duties left & then sale charge Mehnentole Surveyor

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Letter from Church T. (Resident Councillor at Singapore) to Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) dated 7 Nov 1850 Sir.

No. 128

Ans^{d.} 4th Feb/51 To

The Hon'ble the Governor &ca

I have the honor to annex transcripts of a Report from Mr. Thomson, the Government Surveyor (No. 28 dated 2nd Instant) on the completion of this season's operations at Pedro Branca.

2. Mr. Thomson's communication is extremely satisfactory, the Horsburgh Light House so auspiciously commenced and successfully prosecuted during the past season, may be viewed as an earnest, that under so able and energetic an officer as the present Government Surveyor, this most important work will be finished within the ensuing Year.

3. It will be seen, that Mr. Thomson recommends certain additions, the aggregate expense will be under 1,000 Dollars, they are obviously extremely desirable, and I would beg to recommend that Mr. Thomson be authorized to carry them into execution.

Date

4 I observe Mr. Thomson advocates the Establishment of a Station near Point Romania, for the purpose of affording assistance to the inmates of the Light House in case of need, and also to suppress Piracy; an armed party of the strength suggested would, doubtless, be of some Service, but I doubt whether such is absolutely necessary, or commensurate with the permanent expense which such an establishment must necessarily occasion. Romania moreover belongs to the Sovereign of Johore, where the British possess no legal jurisdiction; it will of course, be necessary for the Steamer or Gun Boats to visit Pedro Branca weekly; some benefits would also accrue by requesting His Highness the Tumongong to form a village at Romania under the control of a respectable Panghuloo to render assistance to the inmates of the Light House in a case of emergency.

5. A short time prior to the withdrawal of the workmen, I visited Pedro Branca, and was equally surprised and gratified at the vast rapidity with which the operations had been carried forward, and the substantial and imposing aspect of the Edifice, it was distinctly seen at a distance of 12 Miles.

> I have &ca Sig^d./ T. Church Res^t. Councillor

The 7th Nov^r. 1850

The Mille the foremont the to enclose the monthly deture Aleal. which it will be suil, that the Stock on hand in the 1st Instant, aggregated Share to hij? /Khiroch The 5th Bar- 1850. Reformidor 128 To The Houble the Governor 900 Λ Λ Shand now the horizon to annea transcript I a Report from Mer Thomson the forements = plation of this season's operations at Pedro Brance ._ all' Thomson's commination is waternel satisfactory, the Hondburgh light House so prosecuted during the past sensor, may he vierdan an corners, that under so able and margatic in afficer as the present Governote 3. It will be deain, that iles Thomason recommends certain additions, the aggrees - gote expense will be under 1000 Dolland they are obviously waternely line alles and about they to recommend that her? Thomason he and though to carry them with execution. I beine lice Thomson advocates the 4 Establishment of a Station near fourth w Pore in case of need, and also to suppose diracy; an armed party of the strength suggested would, doubtless, he & Some

Served, but I doubt whether such is a bootulely in considered day, in commendated with the perma-Sin hand expense which such an establishment much necessarily occasion, - Somania moreover British possess no legal juscodiction; where the Acountse, his necession for the Steamer or guen -fit would also reserve by requesting this Highness the Samongoing to found a village at domania under the control gas res-= pretables Panghulon to renders assistances to the inmated of the sight Alouse in a case shout time prior to the withdrawal of the working Insited Podeo Branca, and was equally surprised and gratified at the hear carried forward, and the substantial " said improving aspect of the Edifices it was is distantly side at a distance of 12 miles .-Shane 7ª they the hor 3850. sig to hurch . hoffournillors 129 to, The Monthe the Governor 45 Ibeg liand to transmit herein the the Takilas and atter figured Statements = han fin having reference to the lemmore and shipping 30 the April 1850 -Detailed Statement of the grantity and values of mirchandized and trasme no Imported Di ____ & Exported. Statements of merchandizes Transhipped Statements hed landa" .-A P Contractor of the

Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Seton Karr W. (Under Secretary to the Government of Bengal) dated 9 Nov 1850 Date

: 9 Nov 1850

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No. 133

Genl No 865 of 1850 4th Ans^d Jany/ 51 No 6

W. Seton Karr Esquire D/ Singapore 9th November 1850

Sir

То

d/ 7 Nov 1850 No 128 Copy retained I have the honor to transmit the accompanying copy of a Letter from the Resident Councillor at Singapore^{}, giving cover to a Report from Mr Thomson the Government Surveyor on this Season's operations at the Light House, under construction at Pedra Branca, the first stone of which was laid, with masonic honors, on the 24th May last, being the anniversary of the Birth day of our Most Gracious Majesty Queen Victoria.

2 Mr Thomson has fully realized my utmost expectations, in the zeal, energy and skill, with which he has prosecuted his labors on this much responsible work, the most difficult part of which has been accomplished. The Structure which is most strongly built of the best Granite, now stands 80 feet above the level of high water, Spring Tides, and 641/2 feet, from the foundation, and this within 5 months of laying the first Stone.

3 If the Work in question had been executed within the same period at Singapore, it would have reflected great credit on Mr Thomson, but when the isolated position of Pedra Branca, 40 miles from this Town upon which he has been dependent for all supplies, and 10 from the nearest Land, is taken into consideration coupled to the fact of the contractor having run away, on the first appearance of the difficulties which surrounded the undertaking, and these were many and great (the Workmen on one occasion, having been brought away from the Rock on Casks, so fearfully did the surf break over it, and on another, having mutinied,) I am sure that the Honble the Deputy Governor will concur with me in thinking that too much praise cannot be accorded to this most perseveringly zealous, and practically skilful officer Mr Thomson.

4 The success of the Work is now past doubt, but experience has shown the want of some adjuncts to the Light House, which it is desirable to put in hand forthwith. The first is a Platform of stone 18 feet by 20 feet, to be constructed near the entrance of the Building, for the reception of stores, preparatory to their being hoisted into the Light House. The next, although not imperatively necessary, will add so much to the comfort, and content of the Light House Keepers, by affording amusement, and preserving them from some portion of the excessive heat which strikes from the bare Rock, that it is a most desirable measure. This is a miniature garden, which it is proposed to make in a Gully between two of the highest Rocks. The third is a Landing Place, which I can speak from experience, is indispensable, to enable parties to visit the Light House but I would call particular attention to the thoughtfulness which has dictated the suggestion of channels, for the collection of Rain Water and these with a wooden Pier on the south side of the Rock, to facilitate landing during the Calmer Days of the North East Monsoon, when it would be impracticable from the force of the waves to approach close to the Rock, will complete the additional works required.

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*Platform \$388.00 Garden 86.00 Landing Place 100.00 Channels to catch Rain Water 50.00 Wooden Pier on South of Rock_ 200.00 \$824.00 Contingencies + Unforeseen expenses 10 % 82.40 Spanish Dollars 906.40

taken from Mr Thomson report – See Enclosure to Mr Church's letter dated 7 Nov 1850 No 128 5 It is very desirable, as previously observed, to make every preparation for prosecuting the above Works during the present season, when all operations at the Rock have necessarily ceased, and I have therefore ventured to sanction them in anticipation of the approval of the Honble the Deputy Governor of Bengal, at the probable cost noted in the margin, and at the same time, I authorised the following Articles of furniture & interior fittings for the Light House, with a Boat complete* &ca.

		Brot (Brought) (?)	
1 clock	\$30	forward	\$192.00
1 Argand Lamp	10	20 Barrels	100.00
3 Hanging Lamps	9	6 Brass Wash Basins	12.00
Tackle for heaving up			
provisions	100	1 Boat	90.00
		Davits for ditto	40.00
9 Bedsteads	27	8 chairs	8.00
1 Telescope	16	3 Tables	12.00
Carried forward	\$192		454.00
=		Contingencies 10%	45.40
		Spanish Dollars	499.40

6 Mr Thomson has offered some further suggestions regarding the Establishment for the charge of the Light House, and I am disposed to give much weight to what he has advanced, but I think it would be expedient to await the termination of the present inclement season during which every means will be resorted to, for the purpose of obtaining information, regarding the force of the waves upon the Rock, and the possibility or otherwise, of access to it, between this time, and March next, when I shall be better able to give my final views upon this important point but I am persuaded the Hon'ble the Deputy Governor, will countenance me, in having an establishment, for the first few months at least, somewhat in excess, rather than in the smallest degree below, what may eventually be found absolutely necessary. 388

7 I am disposed to combine Mr Thomson's several propositions, by having a large party at the Light House, ie One European, and 8 Natives – with one European, and 4 natives on leave, so as to give the former relief every month, and the latter every two months. During the fine weather, when the Rock is readily accessible, and provisions can be furnished without difficulty, and having a small party, say one European, and 3 natives on the Rock, during the north east monsoon, with a fast pulling Boat, and 9 natives at Point Romania, with one of the Singapore Gun Boats, but I shall do myself the honor to report again on this subject, after the termination of this monsoon.

