



STAMP AFFIXED BY.

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STAMP COLLECTOR.

INDIA



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THIS LEASE is made the 12th day of April 1961 One thousand nine hundred and sixty-one BETWEEN THE ANGUS COMPANY LIMITED a company with limited liability incorporated under the Indian Companies Act 1913 whose registered office is situate at 3, Clive Row, Calcutta (hereinafter called "the Lessor" which expression shall where the context so admits include the person or persons for the time being entitled to the reversion immediately expectant upon the determination of the term hereby created) of the one part and BRAITHWAITE & CO. (INDIA) LIMITED a company with limited liability incorporated under the Indian Companies Act 1913 whose registered office is situate at 4, Clive Row, Calcutta (hereinafter called "the Lessee" which expression shall where the context so admits include its successors in interest and assigns) of the other part.

WITNESSETH as follows:—

1. In consideration of the rent hereby reserved and of the covenants conditions and agreements hereinafter contained and on the part of the Lessee to be paid observed and performed the Lessor HEREBY DEMISES unto the Lessee ALL THAT piece of land comprising 16.724 acres or thereabouts situated within Hooghly District West Bengal which said piece of land with the boundaries thereof is for the purpose of identification only more particularly delineated on the Plan No. I annexed hereto and thereon edged with red TOGETHER WITH the yard workshops power house boiler house bungalows factories godowns canteen and other buildings and structures erected thereon or on some part or parts thereof more particularly described in the First Schedule hereto all as delineated and coloured blue on Plan No. II annexed hereto AND TOGETHER ALSO with the immovable machinery and plant and other fixtures and fittings belonging to the Lessor therein or in some part or parts thereof more particularly described in the Second Schedule hereto (all which said premises have heretofore been known as "The Angus Engineering Works" and excluding the exemption and reservation hereinafter made are hereinafter collectively referred to as "the demised premises") AND TOGETHER ALSO with all rights privileges easements and appendages advantages and appurtenances of whatever nature relating to the demised premises or usually enjoyed in connection therewith AND TOGETHER ALSO with the right in common with the Lessor and all tenants of the Lessor and other persons entitled thereto to pass and repass with or without motor cars lorries carriages carts and vehicles of any description not exceeding 15 tons gross weight over and along the roadways coloured green on the said Plan No. II annexed hereto leading from the demised premises to the Grand Trunk Road EXCEPTING AND RESERVING unto the Lessor (a) the land and premises within the curtilage of the said Angus Engineering Works more particularly described in the Third Schedule hereto all as delineated and coloured yellow on Plan No. III hereto annexed now held by The Lagan Jute Machinery Company Private Limited under two Leases (hereinafter referred to as "Lagan's Leases") both dated the twenty-eighth day of March 1957 made between the Lessor of the one part and the said Lagan Jute Machinery Company Private Limited of the other part for the term of 20 years from the 1st March, 1956 but subject to earlier determination as therein provided and (b) all rights pertunents and privileges granted under Lagan's Leases including the rights of access as therein defined TO HOLD the same unto the Lessee for the term of 99 years from the first day of February 1960 YIELDING AND PAYING therefor during the said term free from all deductions a yearly rent of Rs. 4,00,000/- (Rupees Four Lakhs) payable quarterly in advance on the first day of February, May, August and November in each year.



Stamp Act

1899, Schedule IA No. 35(1)(1)

Free paid as m...

Rs 100/-

Calcutta.

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2.