9th November 1850

I have &ca Sd/W. J. Butterworth Governor

7133 Seton Carr Esquire Singapore 93 Horamber 1850 the honor to handent the accompanying Copy of a Setter from the Venden bouncellon at Singa. pare, giving Cover to a Report from Mon Thomson the Government Diaveyor ho 128. on this Season's operation at the Light House, under Construction at Vedral Brancal, the first Home of Wouch was Cand with masine bonend on the 2 May last being the Anniversary of the Buth day of our Mosel Gracions Majerty Queen Victorial. MG; Thomson has fulgualing my utmost & pectationid, in the yeal, Energy and Skill, with which he had procented hid

122 his labord on this mich responsible Work the sport difficult part of Which has been decompliched - Th Ameline which is most thoughy built of the best Granite, how Mandel Sofert above the level of high toaler Sping Vided, and 642 feet from the foundation and this within 5 houthe of laying the first stand If the Work in question had been Executed within the Same period, al Ingapore it would have reflicted great head on Mr. Thomson, but Johen the isolated position of Cedra Branc 40 Miles from this Sow , and 10 from the Vaind, is taken into Consider the fact of the Contractor ha Confiled to away), on the first appearance of The difficulties which Surrounded the undertaking, and there were man

123 and queat (the Workmen on ane occasion having been brought away from the North an Casto, So fearfully did the Sunf break over it, and on another, having mutined, Oam dive the Mante the Deputy Governor ince Concur touth me hi thinking, that too much haise can les Accorded to this most Resservingly Jealows, and practically shilful Office MG? Chambon The Success of the Work is 4 now pass Doubl, but Experience had Shewn the want of Same adjuncts to The Light Moure, which it is Desuable to part in hand for the with The first is a platform of Atome 18 feer thy 20 feet, - he Constructed near the Enlaunce of the Building, for the reception of Stares, preparatory to their being housted intothe Light And so the next atthough had imperatively necessary, we add to much to the Camport and Cantent

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of the Sighir Anna Reepend, by affording amudemant, and the Serving them from Some Portion of the Excessive heat which Strike from the barg Nock, that it is h mid desuable meadure this is a miniature Garden, which it is proper to make in a Gully between two of the highest Rocks - The third is Sanding Place, which & Can Speak from Experience is indispen-Sable to mable parties to Visit the Sughe House bin Served Cale particular attention to the thought. Julneds which has dictated the Inggestion of Channeld, for the Cottection if Rain Water and these with al Wooden Vier on the South Like the Rock to facilitate landing the The Calmer Days of the north East Mandoon, when it would be in . - practicable

Jonce of the Marces able from the e to the lor Complete the additiona l li requir This Very desera be a Apres to make Every Diepara Ort revel Aing) the above ale operation , when. Dear have necedsarily the have therefore Vent X. herpation of the ppi Governor Contre the Debuty) the Bengal, a the probable Coal hote in the margand Garden Land Place the and any es to Calete Cain Water Worten Vier in South of Rock Jaime lime ?! horvied the Continguncies 16 824 in aut Spaniske Dollar 1906 Articles uncline Henterion ettings y the a No mblete 1 Clock ¥.30 10 1_ Lee No.a.d. Sample li ð theaving up thering nor chunch Jacked for 160. allender of Beaslead 7 nor 1950 - 1 Veles cope З Ĭ. 1.454 no 128 -Contingencies 10% - H Carried for \$ 192 4891 6.

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Mr; Momeon has offered son further enggestioned regarding the &labers himent for the Change of the Ligh Mourae, and I am disposed to gene much laright to what he has airs but I think it would be Expedients to groail the terminations of the the Sent melement season - during which toing means will be resorted to, for the purposed of obtaining information, regarding the force of the Waves upon the Nock, and the too seibility or otherwise, of access to it between this time, and March next, when I shall be better able to to give my final Views upon this pring bortand point bur Dam hersunder? The Antes The Deputy Gevenion, wei Complemence me, in having en Estas blishmant for the first few months a least, Somewhat in Exceld , in ther than in the Smallest degree below what may Eventualle

Eventually he found abostulely neces. Sard. An desposed to Combine Mr. hemsens Several propositions, by having a large Party at the Sight Source 1.2. One Emoprien, and & halves - torthe One Emphern, find is hateres on leave, to as to give the former relief every hanth and the latter Every two months during The fine Weather, when the Rock is readily Accessible and provisional Can he furnished without Difficiely, and having) be small party, Lay One European and I hatives on the North, During The houth bank monsoon, with a fact Pulling Boat, and I hateves a Pint Remained, with one of the Divigation Gun Bould - but Schale Hommaly the honor to repert agein on this dutyeet after the resonation of this mandom. Thave Hear Sal. W. Butteronth Gavernor A. Morember 1850

Letter from Thomson J.T. (Government Surveyor at Singapore) to Allan Stevenson (Engineer to the Northern Light Board at Edinburgh) dated 20 Jan 1851 Date

: 20 Jan 1851

No. 6 of 1851

To Allan Stevenson Esquire

Engineer to the Northern Light Board

Sir

I Thomas Stevenson last month enclosing a despatch from the Court of Directors in which they agreed to advance you £1,500 on showing voucher from me, have since thought that the Honble Court would require more formal documents and consequently send of the by the Resident Councillor which (if you have not already received the amount) you will be so good as forward to the and I would no doubt that the amount will be immediately paid to you.

Further that as possible delay may occur in forwarding the articles out to Singapore. I have written to Messrs K. W. Rawson & Co of Singapore placing in their hands the sum of 2000 Sp Drs (nearly £500) with a request that they transmit the sum to their firm in London Messrs Rawson Norton & Co. who will communicate with you and who are empowered to receive the cases containing the Lantern machinery and lighting components and to pay you what were extra expenses beyond the £1500 you have expensed should they not exceed the £500 inclusive of shipping charges.

..... working is near at hand and as it will be without fail be ready to place the Lantern on by the end of May next at furtherest, I trust you will forward the articles without delay, as the Govt and shipping interest - will feel the greatest disappointment if the light cannot be shown before next stormy season which comes on in October or November.

If possible also please send plans of the machinery & directions to put it up, also directions for maintaining the light and cleaning the reflector, a year

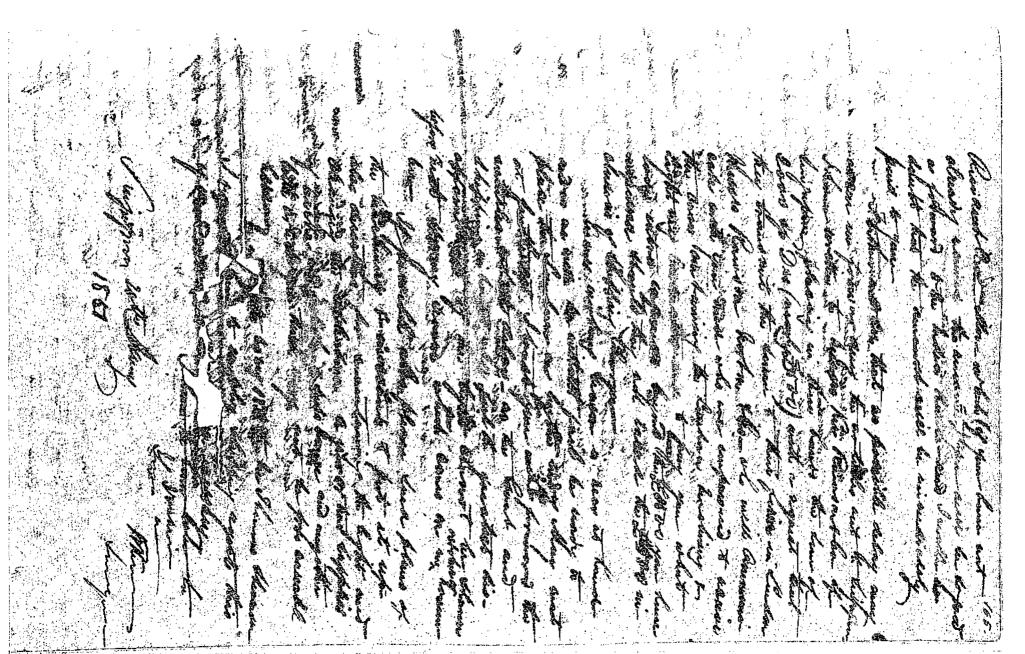
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or two has supplies of and and any other articles you think may not be procurable

..... No of 18 to Mr Thomas Stevenson, I requested him to shipping agents this necessary

Singapore 20th Jany 1851 I remain Your _ Sd/ J T Thomson Surveyor

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Letter from Thomson J.T. (Government Surveyor at Singapore) to Allan Stevenson (Engineer to the Northern Light Board at Edinburgh) dated 6 Feb 1851 Date

To Allan Stevenson Esquire

Sir,

I addressed a letter to you on the 20th January and as since then the England. I am much disappointed that it no mail communication from you, as the time is fast approaching that the articles belonging to the Horsburgh light house, construct in the will be urgently required and the early receipt of which will present the showing of the light next stormy season. I should have been glad to have however the cause of the delay, from yourself whether owing to misunderstandings with the Court of Directors or other cause. I am under the circumstances only guess at, and under this state of at a loss what which if I had been made aware of, I would have promptly probably this delay. would be may have shown as I made by my relative Mr John to by Mr David to the case, maybe perfectly justifiable by circumstances connected with upon this subject with by to £1500 but you told me that anything disagreeable has happened, and it would be improper in me to anticipate that such should have been the case, as I am not aware of it.

If you have not received the £1500 from the Court of Directors. I hope there will be no trouble in your obtaining it, on the showing of the document signed by myself and the Resident Councillor forwarded with my letter dated 20th Ulto and that Messrs Rawson Norton & Co of London, will do all the rest required and I trust it will appease to you, if you consider the position I am placed in, by your silence as to have the work under your charge is - the cost – which information that 1 have all that could be expected. I may mention that the cost of the light house is not defrayed by any private body nor any special fund, tho' nearly half the expenses were met by private subscriptions, but that the Govt have undertaken the work on their own responsibility, and will have it executed at whatever cost, and thus I am glad to say is placed beyond question will not exceed by £500 my original estimates nor will it amount to anything near what the Court of Directors in sanctioning the work anticipated and subsequently were ready to pass.

On receipt of this letter I would beg the favor of your informing me. Should the articles not yet have been shipped – when they will be ready for shipment & the cost including your commission if this does not exceed £2000 will meet the demand, but if further reference to Govt will be necessary before I could disburse the amount.

Singapore no. 6th Feby 1851

I remain Sir Your Obd^t St Sd/ J T Thomson

Burnet and the the seal Je mark the line The success have been been a success of the and a start and and and and the start of the set Do dirachoras leas that it Last appropriation test to articles the second and helsing a Municipal the week that the the and the the first price M Care - your the 2 Berg in lican is man Manufic the coman with the second for the second of the second and the second second have been the the the start and the agent it is a second the last and the second mid al and la insporten in two to auticipoke that cash there have have the case as I am wat sugar i The time the 5000 from the Count of Directors - "he tans will be no trouble in your optaining it - on the showing of the as current higher by night

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Letter from Thomson J.T. (Government Surveyor at Singapore) to Allan Stevenson (Engineer to the Northern Light Board at Edinburgh) dated 1 Apr 1851 Date

No. 10

To:

Allan Stevenson Esquire

Engineer to the Northern light house Board

Edenburgh

Sir

I acknowledge receipt of your letter dated 23rd Dec & Mr Thomas Stevenson dated 18th Jan, & duplicate of the same dated 20th Jany.

In reply I trust the financial arrangements have now been placed on a satisfactory footing. The misunderstanding regarding this subject had been the cause of great perplexity to us, and I am glad to note that it originated from Mr Thomas Stevenson mislaying the original letter which referred you to the Court of Directors for payment, and that it was not deemed by that disavowal of that body of commission with the light house, as I had been led to anticipate, from the great delay that has taken place in executing the stone (?) of the light house works entrusted to you.

I have redesigned the plan of the instrument and have no doubt when we once get it that it will be a most satisfactory apparatus to note that you are the works, The weight that to the machinery, does it the works, the building, are to the floor of the Light room. channel down of the walls for this purpose in case the weight the rooms.

..... be required. We have too little air

If the apparatus be yet shipped Messrs Rawson Norton & Co. of London will take charge, you I trust will see the absolute necessity of dispatch.

We have operations and will not be later than end of May in having the building ready for the Lantern.

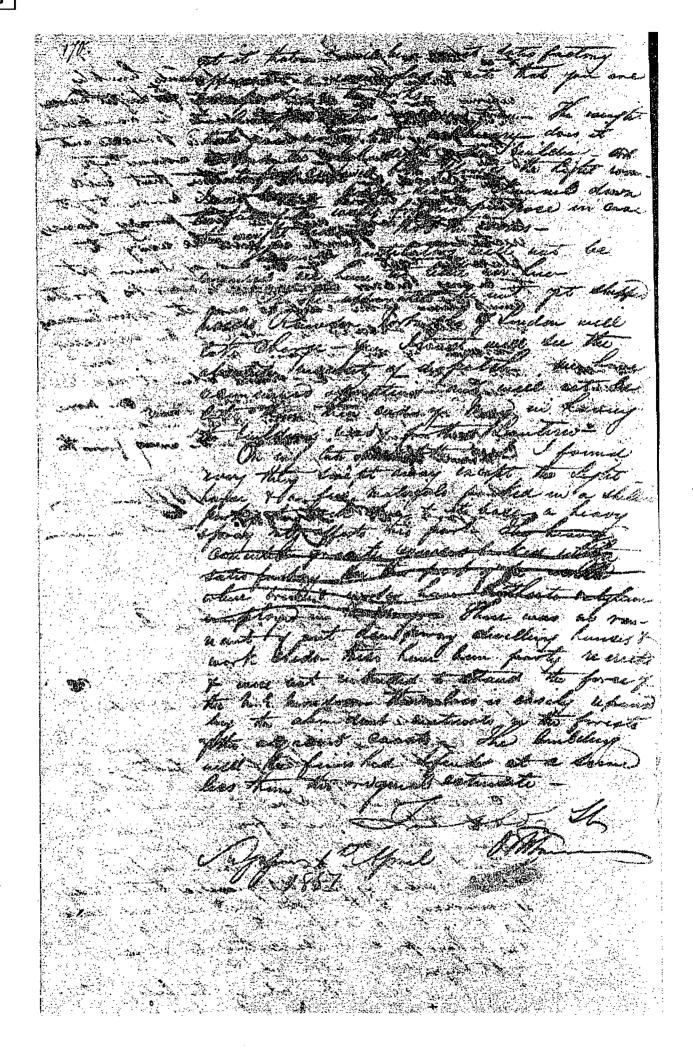
On my last to the rock I found every thing swept away except the Light hanger and a few materials packed in a sheltered part of the rock near to its base, a heavy spray only affects this part. There is no remnant of out dwelling houses and work sheds, there have been partly re-erected and were not entrusted to stand the force of the N.E Monsoon, their loss is easily repaired by the abundant materials in the forests of the adjacent coasts. The building will be finished. at a sum less than the original estimate.

Singapore 1st April 1851

Sgd. J T Thomson

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407 free and an free with the season of the seas The Small and the despite the The second and the second and Sterry Del mar 18 - and in second in Most und and public dense topic an the sound and the particular houses estering the state of site the site to Custor Pro. to be any to brie de comparate house it for the comparate the second of the second of a second of the second of th e ny mproni in The pour pride - allow bolm is rai le nill delles the pour sone anne tand work the for that big or want the susanting to make un confliction of an point or complete Frank arguest a might that the provide Lassen of the the second for the second for the second for the second for the Type and the first arres n elis elm and Frank entreidenter of semi little antal 28 Dec The Came dealed 2 The user thing to promoved changements for - hen tplaced me shall filters feeling. The minumention dance a good the state of the law the low the second of the places of the and I am fait trat that the might and strend which the and and larger poto regulat letter what you no you the Church of Decleofors for programment - and that it was not banked by the offer proved of that darks of according with the light have no that there has to contract the grow the grow delay the instation for an excession the short of the light hunder and in the short of the light hunder and in the short of the light hunder and the follow the house and the follow the halo filted and house the so chieft when an one



"Statement of the Proper Receipts and Disbursements at Singapore for the Official Year 1850-51, exclusive of Military and Convicts" in the Singapore Free Press and Mercantile Advertiser (31 May 1851)

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Annex 54

Letter from Thomson J.T. (Government Surveyor at Singapore) to Church T. (Resident Councillor at Singapore) dated 20 July 1851 : 20 Jul 1851

No. 15 of 1851

To the Honorable

T Church Esquire Resident Councillor

Sir

As the Horsburgh Lighthouse on Pedra Branca is near its completion so that on the early expected receipt of the Lighting apparatus the light may be shown in the building, and as at present I am only under orders to complete the building and its appurtenances. I would humbly solicit information regarding the instructions of Govt – whether or not I should be of service in carrying out the arrangements for future maintenance of the Light, in the procuring of Light Keepers, purchase of stores and in the executing of the other duties that will be necessary to keep the establishment in an efficient condition, or whether another officer would be appointed for this purpose.

As I have been orally informed by you that no final arrangements have been determined upon and that I might forward to you any suggestions that I might think worthy of the attention of Govt. I trust the following remarks and annexed papers may be of service. I have necessarily given much of my time to subjects connected with light houses and that illumination during these last two years, and I may not be forward in thinking that they will be useful, as they are connected with a subject that is part of general interest and are consequently little understood.

Date

On the subject of Light Keepers and establishment for the Light house, I made some suggestions in my letters No. 20 of 1848 and No. 28 of 1850 at the period of writing the former letter, the estimates of the building had just been made, at which time the rock had only been once or twice visited. My remarks regarding the future maintenance of the light (at that time uncertain of accomplishment) were necessarily short and immature as the peculiarities of the position had not been studied there having been no opportunity to do so, they were therefore subject to future correction. At the period of writing the second though I had the experience of one fair season spent in building operations, yet the knowledge of the state of the weather in the vicinity of Pedra Branca and of the action of the waves at and around the rock during the stormy season of the N E monsoon had not yet been observed. What remarks I have now to submit to your consideration I make under greater advantages than I possessed at these former times, having on several occasions put out to the rock during the last North East monsoon in order to ascertain the facts requisite to be known with regard to communication with the light house during that season, such as the possibility of changing the Light Keepers, furnishing stores &ca. What I now humbly suggest regarding the establishment necessary to the permanent showing of the light, I trust will be worthy of your favorable consideration.

In my letter No. 28 of 1850, I suggested three methods of keeping up an establishment for lighting the building. The last method proposed in that letter viz; of always maintaining on the rock a party consisting of one European and eight natives, seems now to me considering all circumstances, to be the best with some slight modifications. I have found that during every month of the N E monsoon that there will be opportunities to land the Keepers, tho' water and heavy provisions may not always be possible to land; at the same time, access to the rock will not be closed for 4 or 5 months as formerly supposed. The difficulty of keeping all the establishment at the rock is therefore now not so great as formerly supposed, and the keeping of part of their body at Pt. Romania is consequently unnecessary. By having their whole body at the Light House, this advantage is further gained in the sufficient protection of the building and its contents against pirates and other evil disposed persons, which would not be the case were only 3 or 4 men stationed there.

The establishment that I would now proposed will consist of thirteen individuals instead of fourteen as proposed in my letter No. 28 of 1850. And I believe it would answer all purposes if placed under efficient superintendence. It is as follows –

2 head Light Keepers	Europeans
2 assistants – do –	Malays
3 Tindals	– do –
6 Lascars one of whom to cook	– do –

13 Total establishment

The Light Keepers I would propose to change monthly and the Tindals and Lascars every two months, thus there would be always at the light house

1 head Light Keeper

1 assistant – do –

2 Tindals

4 Lascars

8 Total at the lighthouse

On shore on leave at Singapore there would be

- 1 head Light Keeper 1 assistant – do – 1 Tindals
- 2 Lascars

5 Total on leave

For assistant Light Keepers Tindals and Lascars, I believe the Malays to be best adapted, in case of difficulty in landing which is of frequent occurrence, they are more expert than either Chinese or natives of India, in the management of boats they are in their element, while other natives are quite at a loss, either from inexperience or sea-sickness, to be good boatman is necessarily indispensable for Light Keepers in such a situation. For head Light Keepers, I fear Europeans, will not be obtainable under any moderate cost but respectable Indo Europeans will suit as well.