The Lessee HEREBY COVENANTS with the Lessor as follows :—

- (1) To pay the rent hereby reserved on the days and in manner aforesaid.
- (2) To pay all existing and future rates taxes cesses and all other outgoings and impositions including any increase or increases therein (other than land rent for which the Lessor is liable under the terms of Clause 3(2) hereof) payable in respect of the demised premises either by the owner or occupier thereof.
- (3) To pay all charges including electricity duty on quantities supplied for electricity consumed in the demised premises whether supplied from the generator situate on the Lessor's adjoining land or from the Calcutta Electric Supply Corporation Limited or otherwise.
- (4) In the event of the demised premises or any part thereof being damaged or destroyed by fire explosion tempest earthquake storm flood riot civil commotion war act of God or other irresistible force forthwith at its own expense to rebuild or reinstate or replace the demised premises so that the same may be restored to the condition they were in before the destruction or damage took place.
- (5) Subject to Clause 3(5) hereof throughout the said term at its own cost to keep the exterior and the interior of the buildings and other structures comprised in the demised premises in good and tenantable repair reasonable wear and tear always excepted as also the immoveable machinery plant fittings and fixtures in good working order repair and condition but only for so long as such order repair and condition can be maintained by proper care and maintenance and by actual repair and/or minor replacements PROVIDED ALWAYS that notwithstanding anything to the contrary herein contained the Lessor shall not be entitled to exercise any remedy against the Lessee for breach of this covenant unless the Lessee shall have failed within three months to comply with a notice in writing from the Lessor specifying the want of repair for which the Lessee is liable hereunder and calling upon the Lessee to make good the same.
- (6) Not to transfer assign charge mortgage hypothecate sublet sell dispose of or in any way part with the possession of the demised premises or any part thereof or interest therein without the previous written consent of the Lessor (which may be given conditionally or otherwise) which consent the Lessor shall not unreasonably withhold in the case of a respectable and responsible mortgagee hypothecatee or sub-lessee. PROVIDED ALWAYS that the Lessee notwithstanding anything to the contrary herein contained shall be entitled to mortgage and/or hypothecate the demised premises or any part thereof to its Bankers in the ordinary course of business.
- (7) To permit the Lessor or its agents or surveyors with or without workmen and appliances at all reasonable times in the day time on giving previous notice and making a prior appointment to enter upon the demised premises to take inventories of the Lessor's fixtures and fittings therein and to view the condition thereof and of all defects decays and wants of repair there found and to give three months' notice in writing to the Lessee to repair any defects for which the Lessee shall be liable under the terms of sub-clause (5) of this Clause.
- (8) Not to store any inflammable or combustible goods or explosive substances in the demised premises except such amount or quantity as may be reasonably required in connection with any business for the time



being carried on by the Lessee and not to commit or cause to be committed any act or thing which may cause damage or injury to or prejudicially affect the demised premises.

- (9) Not to carry on or permit to be carried on in any part of the demised premises any offensive illegal or unlawful manufacture trade or business but to use the same for the purposes of any business for the time being carried on by the Lessee.

- (10) To take all reasonable steps to prevent any encroachment on the demised premises or any part thereof by any person or persons and to give notice to the Lessor of any threatened encroachment.

- (11) At the expiration or sooner determination of the term hereby created to yield and deliver up to the Lessor vacant possession of the demised premises in good and tenantable repair and all fixtures and fittings therein belonging or to belong to the Lessor reasonable wear and tear always excepted.

3. The Lessor HEREBY COVENANTS with the Lessee as follows :—

- (1) That the Lessee paying the rent hereby reserved and observing and performing the covenants conditions and agreements herein contained and on the Lessee's part to be observed and performed shall and may quietly and peaceably hold and enjoy the demised premises throughout the term hereby created without any interruption by the Lessor or any person or persons lawfully claiming through under or in trust for the Lessor.

- (2) To pay all land rent now or hereafter to become payable in respect of the demised premises or any part thereof to the superior landlord.

- (3) At a cost to be agreed and paid by the Lessee to provide at all times a supply of water for the demised premises equivalent to the supply being given immediately prior to the execution of these presents from the existing well situate on the Lessor's adjoining land and in the event of such supply failing for any reason outside the control of the Lessor to use its best endeavours to make available an equivalent alternative supply of water for the demised premises at a cost likewise to be agreed and paid by the Lessee.