Superintendence

The establishment of a light house, held of the highest estimation to the maritime world, as the mariner looks to it to guide him on his approach to the dangers and narrow passages thro' which he had to pass out or in from the open sea, it is consequently of the utmost importance that the light be kept in an effective state. To this end the appointment of a responsible officer will be greatly conducive, without supervision the Light Keepers would be apt to relapse into carelessness, and the apparatus under their charge would inevitably be spoiled or very much damaged in its brilliancy. The practical effects of which would be in the devices of the light and consequently instead of being seen by the mariners 15 or 20 miles distance, it might only be observed half that distance in which case so far from of use to shipping it would be a sure guide to their destruction. The Light houses of England which I believe are now mostly under the charge of the Trinity board have an eminent Engineer Mr who is responsible for the practical working of the systems. The Scotch lighthouses, with which I am better acquainted thro' the writings of Mr Stevenson are under the Northern Light

House board to whom Mr Stevenson also an eminent civil engineer is responsible. The engineer's duty is to supervise the Light establishments, carefully examine the edifices and repair them when necessary also the lighting apparatus and machinery and to see that they are kept in an effective working order, and that the reflectors and refractors are not scratched and otherwise spoiled from the carelessness of the Keepers, so particular are they with regard to this that the slightest uncleanliness about the light room that is detected is held sufficient cause of dismissal to the Light Keeper. The object of this careful attention to the conservation of the edifices and contents is that in distant places such as light houses generally occupy, large and costly repairs are avoided by immediate attention, and what is of greater importance any interference with the permanent showing of the light is also avoided. In the case of the Northern Light houses and I presume it is also the case with the English Light houses, all Light houses beacons, buoys Light house tenders, and establishments are under the direct orders of the Engineer and he is responsible for their efficiency. For the permanent maintenance of the Horsburgh Light House which occupies a very important position to the safety of the shipping touching at Singapore and these carry on valuable cargoes as in any part of the world, I believe if well will equally useful and necessary that the building and its establishment be placed under professional supervision. The light when first shown will not be equalled in brilliancy by any in India and its machinery and appliances to maintain its characters will require that knowledge and care which a person unacquainted with the subject or the construction and uses of the various parts cannot give. The art work to the building and appurtenances that do not form an integral part of the main building will require equal attention that their repairs may be effected before their stability be endangered. The efficient working of the whole system, depends on all the parts being kept in good order, otherwise the object of the establishments of the light is jeopardized.

Light house tender

The vessel that carries out provisions and water I presume will be one of the Gunboats, by her also the light keepers and establishment will proceed, at intervals also the Superintendent, as the duty on which she proceeds will at times be trying and hazardous. It would be of much importance to the Light house interests that she be under the orders of the superintendent, were the commander and crew in an independent position towards him the duties where difficult would not be encountered but be shunned. To make the gunboat efficient as a light house tender I would recommend that a bulwark be placed all round her deck to keep out the sun, and a cabin constructed after the with port holes thro' the bulwark - the present cabins are insufferably hot and ill ventilated and consequently are seldom entered even during the hottest days. The exposure to the sun being more easily borne than the heat below. If the establishment that I have proposed meet the approval of the Govt it would be necessary for the Gunboat to proceed to the light house once a month to land provisions and water and to change Light Keepers. Should accidents occur at the Light house so as to demand immediate communication with Singapore, the boat that is attached to the rock could be manned with five Lascars and sent for that purpose. These men when sent from the Light house should go well armed to enable them to resist if molested. But the knowledge that they carried arms would probably entirely deter the piratical orang laut from making the attempt.

Provisions

In making arrangements as to the pay of the Light Keepers, I would humbly propose that the provisions necessary to life, excluding curry stuffs and spices, be furnished by the Govt. The following I think would be a fair allowance per man

Rice	(45 d	(45 catties per mensen)		
Saltfish	6	-		
Oil	1	-		
Salt	1⁄4	-		

The Malays are too heedless characters to be intrusted with furnishing themselves. It appears from Smeaton's account of the Eddystone Light house

that the Keepers when they furnished their own provisions, were frequently reduced to eat the candles. On the 1st of November 5 months' provisions and wood and water should be stored on the rock, for tho' the light keepers may be able to land, probably provisions will be difficult to get upon the rock during the North East Monsoon, at all other times 2 months provisions should be placed on the rock in advance, so as to prevent the possibility of the men being forced to leave the rock from starvation.

<u>Anchorage</u>

Connected with the furnishing of provisions and changing of keepers I may mention that the gunboats or steamer can anchor to the North East of the rock distance of a mile during the S. W. Monsoon in 12 to 14 fathoms and the same distance to the S. W. of the Rock during the N. E. Monsoon in 10 to 12 fathoms. For the purpose of landing during the prevalence of the N. E. Monsoon a chain has been erected, at this they will be able to land excepting when the sea is very high. For the guidance of the Light house tender or steamer, I propose minutely surveying the vicinity of Pedra Branca and on a large scale.

Rules for Light Keepers

The accompanying Rules for Light Keepers I humbly submit for the consideration of Govt. In drawing them up I have been guided by those addressed to the keepers of the Northern Light houses of Great Britain, by the Engineer to the Commissioners. I have only modified them to suit the circumstances of this climate. Should they be approved of, I would suggest that a copy both in English and Malay, be hung in the Light-room of the Building.

For these I am also indebted to Mr Allan Stevenson the engineer to the Northern Lighthouse Commissioners. They will be of use at and a copy might be given to the head Light Keepers.

<u>Oil</u>

The lamp oil should be the best coconut oil to be had in Singapore. There are 9 argand lamps which will consume 360 gallons or nearly that quantity per annum. I have placed a sufficient number of the earthern jars in the building to contain that quantity so would suggest that the annual supply be forwarded to the Lighthouse during the calm month of October. 360 gallons of coconut oil is equal to 22 piculs 50 catties a greater or less quantity than this may be actually consumed as my calculations are based on the quantity of oil consumed in the Northern Light houses, and coconut oil may burn more or less freely than that kind of oil.

<u>Journal</u>

Accompanying is the form of journal I would propose to be kept by the Light Keepers who should daily write it in duplicate. One copy to be kept at the Light house and the other to be forwarded monthly to the superintendent.

Store Book

In this head no form need be given as what is received need only be put on one page and what is expanded on the opposite.

Visitors Book

This book should be kept in the visitors room and all visitors should be requested to sign their name and designation.

Arms and ammunition

I would humbly recommend the following to be furnished to the Light house to be kept in the head Keepers room.

8 percussion muskets 16 – do – pistols 8 swords 8 boarding pikes 250 muskets cartridges 250 pistol – do – 500 caps

When the lascars require to proceed in the boat either for water or to communicate with Singapore, the fire arms being percussion ones will possess great advantages over the common muskets in wet weather.

Meteorological Observation

In an establishment of this nature – where duty is regular and continuous these observations can be made with little labour or troubles to the Keepers. Had they proper instruments supplied their observations on the density of the air, its moisture and might be taken, observations on the tides, force of waves, fall of rain, heat of a and direction and strength of winds. In the mean time I have only proposed observations in the thermometer and rain gauge to be placed in the Light house Journal, the former if not of practical use will be interesting, the latter will show the quantity of water that can be collected on the rock for the use of the Light Keepers and stand a check against waste. I have constructed this instrument and before the light house operations are finished will have ascertained the number of gallons that can be collected on the rock to every inch of rainfall.

I think I have taken into consideration every thing necessary to the working of the Light house. If any thing has escaped my attention it would be of minor importance, and trusting that my suggestions may be found of service.

I have the honour to be

Sir Your most obedient servant Sd/ J T Thomson Govt Surveyor

Singapore 23rd July 1851

P.S

<u>Uniform</u>

I do not know whether it would be of much service in making the Light Keepers wear a uniform dress. There would be some difficulty regarding this with the Malays as I believe they generally object to appear in other costumes than their own. The Northern Light house board furnish to their keepers a dress once every three years and the rule as to its use, is as follows –

Extract from Table of instructions to the Light Keepers in the service of the Commissioners to the Northern Light houses.

Para 29. "The Light Keepers are to appear in their Uniform dress when any of the Commissioners or principal officers visit a station and also on Sunday, on which day at noon the weather permitting the Light house flag shall be hoisted by the assistant Light Keeper or in his absence by the principal Light Keeper when it shall displayed until sunset.

The Light house flag I presume is different from the national one.

Auger 71851 Salwork Eug Also and accurate 1 a lora Alansi and inported usupt of the Getting afternation the Isote every he clower to the huilding - and thesent Man why under workers & Competer Building and its approximances - I comento hundly the information regar thing the mentiotens of Gost white a get Compare arrived we buggy any sent the addrang currents In the future superities namely the defit - in the 1 lipter hugers purchase againg macuri and in the inclusion a to other duties that will to wearing susseit in filles (and in or our another office and that goes first fright for wand it for any doop get this that hight there to following the adultion of last I thing the following the adultion of last I thing the following maching point and of my to lugarto Conneted with lefter under turning these last two years and I away got forgeneral withest und ine Supt heaping with despit of light heaping and attached hard for the light hand land long cup forther and total to corpole and an 2 properties to the ficial oriting the former little the columnates of the hereday mily leave mee or turne minition my summers agar) i up the fature man tentures of the lift white

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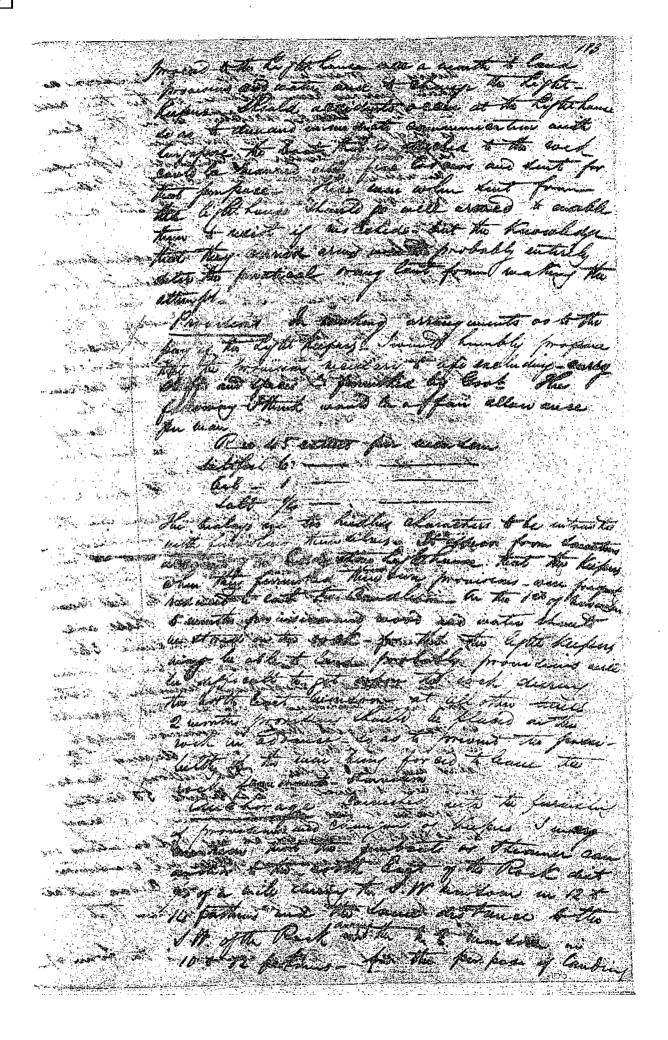
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Annex 55

Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Church T. (Resident Councillor at Singapore) dated 23 Aug 1851

Date

: 23 Aug 1851

Gl no. 589 of <u>1851</u>

<u>No. 313</u>

To,

The Resident Councillor at Singapore D/ Penang 23rd August 1851

Sir,

I have the honor to acknowledge the receipt of your letter under date the 7th Instant No. 100, with its enclosures from Mr. Thomson, on the subject of the Establishment, Supervision &ca &ca for the Horsburgh Light House.

2. I shall take an opportunity hereafter, of expressing my sense of Mr. Thomson's Services, and of bringing the same to the special notice of Government. In the meantime, I beg you to tender him my cordial acknowledgements for his able, and acceptable Communications.

3. The Rules and Instructions, drawn up by Mr. Thomson, for the Light House Keepers, which you inform me, have been framed in the Regulation in force in Great Britain – and adapted to the position of the Horsburgh Light House, and persons to be in charge of it, appear excellently well suited to the end in view.

4. The Establishment proposed by Mr. Thomson, will be entertained, and instructed by him, immediately on the arrival of the Lantern, in fact all arrangements made, and conducted by him, till the Light shall have been fairly established, so that he may have the full and entire credit of this valuable work to the Mariner, in the China Seas, but I am sure, both you, and Mr. Thomson, will bear in mind, how much his Services, are required on the Survey of Malacca.

5. The observations of Mr. Thomson, are most just, as to the necessity of the Horsburgh Light House Establishment, being under the supervision of some responsible person - but this is a matter quite distinct from the position held by Mess's Stevenson and Walker to the Scotch Light Houses, and Trinity Board, for these Gentlemen are consulting engineers & referees on all occasions, with reference to the Establishment of Lights, their nature, and construction, now these are for persons in India, having a practical knowledge of the description possessed by these Gentlemen, indeed I know not one, except Capt Smythe of the Madras Engineers, and to obtain the Services of such an Officer, would add considerably to the Tonnage Dues on the shipping. I propose therefore eventually, to give the supervision and control of the Horsburgh Light House, to the Master Attendant, as at the Presidencies, and out Stations in India; he appearing to be the most available Government Servant for the Duty.

6. The employment of a Gun Boat, as a Light House Tender, appears to me to be quite unnecessary, and such a charge on the Light House, would also fall heavily on the shipping interests, and cause great, and just dissatisfaction. It is my intention therefore, to send the Steamer once every Month, to Pedra Branca, and oftener if required, and in her absence, the Gun Boat will of course be despatched, but I should not be disposed to make any alteration in the latter vessel, for such temporary purposes, moreover the accommodation, which Mr. Thomson has so readily put up with, during the Building of the Light House can hardly fail of being sufficient for any other party, in case of emergency, when the Steamer may not be available.

7. Before moving further in the matter with Govt, I must beg the favor of your drawing up a regular Statement, in communication with Mr. Thomson, showing the case of the proposed Establishment in Detail - Pay, Provisions - Feeding the Light and all contingencies of every description, including such allowance, as you may deem expedient to grant, to the person, who will have the supervision, and control of the Light House Establishment, for the days on which he may visit the Building on Duty, in order that the same may be submitted to Government, with a view of finally determining the Port Dues, that it will be necessary to charge on the Shipping.

8. There is one point, which must not be lost sight of, and that is, the employment of the men, who will be periodically on leave to Singapore – seeing, that it would be highly inexpedient, to permit the Light Keepers to be Six months, and the Tindals and Lascars three months in every year, doing nothing, whilst drawing their full Pay, and I shall be glad to have your, and Mr. Thomson's views on this subject, as well as on any other that may occur to you, with reference to the complete efficiency of the Horsburgh Light House, but the first thing, that Government will desire from me, is an exact Statement of the Expenses of the Light House Establishment &ca &ca to regulate the Tonnage Dues, and I beg that this may be furnished, at your earliest convenience.

I have &ca Sd/ W.J. Butterworth Governor

23rd August 1851

preparation of binna the mean time you are at liberts to to ched ane harte the cut e bingalese in Les H eling during and faction Le which eve conti -6 chernespe. difficulty, the 1 h nencom the of to Jelenkle - dering this thetic al series micelin the Arme Marke Chave tea 11. ! Natterworth Governor. 12. 3/3_ blh: 589 J1151_ 01 The olident miller Junga 1 de 423 ch 1954. di achiner. ledge the recer l. they er hom or mil he dalje £

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Annex 56

Relevant Extracts from

(i) the Straits Times and Singapore Journal of Commerce (23 Sep 1851, 30 Sep 1851 and 7 Oct 1851), and

(ii) the Singapore Free Press & Mercantile Advertiser (3 Oct 1851 and 6 Oct 1851) Extract from Straits Times & Singapore Journal of Commerce 23 September 1851

steamer was weached. Should the cargo turn out not to be much damaged the salvors may expect a bandsome reward for their services. We learn that Captain Penny, his officers and crew reached Rhio in safety; they had been compelled to abandon the vesset on the 5th. instant, and betake themselves to the boats. The particulars of the castely have not reached us.

WE are happy to report that the Horsburgh Lighthouse at Pedra Branco is now completed, and that H. K. the <u>Admiral</u> and the Hon'ble Colonel Butterworth will proceed to the spot to examine the works prior to the establishment of the Light for all Pations.

THE Dutch ex-Governor General has not yet arrived; he has been expected hourly since the 12th instant, - the day fixed for his arrival, unless public service required the steamer placed at his disposal. The distarbances at Palembang have, it is conjectured, detained the steamer in that quarter.

WE are sorry to learn that fearful ravages are being made in the rural and planting districts by the numerous Tigers infesting the jungle. Two coroner's inquests were held last week on view of the remains of persons killed Singepore, Tresday, Soth. September, 1851.

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Straits Times and Singapore Journal of Commerce 30 September 1851

THE HORSBURGH LIGHTHOUSE—In our advertizing columns will be found a government notification respecting the above useful public work.

On Saturday last Ilis Honor the Governor, and a select party, proceeded in the Hooghly steamer to examine the Lighthouse, which has been executed in a manner highly creditable to Mr. Thomson, the Architect, and his assistant Mr Bennett. The Governor's party waited unth 7 P. M. in order to have an opportunity, of observing the light, which gave the utmost satisfaction. The light was visible from the Hoogbly's deck at the distance of fourteen miles.

ADF SINGAPORE JOURNAL OF COMPRESS YERY S [TUESDAY OCTOBER 74n, 1861] TUESDAY

NOTICE TO MABINERS

HORSBURGH LIGHT-HOUSE

OTICE is BEARDY GIVEN, that a Light house bearing the above designation in commemoration of the celebrated Hydrographer, has been erected, so Pedra Branca, an a rock which lies off the leaders entrance of the Straits of Singa-pore. The Light will be exhibited on the night of the 150 of October; 1831, and every night thereafter from souset to sourise.

"The following is a specification of the position of the Light house; the dangers which come within the influence of its Light, and the appearance of the Light-by Mr J. T. Thomson, Government Surveyor.

son, Government Surveyor. The Light house is situated according to the Admirally Chart in Lat. 20, 20, N. and Long 104, 25, East of Greenwich and by Compassheers from Barbucet Point-Bast dis-tant 124 Nautical miles, and from the N. E. point of Binlang N. W. by W. 1 W. distant 25 miles.