- (4) For so long as the Lessee shall require the same to provide during such periods as may be agreed between the parties hereto a supply of electricity to the engineering works or factory portions of the demised premises including godowns and connected buildings or structures from the generator situate on the Lessor's adjoining land and a supply of electricity from any source from which procurable to the residential premises comprised in the demised premises the Lessee paying for all the electricity so supplied and the electricity duty in respect thereof in accordance with Clause 2(3) hereof.

- (5) To permit the Lessee to pull down and remove such buildings and structures comprised in the demised premises as the Lessee may reasonably require to pull down and remove and further to permit the Lessee to dismantle and remove such machinery plant fixtures and fittings comprised of the demised premises as the Lessee may reasonably require to dismantle and remove PROVIDED ALWAYS the Lessee restores or rebuilds such buildings or structures and/or installs other machinery plant fixtures and fittings all being of not lesser value and suitable for the type of business then being carried on in the demised premises in replacement thereof or in substitution thereof AND it is hereby agreed and declared that the Lessee shall be entitled to instal machinery plant fixtures and fittings in lieu of restoration or rebuilding of buildings or structures and to construct or build buildings and structures in lieu of installation of

machinery plant fixtures and fittings PROVIDED ALWAYS that the privilege hereby conferred shall only be exercised by the Lessee in such manner and to such extent that the value of the demised premises shall not at any time be less than the value thereof immediately prior to any such installation restoration or rebuilding as aforesaid and further to permit the Lessee to make such additions therein so long as such additions or alterations do not adversely affect the character or value of the demised premises and to erect such new buildings or structures and to instal such new machinery plant fixtures and fittings as the Lessee may reasonably require and to permit the Lessee to lay down remove and relay from time to time pipes for sewage water gas and electricity mains and to sink wells so long as such sinking does not adversely affect supplies of water from tube-wells already sunk on the Lessor's adjoining lands in the demised premises PROVIDED ALWAYS that the Lessee shall first provide the Lessor with plans and specifications of any such proposed works as aforesaid and the Lessee shall before commencing any such works obtain all necessary licences and sanctions as may be required by law in that behalf.

(6) Upon expiration by efflux of time of the term hereby granted to permit the Lessee to dismantle and to remove any new buildings or structures machinery plant fixtures and fittings constructed or installed in or about the demised premises during the currency of this lease PROVIDED ALWAYS that the Lessee shall make good any damage caused to the demised premises or any part or parts thereof occasioned by such dismantling and/or removal so as to leave the demised premises in the same state and condition as the same were in prior to construction and/or installation of the said new buildings or structures machinery plant fixtures and fittings as aforesaid.

(7) If the Lessee shall be desirous of continuing the tenancy hereby created for a further term from the expiration of the term hereby granted and of such its desire shall give to the Lessor notice in writing not less than two years before the expiration of the term hereby granted and if there shall not at such time be any existing breach or non-observance of any of the covenants on the part of the Lessee hereinbefore contained then the Lessor will at the expense of the Lessee execute in favour of the Lessee a lease of the demised premises for such further term from the expiration of the term hereby granted as the Lessee shall specify in such notice as aforesaid at a rent which shall be equivalent to five per cent of the depreciated value of the demised premises but subject always to a minimum rent equivalent to the land rent and other outgoings legally payable by the Lessor as the owner of the demised premises and containing the like or lesser covenants conditions and agreements as are herein contained. For the purpose of this sub-clause the expression "depreciated value" shall mean the value of the demised premises obtained by reference to the going concern valuation thereof made by Messrs. Edwards, Son and Bigwood, Surveyors and Valuers, Birmingham, England, and specified in the Fourth Schedule hereto annexed reduced by depreciation annually at the respective rates laid down in the Indian Income-tax Act 1922 and Rules made thereunder as in force at the date of execution of these presents.