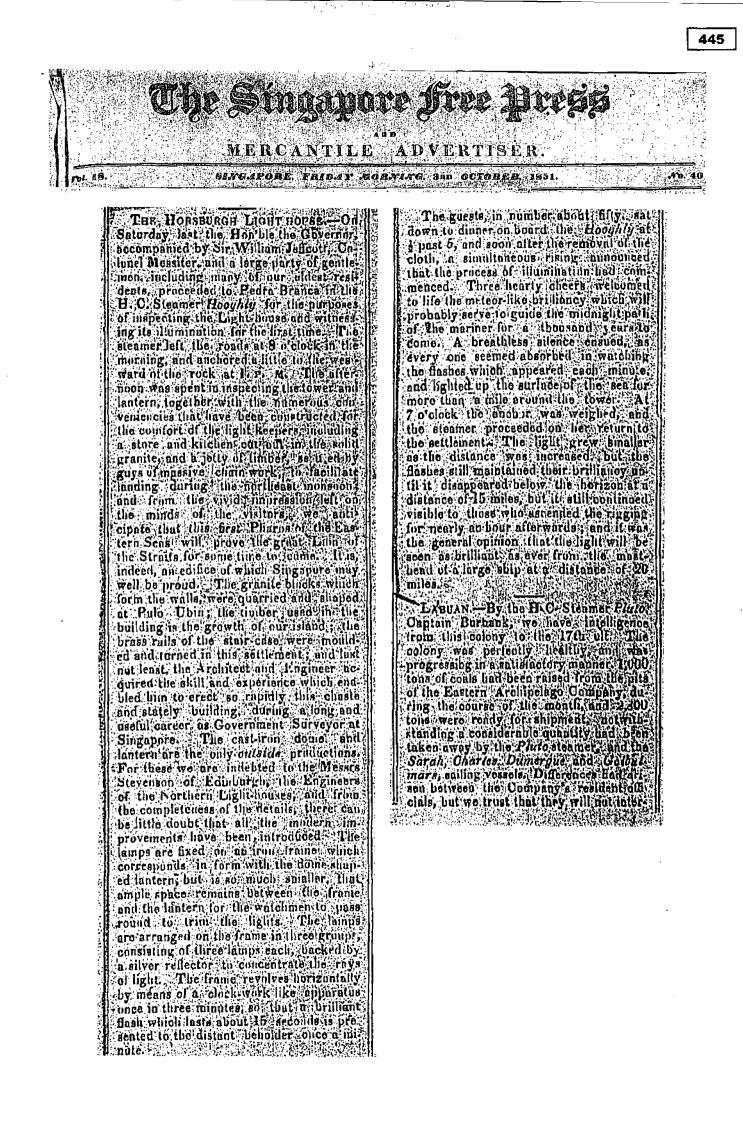
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Bonne Mich is painted while done which is painted while w. J. BUTTER WORTH. Michael Straight Straight Straight Straight Straight and Malacca. Magazor 241, Sept. 1851.





NOTICE TO MARINERS

HORSBURGH LIGHT-HOUSE. OTICE Is ASSENT CIVES, that & Light-house bearing the shore designation in commemora-Ly bearing the above designation in commemora-tion of the celebrated Hydrographer, has been erect-ed, on Pedra Branca, a rock which liss off the eastern entrance of the Straits of Singapore. The Light will be exhibited the night of the 15th of Oclober, 1851, and every night thereafter from sunset to contise.

to sourise. The following is a specification of the position of the Light-house; the dangers which come within the influence of its Light, and the appearance of the Light-by Mr.J.T. Thomson, Government Surveyor. The Light-house is situated according to the Admi-rally Chart in Laf. 1: 20'20''. N. and Long. 104" 25' Rast of Greenwich and by Compass bears from Bar-bucet Point-East distant 124 Nautical miles, and from the N.B. point of Bintang, N. W. by W. 4 W. distant 12 miles.

The following rocks and shoals lying in the way of versels-and coming within the influence of the Light, bear from the Light-house-

Composs Bearings	Dur- tance in Naut. miles	Description-
E. by S,	÷.	took which shows at L.W.
8.E. by E #E.	1	Rock with j a fathom on it at ditto.
S.E. by E. 🗧 E	10 <u>1</u>	Positilon rock with 14 fe-
S. S. E. J E.	2 2	9. E. rocks which always :
5. by E. § E.	6	Diana shoal with 25 fa-
South		Sp. Tides. N. rocks which always show
5. by W. 2W. 5. by W 2W.	2	Sou h Ledge dries at 3 ebb, Shoal with 14 (athoms on
ž. ₩ ± 3.	e Stites≓	it at L. W. Sp. Tides. Crocodile shoal with 3 fa-
W N :	71	thoms on it at ditte. Ro. k. with 23 fathoms on
W.N.W.4W.	6	at dilto, Stork rock, dries at L. W.
W.N.W. ± W.		Sp. Tides. Congairon's Carr with 13
Derween	Retween	fathoms on it at ditto.
N N AV &W & N by W & W	4 ¹ / ₂ × 6	Romania shoal with 31 fa-
N. by E.		North Patch with 4 fathoms

on it at ditto. The Light will be known to mariners as a revolving bright Light which gradually analys in brightest period once avery minute, and as gradually declines until it totally, disappears to the distant observer,

whils, when viewed from a short distance, it is a ser entirely invisible. The lantern, which is open all round, elevated 95 feet above the level of the sea at High Water Spring Tides, will be seen from the deck of a vessel at a distance of 15 Nautical miles.

As a beacon during the may the light-house will be As a beacon during the may the light-noise will u-known by the following description. It stands on a rock, which measures 350 teet long and 100 broad and is 34 feet high at its highest point above the level of H. W. Sp. Tides. The Light House is a Pillar of diressed granits and the Lantern covered by a Sphenical dome which is painted white. W J. IUTTERWORTH. Govr. of P. W Linud, Singapore

and Malacca.

Singapore, 24th Sept 1851.

distant 12 miles.

Annex 57

Letter from Butterworth W.J. (Governor of the Prince of Wales Island, Singapore and Malacca) to Church T. (Resident Councillor at Singapore) dated 28 Oct 1851

447

: 28 Oct 1851

<u>No. 388</u> G/No. 781 of 1851

To,

The Resident Councillor at Singapore D/ Singapore 28th Oct 1851

Sir,

I have the honor to acknowledge the receipt of your letter under date the 27th Instant No 134, reporting on the Establishment necessary for the Horsburgh Light House, as requested in the 8th Para, of my letter under-date the 23rd August last No 313, and intimating that a detailed Statement of expenses incurred. with Plans &ca. will be transmitted at the close of the year.

The whole of the arrangements proposed in your communication have my entire approval, and the Establishment noted in the margin* is hereby sanctioned from the 25th Ulto. The Lantern which is of a more complicated construction, than I could have wished, will remain under the " charge of Mr Thomson, to whom my best thanks, are due for his readiness in undertaking this additional work.

The Horsburgh Light House, which will hand down Mr Thomson's name to the latest posterity, is a noble structure,

*							
1 Head Light Keeper	Rs	90	0				
1 Second Do-Do-		80	U	P			
2 Syrangs at 25 Rs each		50	и	"			
3 Tindals " 16 - Do -		48	н	11			
6 Lascars " 13 - Do -		78					
and		346	11	n			
Rice, Salt fish, Oil & Salt to							
8 men on duty at Light		20	ц	.,	266	0	n
House		20			366		
Total Estabmt & Rations					366	ù	41
Contingencies							
Oil for Lantern 3 1/2 Piculs		55	ц	"			
Cotton wicks, Cloth & rouge		10	0	и			
Glasses / Chimnies		17	61	н			
Paint & Varnish for Lantern							
Railings, awnings &ca &ca		20	11				
Expenses of Superintenden	E	20	n	н	122	н	*1
in visiting Light House					122		
Total Monthly Expenses				Rs	488	0	17
Total Annual Do					5856		Н

and when the difficulties encountered by that Gentleman in the commencement of this novel undertaking, at a distance of 40 Miles from Head Quarters, on a bare Rock in the midst of the open Sea, are taken into consideration, its completion in the incredibly short space of 16 Months, speaks volumes for Mr Thomson's skill, perseverance, tact and temper with the Natives, which I shall not fail to set prominently before the Government of India.

> l have &ca Sd/ W J Butterworth Governor

28th Oct 1851

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2/1 h=384 ' Elde you Aber. The boy of a letter from the Auiden Mouncillos at Malaca 16th alerter 1857 Le 58 5- Heportin on the fracticatility of am for the delivery funfaid The Contract Mail letters 1 Packetts at malacca direct in. tead of sending buch on to Lingapore - Furnished for the information of the Acident Singapore and Janneiller at mication to the Lor con Pail Matter-Il dingapore 21th let 1052 <u>h: 388_</u> The aledide Mouncillor Af dingapole 28th Och 1877. day -Thave the honor to ac-Knowledge the receipt fryon letter under date the 27 - antiant nº 134 reporting on the Establish. : event necessary for the chort. . burgh dight about as requested

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in the stana obmis letters nder date the 23? Annual last he 313, and internations that a detailed state. herten resincuried " ya ill. clan e hautmetted at the clase the year The whole offer arrangements proposed in minic n Con eathroad, and have my nent moted in the Le State haven -I dead dight telper - to 90 1 hand los - los ----2 logange 120 Reach ---3 Vindale - 16 los --hevely dance -50 48 timed pom 6 Ladeard - 13 48 4 4 der . 346 . . and. the 25th alter Aice Sall fish, alt falt to 8 even on dutyal The dantern Light worke - - --366 20 . . michilla 46 Total Statent & Rationsmore comple. Contingenciel. al for Lanter 31/2 Picels mists cloth thouge -cated con-10 Glasses/ Chimines Anotion then 1 + Parish forts hailings, arrings P. P. 21 Expenses of Inperintender I could have 122 . " 20 mithed mill Total monthly Splan 488 Total Annual de 1585 . der the charge of me Thomson tom hell thanks are done

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due for his readinces in andertaking this additional morth . The Kostinghe Light Amer, hist will hand down alle Thomas mame to the latest patterity is a mable thusture and when the difficulties encountered by that bentteman in the commencement of this novel undertaking, at a shis. trance of youtlikes from alead. Quarters on a bare clock in the middle of the open dea, are taken into consideration, ets completion in the incuscibly Short Space of 16 Months speaks volumes for Mr. thomson' Shill perseverance, tactions temper with the Natives which I shall not fail to jet prime. the below the bourners of Indias. Share in dall. I. Butterrott 14 Del 1854

Annex 58

Letter from Butterworth W.J. (Governor of Prince of Wales Island, Singapore and Malacca) to Halliday F.J. (Secretary to the Government of Bengal) dated 1 Nov 1851 : 1 November 1851

General Nº. 794 of 1851

Date

No. 42

From

The Governor of P. W. Island Singapore, and Malacca

То

F. J. Halliday Esquire

Secretary to the Government of India

Fort William

Dated Singapore 1st November 1851

Sir

I have the honour to transmit for the information of the Government of India, the accompanying copy of a letter from the Resident Councillor at this Station reporting on the establishment that is deemed necessary for the Horsburgh Light House, recently completed on Pedra Branca at the entrance of the China Sea, of which I submitted a Notice under date the 26th September last N^o. 25. To M^r. U. Secretary Seton Karr's address

2. I will not trouble Government with the lengthened correspondence that has passed on this subject, since the transmission of my last communication dated 9th November 1850 No. 133*, but I should be doing injustice to one of the most zealous, and indefatigable public Servants in the Straits, M^r. Thomson the Government Surveyor at this Station, if I omitted to notice the difficulties he had to encounter at the outset of this work, difficulties which would have rendered the undertaking hopeless to most people. The Contractor ran away. The workmen mutinied and on one occasion, when supplies failed them, they were removed to the Gun boat on Casks, so great was the force of the waves upon the Rock, and yet in the short space of 16 Months from the time, the foundation Stone was laid, during Six of which, the North East Monsoon prevailed, and all work was suspended at Pedra Branca. This noble Structure of Cut Granite has been raised a proud beacon to the Mariner; the advantage of which may be estimated, by the fact of 24 Vessels' having been lost or damaged in that vicinity during the past quarter of a century.