4. IT IS HEREBY AGREED and DECLARED by and between the parties hereto as follows :—

(1) If the rent hereby reserved or any part thereof shall remain unpaid for 60 days after becoming payable (whether demanded or not) or if there



shall be a breach of any of the covenants hereinbefore contained and on the part of the Lessee to be observed and performed or in the event of the Lessee at any time during the continuance of the lease hereby granted going into liquidation whether voluntarily or compulsorily save and except for purposes of amalgamation or reconstruction the Lessor may at any time thereafter re-enter upon the demised premises or any part thereof as in name of the whole and thereupon this demise shall absolutely cease and determine and all buildings structures machinery plant fittings and fixtures erected or installed by the Lessee whether under the provisions of Clause 2(4) and/or Clause 3(5) hereof or otherwise shall become and remain the property of the Lessor so that the Angus Engineering Works shall revert to the Lessor as a going concern PROVIDED ALWAYS that in respect of new machinery plant fittings and fixtures installed under the provisions of Clause 3(5) hereof the Lessor shall compensate the Lessee therefor and the compensation payable by the Lessor to the Lessee hereunder shall be the amount by which the value as a going concern of the Angus Engineering Works or the market value thereof whichever is the less exceeds the capitalised value of the rent which would have accrued and become payable for the then unexpired residue of the term hereby created.

For the purposes of this sub-clause the capitalised value of the rent which would have accrued and become payable for the unexpired residue of the said term shall be such sum as when used for the purchase of an annuity at a rate of interest of 8 per cent per annum would yield a return of Rs. 4 lakhs per annum payable quarterly in advance for the then unexpired residue of the said term.

- (2) On the expiration or sooner determination of Lagan's Leases the Lessor shall offer to demise to the Lessee the land and premises comprised therein save and except the two godowns and workers' latrines therein specified at such rent as shall be agreed upon between the parties hereto for a term equivalent to the then unexpired residue of the term hereby created and subject to the same covenants conditions and agreements as are herein contained such option to be exercised by the Lessee communicating to the Lessor its acceptance in writing of such offer within four weeks from the date of receipt of the same from the Lessor.

- (3) In the event of the demised premises at any time during the term hereby created being acquired by any Government or any local authority under any Act or law for the time being in force then immediately upon possession of the demised premises being taken by such acquiring authority this lease shall cease and determine and the Lessor shall be entitled to receive the whole of the compensation monies payable in respect of such acquisition as may be awarded PROVIDED ALWAYS that in the event that the whole of the compensation monies payable as aforesaid exceeds the capitalised value of the rent which would have accrued and become payable for the then unexpired residue of the term hereby created, the Lessee shall be entitled to receive from the Lessor the said compensation monies to the extent of any such excess.

For the purpose of this sub-clause the expression "the capitalised value of the rent which would have accrued and become payable for the then unexpired residue of the term hereby created" shall have the same meaning as has been assigned to the expression in sub-clause (1) of this Clause.

- (4) The Lessee shall pay the stamp duty and registration fee payable in respect of this Lease all legal and other charges being payable by the party incurring the same.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first before written.

THE FIRST SCHEDULE above referred to :—**BUILDINGS****1. Offices and Stores**

A substantial two storey brick building measuring 195'6" × 60' with flat roof of T and T construction having continuous monitor type roof lighting. Ground floor partly brick and rough concrete, first floor cement screed on T and T construction. The roof and first floor are carried on heavy steel beams supported by cast iron columns. The walls are cement rendered inside and out, and the offices are formed in teak framed hardboard partitioning 6'6" high.

On the Ground Floor : Works Entrance ; Stores Office ; Brass Store and Despatch Section.

On the First Floor : Works Manager's Office ; General Office ; Cost Office ; Private Office ; Labour Offices and Offices let to Lagan Jute Machinery Co. Private Ltd. together with private and staff lavatory accommodation.

2. Machine Shops, Erecting Shop, Moulding and Fettling Shops and Foundry

A lofty single storey building (558' × 214') with substantial brick walls and five span steel framed roof of corrugated iron with continuous glazing to north slope, carried on substantial composite steel columns which also carry the gantries. Floor of concrete and brick on edge.

2A. Machine Shop

A single storey brick building (296' × 32'6") with steel framed flat brick vault roof having monitor type roof light, carried on heavy steel beams supported on cast iron columns. Floor of bricks on edge.