3. I cannot speak too highly of the Skill. perseverance, tact, and temper displayed by M^r. Thomson throughout the period that he has been engaged in this novel undertaking, which would be attended with much anxiety in any part of the Straits Settlements, and how much this anxiety must have been augmented by the distant position of Pedra Branca, an Isolated Rock detached 40 Miles from Singapore, at the entrance of the China Sea, which at particular Seasons is most boisterous, will readily be believed.

^{*}Vide annexed List 4. The Light House is now completed, and in full operation, and I may say, that a more brilliant Light, is not to be seen in the Indian Seas, combining all the modern improvements adopted in the Mother Country a little too complicated perhaps for so isolated a position, but readily managed by the present attendants, under the direction and control of M^r. Thomson the Government Surveyor, who has consented to take charge without any addition to his Salary as Surveyor till the subordinates have become thoroughly conversant with the Machinery.

۰۰.

5. The Cost of the Light House, Lantern &^{ca} &^{ca}, will not exceed the original Estimate, and Subsequent additions Sanctioned by Government, an unusual, if not an unprecedented fact in Engineers estimates generally and I should wish, with the permission of Government, to present M^r. Thomson with the sum of 1000 Rupees or £100 for bringing the work to such a speedy and satisfactory conclusion, just as a mark of Special approbation which would, I think, prove very gratifying to that gentleman.

Cost of Tower & Out Works Spanish Dollars 17,810-81 Do of Lantern Apparatus Lightning Conductors and Additional Lenses 6331-00 <u>Spanish D^{rs} \$ 24,141-81</u> <u>Or C^{os} Rs 54,206-6-6</u> 6. The details of Expenditure, Survey Plans &^{ca} with a full report of all his proceedings will be sent in by M^r. Thomson at the close of the Year; in the mean time I am able to mention that the total outlay has been only Spanish Dollars 24141-81 or C^{os} Rs 54,206-6-6 as noted in the margin, and I now turn to the chief object of this letter, Viz. to make known to Government the cost of the Establishment which is found necessary for the efficient management of the Light.

1 Head Light Keeper Rs	90.00	7.
1 Second Ditto Ditto	80.00	
2 Syrangs 25 Rs each	50.00	
3 Tindales 16 * *	48.00	
6 Lascars 13 * *	78.00	
	346.00	
Add		
Rice, Salt fish, Oil and Sa	lt 10	
8 men on duty at the Ligh	t House	
	20.00	
Total Establishment		<u>366.00</u>
and Rations		366.00
Contingencies		
Oil for Lantern 3½ Piculs	55.00	
Cotton Wicks Cloth &		
Rouge	10.00	
Glasses chinnies	17.00	
Paint & varnish for lanter)	
Railings & ^{ca} & ^{ca}	20.00	
F (0)	1	
Expenses of Superintend		
In visiting Light House	20.00	122.00
		122.00
Total Monthly Expenses		488.00
C ^{or} Rs		<u>466.00</u> 5856.00
Total Annual Ditto		3030.00

The difficulty of obtaining trustworthy people has been very great, and the necessity, imperative, for increasing the number of persons, and the rates of pay, originally proposed for the charge of the Light House, so as to render the Service desirable, and thereby to prevent the frequent changes, which would otherwise take place, to the probable injury of the Machinery of the Light, or Lantern, and possible peril of the Navigator; I am therefore satisfied that Government will of having Sanctioned the approve my Establishment noted in the margin from the 26th Ultimo the day the people were entertained which and with the probable contingencies will amount to C^{os} R^s 5856 per annum.

To the Government of Bengal 8. I beg in conclusion, to suggest that the Draft Act, submitted with my letter under the date 13^{th} February 1850, N°. 22, for the Levy of Light dues, may have early publication, should it have received the approbation of the most Noble the Governor General in Council with a view of meeting the above expense, and that which will be incurred for the Establishment of the Light Ship on the $21/_2$ fathom Bank, in the Straits of Malacca: the only alteration I have to propose is, that the rate of Light Dues should be raised to three Cents of a Dollar per Ton for all square rigged Vessels on the principle laid down in the 2nd Clause of the aforesaid Draft Act.

I have the honour to be &^{ca} S^d/ W. J. Butterworth Governor

1st November 1851

Home 1851/2 Depart^t Marine

Gov^r Straits Settlements

No. 42

D/ 1st Nov^r.} R/ 3rd Dec^r.}

Cons. 6th Feb No. 3

Forward with observations a Dispatch from the Resident Councillor at Singapore relative to the Estab^t necessary for the Horsburgh Light House on Pedra Branca. Requests early passing of the Draft Act relating thereto and suggests that the rate of Light Dues in that Act be raised to 3 cents of a Dollar per Ton for all square rigged Vessels.

. magniger . . film Alone ?: enals charge is MUCHERID CHAR HIS MUCHED hono 1 burr m m 961 M JA U 6.5 =1 Ć T moun -2.634 movie

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um, when supplies, ailed their they were reioved to the fun boat on britis is great was the ere of the waves whin the Roch and yet in shart space of 10 Months from the titue; the undertion Stone was laid during dise of which E North Cash Monsoon prevented, and all work was suspended at Perela Branco Shis noblethree to a plan Grand har beer soused a mand bearon to the Monance; be. du antage of which may be estimated, by the g 0/24 having been lost in Samoged in that Vide mm vicinity during the past quarter of a century. Bearing speak too Lighty of Shill, porressince, tack and temps desplayed I that he has thisushow M. Thomas the. been engaged in this morel r which inculal be attended with any part of the Straits Settlemente and how this much much have an augmented the distant passtion of Praise & Rock detached 40 Milishon Singa = are at the entrance of the blind dia, which at particular coleanous is mant backlowns, will washe h House is new completed ten, and Anna y son that brilliant light, is no to be shen in the Indian Sens. simplicing will the sudern im= adapted in Mother. Countre hievenues little too complicated forhome for so alid a position but readely manicas 041725 18 421 . 2 Store Bord Sala Machine CopyRight (India. Cara da india

presen sender the direction and control The Government aurveyor; .cf. M.F. take charge withs is A alway of Surver therough the ardinates have become Maching the. he back of the Light House 5 Hea. 11 in Marcal Estim ale, and whenne in tip Astigned much a ere with becom 100 6 Inpers . work to such a sace as a mark Special approbis himon, inst thank pro tion twhich would & lying to that gon theman, I compendation Annung Plans yea with a full report of all his bores send an by Mr. He on no the close turean h metting has bee ta 6 parto <u>I</u> 3.4.2. A.K. 6.6 ser no tea in Cas in Uber Harks the same giving send 17810 - 81 Manterit 6331-50 Lighting Con cheref object of additional See Ber Vigt to make Shamich Dra A. 24.141-81 Karasm 10 53206-6-6. ment in bos Per the catesting গ্রমাতনগর, গ্রহণার লালুল সার্বসায়

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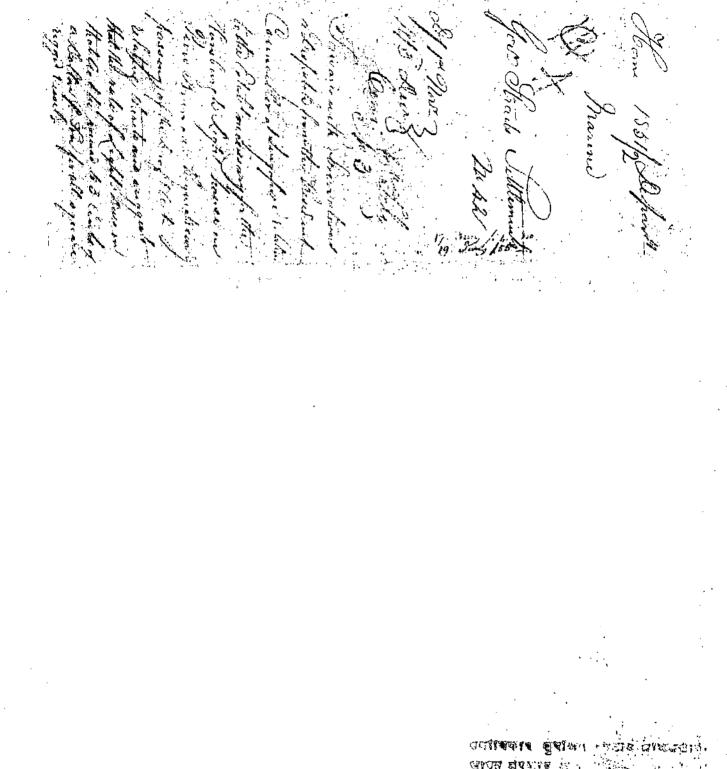
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Annex 59

Act No. VI of 1852 (India)

1.12

Passed by the Governor General of India in Council, on the **30th January 1852**.

An Act for defraying the Cost of a Light-House on Pedra Branca.

WHEREAS it has been deemed expedient, for the safety and guidance of Ships navigating the China Seas, to build a Light-House on the Island Rock called Pedra Branca, situated at the Eastern entrance of the Straits of Singapore; And whereas certain sums of money were subscribed by private individuals for that purpose, but the same were insufficient to defray the expense of building such Light-House; And whereas the East India Company agreed to build such Light-House, and to advance certain sums of money to complete the same, on condition that the said sums of money were repaid to them by the levy of a toll on Ships entering the harbour of Singapore; And whereas the said Light-House has been built by the East India Company, and it is desirable that the expense of building the same, and of maintaining a Light thereon, should be defrayed out of the monies arising from such toll; And whereas it may hereafter be deemed expedient to establish other Lights or beacons in the Straits of Malacca, or elsewhere near thereto, It is enacted as follows:

I. The Light-House on Pedra Branca aforesaid shall be called "The Horsburgh Light-House," and the said Light-House, and the appurtenances there unto belonging or occupied for the purposes thereof, and all the fix-

tures,

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tures, apparatus, and furniture belonging thereto, shall become the property of, and absolutely vest in, the East India Company and their successors,

II. From the first day of March 1852, every Ship, being of the burden of fifty tons and upwards, which shall arrive at, or enter the harbour or roadstead of Singapore, from any part of the world, shall pay a toll of three cents of a dollar per ton for every ton of her registered burlen or tonnage; Provided always that no Ship shall pay such toll more than once in every six calendar months.

III. All Ships of War belonging to Her Britannic Majesty, or any Foreign Government or State, and all armed Ships belonging to the East India Company, shall be exempt from the payment of such toll.

IV. The management and controul of the said "Horsburgh Light-House," and of the keeper thereof, and of everything relating thereto, is hereby vested in the Governor of the Straits Settlements.

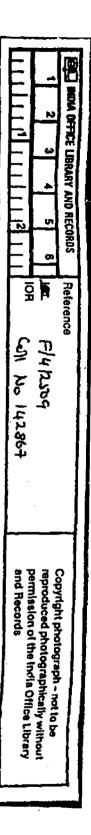
V. The said Governor may appoint any person he may think fit, to be a Collector of the tolls, payable under this Act.

VI. Out of the funds raised by such tolls, an efficient Light shall be constantly kept up and exhibited during the night-time in and from the said Light-House, and the surplus monies arising from such tolls, after deducting the expense of maintaining such Light as aforesaid, shall, from time to time, be paid over to the said East India Company, in liquidation of the monies they have advanced towards the erection and completion of the said Light-House, and the apparatus and furniture thereof.

VII. The toll to be levied under this Act shall become due and payable immediately on the arrival of every Ship liable thereto within the harbour

harbour or roadstead of Singapore; and, immediately on the arrival of any such Ship within the said harbour or roadstead, the Collector appointed under this Act shall demand, or cause to be demanded, from the Master or other person in command of such Ship, payment of the toll of three cents of a dollar per ton for every ton of the registered burden or tonnage of such Ship, and if the same be not paid within two days after such demand made as aforesaid, or if, at any time after the arrival of such Ship as aforesaid, the said Collector shall have cause to suspect, or believe, that such Ship will immediately leave the said harbour or roadstead without paying such toll, it shall be lawful for any Justice of the Peace, upon an affidavit to that effect being made before him on oath by such Collector (which oath the said Justice is hereby authorized to administer), to issue his Warrant under his hand, directed to any Peace Officer of Singapore aforesaid, to enter on board such Ship and to seize and carry away any of the Goods, Merchandize, Guns, Tuckle, Apparel or Furniture of or belonging to or on board such Ship, and to keep the same for the space of three days then next, unless the said toll shall be in the mean time paid; and in case the amount of the toll due by such Ship shall not before the expiration of such three days have been paid, then the said Collector may cause the said Goods, Merchandize, Guns, Tackle, Apparel or Furniture so seized to be sold, and out of the proceeds of such sale shall pay the amount of the said toll to which such Ship shall be liable, together with the reasonable charges of the seizure, detention, and sale, rendering to the Master or Owner, or other person having the command of such Ship, the overplus (if any) on demand.

VIII. The Officer of Government whose duty it shall be to grant a Port-clearance for any Ship clearing out of or leaving the port of Singapore aforesaid, shall refuse to grant such Port-clearance to any Ship until the Owner, Agent, Master or other person in command of such Ship shall produce a certificate from the Collector appointed under this Act that such



such Ship has paid the amount of toll to which she is liable under this Act.

IX. Notwithstanding anything in this Act contained, the said Collector appointed under this Act, may sue for and recover the amount of any tolls payable to him under this Act, by action of debt or suit in Equity in any of Her Majesty's Courts in India, against the Owner, or Master, or other person who, at the time of default made in the payment of such toll, owned or had the command of any Ship liable thereto.

X. In order to ascertain the exact burden or tonnage of any Ship liable to pay the toll leviable under this Act, the Collector appointed under this Act may apply to any Justice of the Peace to require, and such Justice of the Peace shall thereupon summon and require the Owner, Master, or other person in command of such Ship, or any person having possession of the same, to produce the register of such Ship for the inspection of such Justice, and upon the refusal or neglect of any such Owner, Master, or person to produce such register, it shall be lawful for such Justice to adjudge such Owner, Master, or person to pay a fine not exceeding one hundred dollars, and in default of payment, to be imprisoned in Her Majesty's Gaol for any period not exceeding two calendar months.

XI. When and so soon as the monies to be advanced by the said East India Company towards the erection and completion of the said Light-House shall have been fully repaid and liquidated in manner herein provided for, it shall be competent for the Governor of the Straits Settlements to build, or cause to be built, one or more other Lights or beacons for the safety and guidance of Ships in such part or parts of the Straits of Malacca, or near thereto, as shall be deemed expedient, and the cost thereof, and of maintaining the same, and of keeping up and exhibiting a Light or

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eproduced photographically withou permission of the India Office Library Records 2 ŧ Ŋ Call No 14287 F1412509 ₫ <u>5</u> •

or Lights therefrom, shall be defrayed out of the surplus monies arising from the toll payable under this Act, after defraying the current expenses of maintaining the "Horsburgh Light-House" aforesaid.

XII. Nothing in this Act contained shall be construed to authorize the levy of a toll upon any Ship passing through the Straits of Singapore and not entering the suid harbour or roadstead of Singapore aforesaid.

XIII. The word "Ship" throughout this Act mentioned, shall be held to mean and include a Schooner, Cutter, Brig, Brigantine, Barque, Junk, Steam-Boat, and every other Vessel, as well as a Ship; and words importing the singular number only shall include the plural number, and words importing the plural number only shall include also the singular number, and words importing the masculine gender shall extend to females, unless there be something in the subject or context repugnant to such construction.

The foregoing and to be published for Jeans & Contonnation

Calcuta, 1852 :- Printed at the Bengal Military Orphan Press, by F. Carbery.

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Annex 60

"Statement of the Proper Receipts and Disbursements at Singapore for the Official Year 1851-52, exclusive of Military and Convicts" in the Singapore Free Press and Mercantile Advertiser (18 June 1852)

	of Millitary Bi	Id Convicts.
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h i	Do. of Pres from the Court of	Do of Aminiana Resident. 10,000 0 0
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		4 Salary and allowances of the Governor
		and officiating Governor & Ertablishmant 10,529 6 11
		Bostering Dollar of Mr. H., B. Mackennie,
		Aget, under the Governor of the Straits, 2,167 2 3
		Do. Allowance of Mr Garling, Civil Servant, out of employ, from 26th Decr.
		1851 to 31st March 1852
		Ba, Salary of the Recorder & Establishment 15,001 13 4
		Do. Do. of Registuar of the Court of
		Judicature 6,973 5 4
		Do. of Pension of Mr T. G. Mitchell 333 5 4
ł		Do, of Expenses of the H. C. steamer
5		Hoo, his
		Breess of Receipts
	and the second	Comrany's Rupees 400,911 14
	Commany's Russet 400 911 10 1	Comban 1 a traise at a resident

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fresh-Do. of Pension of Mr T. G. Mitchell ... to go Do. of Expenses of the H. C. steamer o the Hoo. kli 9.445 ll had sun Excess of Receipts. 145.996 must Comeany's Russes. 400.911 10-1 these Company's Rupes 400,911 14 n, Mr 1 Ben-Statement of Expenses incurred for Convicts at Singapore during st and Statement of Expenses incurred for the Military serving a the Official Year 1851-52, debited to the Presidencies, they. Singapore during the Official Year 1451-52, debiled reated Salary of Superintendent of Conto Madras. her of victe, exclusive of Military Pay Support 5,739 1 with Amount raid at Singanore to the Troops stationed themiel Establishment of the Convict de-4th of there, including Commisserial, Engineers and Dartment 8.502 -5 Bate-Magazine Department. Establishment of Convict Hospital 124.858 0 1,020 **O** 26th. Do paid at Madras on account of Family Certifit's Contingencies. 5.625 12. cates 8, 00 Supported by Government, Rations and Clothing of Convicts 39 227 10 Do value of Provisions invest to the Troops...... over-14.182 15 .6 including Money allowance. 44,326 10 1852. Do. of Military Contingencies Including repairs ... 56 0.937.10 6 Do Miltary Pay of his Honor the Governor ... **107** 10 1,891 65,213 12 - 2 11 Do ditto of Su erintendent of Convicts. DEDUCT honai 1.461 0 *** May Do. of Military stores issued to Troops (unknown) Received from Municipal Fund for Gui 00 0 Ū. Expenses incurred for the Periodical Relief of Victa hire of Convicts ibute. 5,382 Troops (ubkilown.) 00 id to Ô 1.1.1 e 7th that ed at bad shut count Company's Rujees __ 187,556 Company's Rubees. 59.831 12 very time T. CHUROH. l the Singapore, 1st May, 1852. Resident Councillor. sel to NG frequent amongst the Chinese population, as every and Mr. Blundell allowed the charges to be withculty person connected with the administration of justice draws. In solling thus he had no doubt allowed Jence. (From the Plaung Gasette, May 29) and every resident of experience knows to be the himself to be persuaded that the very sections manner By the steemer hanghai we received case, there need he no more hesitation to confiscating a ju which he had at first taken up the matter, and the

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