3. Covered Roadway

Corrugated iron roof (156'6' × 37') on steel trusses between buildings.

4. } **Drop Stamping, Heat Treatment and General Smithy**
 4A. }
 4B. }

Lofty three bay steel framed building (120' × 45'6" ; 45'6" × 18" ; 156'av. × 85' ; 50' × 18') with roof part corrugated asbestos and part corrugated iron. Sides partly clad in corrugated iron.

5. Steel Stores, Cutting and Crank Bending

A two bay open sided steel framed building (96' × 60'3") with corrugated iron roof, one side and one end half clad with corrugated iron.

6. Pump House

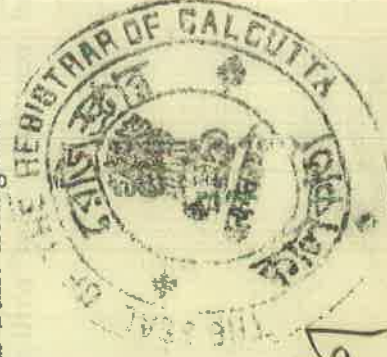
A small brick and tiled building with concrete floor.

7. Workers' Snacks Room

A small brick building with flat T and T roof and concrete floor.

8. Chimney Stack

A square based brick built hexagonal chimney stack approximately 175' in height.



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9. **Power House**

A very substantial lofty brick building (142' × 41'; 142' × 18' and 92' × 18') with flat T and T roof with monitor light, strongly supported floor of T and T construction with basement under. A mezzanine floor forms the Switch Room.

10. } **Boiler House and Pump House**
10A. }

A substantial single storey brick building (118' × 75' and 60' × 12'6") with flat T and T roof and concrete floor. Stokehold open except for part louvred screening of timber.

11. **Storeshed**

Small brick building with lean-to corrugated iron roof.

12. **Storeshed** of similar construction.

13. **Jack Well**

14. **Machine Shop** (Let to Lagan Jute Machinery Co. Private Ltd.)

A single storey five bay brick building with flat monitor light roof of brick arch on steel framework construction carried on cast iron columns. Good concrete floor and section offices and stores formed in rendered brickwork.

15. **Brass Moulding Shop and Castings Store**

Single storey two bay brick building measuring 83' × 65' with roof similar to No. 14 but carried on composite steel trusses supported by cast iron columns.

16. **Moulding Shop**

A single storey brick building 148'6" × 83' with two span steel framed roof of Ranegunge tiles with continuous glazing at ridge, centre valley supported on composite steel columns. The floor is part brick on edge and part 2" cast iron chequer plates. Both bays have gantry steelwork.

17. **Pattern Store, Garage and Canteen**

A substantial single storey brick building 286' × 218' with flat roof of brick vault construction on steel framework having monitor type lights and supported by cast iron columns. Good concrete floor in garage and canteen, and brick on edge in Pattern Store.

18. **Stores**

A similar building to No. 17 above (137'6" × 72'3").

19. **Rough Stores**

An open sided steel framed corrugated iron building.

20. **Coke Store**

A similar building.

21. **Cupola Charging Platform and Gantry**

Open sided steel framed building with segmental roof of corrugated iron.

22. **Durwans' Quarters**

Four single storey brick buildings with corrugated iron roofs and concrete floors. Two blocks of 20 rooms and one of 18 rooms. The remaining block is dilapidated.

23. **The Former Lady Doctor's House and Nurses' Quarters**

A substantial two storey building with 15" brick walls cement rendered, flat roof of lime terracing on R. C. slabs and concrete floors. The accommodation comprises :—

On the Ground Floor : Large Verandah ; Office ; Drawing Room ; Dining Room ; Kitchen and Pantry.

On the First Floor : Large Verandah ; Bedroom with Bathroom adjoining ; Bedroom with Dressing Room and Bathroom adjoining.

The Nurses' Quarters comprise two small single storey buildings, each containing two living units comprising two small rooms, latrine and washroom leading off a small enclosed yard.

24. **Staff Living Quarters**

Two very substantial two storey buildings known as Bungalows No. 5 and No. 6 with cement rendered brick walls, floors and flat roof of lime and brick rubble concrete on T and T construction supported on steel beams with cement screed finish.

Each bungalow contains four living units, each unit containing two bedrooms with adjoining bathrooms, dining room, drawing room, bottle khana and verandah. A range of outbuildings contains kitchens, servants' godowns and stores.

THE SECOND SCHEDULE above referred to—

Part I.

FIXED PLANT AND MACHINERY FIXTURES AND FITTINGS LOOSE TOOLS MOTOR TRANSPORT OFFICE FURNITURE AND EQUIPMENT AND ELECTRICAL AND OTHER INSTALLATIONS

PLANT
No.

"Bharati" transverse Testing Machine of 4 ton 1 qr. capacity (Steel-yard type)

L-1

"LeBlond" 7½" heavy duty belt driven back geared, combination turret lathe, three step cone pulley drive, power feed six station turret, 1¼" h.s. 21" centres with countershaft and striker gear 10½" three jaw chuck etc.

L-2

A similar turret lathe.



PLANT
No.

L-3	"W. Jacks" $8\frac{1}{2}$ " centre single pulley drive, 8-speed geared head S.S. & S.C. gap bed lathe, $4'6"$ between centres, $2\frac{3}{4}$ " h.s. $16"$ dia. four jaw chuck, etc.
L-4	A similar machine.
L-5	Ditto ($6'$ between centres).
L-6	A similar machine.
L-7	A similar machine.
L-8	Ditto.
L-9	Ditto ($4'3"$ between centres).
L-10	Ditto.
L-11	"Fay & Scott" $6\frac{1}{2}$ " belt driven back geared S.S. & S.C. Lathe, $7'$ centres, $1\frac{1}{2}$ " h.s. three step cone pulley drive, with countershaft, etc.
L-12	A similar machine.
L-13	"Brown & Sharpe" belt driven $\frac{7}{8}"$ automatic lathe, with six station turret, front and rear tool posts slides, suds pump, countershaft and striker gear.
G-21	Belt driven $14" \times 1\frac{1}{2}"$ single ended grinder with pedestal stand, work rest, trough, guard and countershaft.
L-14	"Whiten" $7\frac{1}{4}"$ vee bed, centring lathe, $4'$ between centres, single pulley drive, with countershaft etc.
L-15	"South Bend" $7"$ belt driven back geared S.S. & S.C. lathe, $3'$ between centres, $1"$ h.s. face plate, countershaft, etc.
L-16	A similar machine.
L-17	Ditto.
L-18	$8\frac{1}{2}"$ ditto, $4'9"$ between centres.
L-19	"Lang" $6\frac{1}{2}"$ belt driven back geared short gap bed lathe, $2'$ between centres, three step cone drive, $1\frac{1}{2}"$ h.s. q.c. screw cutting gearbox, saddle tail-stock and countershaft.
L-20	"Fay & Egan" $7"$ belt driven, back geared S.S. & S.C. lathe, $4'6"$ between centres, $1\frac{3}{4}"$ h.s. screw cutting gearbox, with countershaft, etc.
L-21	A similar lathe.
L-22	"Le Blond" $7"$ ditto, $6'6"$ between centres.
L-23	"South Bend" $8\frac{1}{2}"$ ditto $4'6"$ between centres.

PLANT No.	
L-24	"South Bend" $7\frac{1}{2}$ " ditto.
L-25	"South Bend" $8\frac{1}{2}$ " ditto 5' centres.
L-26	"South Bend" $7\frac{1}{2}$ " ditto 4' centres.
L-27	"Le Blond" 13" centre back geared belt driven heavy duty combination turret lathe, $4'6"$ between centres, $1\frac{1}{2}$ " h.s. six station turret, q.c. screw cutting gear-box, power feed turret with countershaft, etc.
L-28	"Le Blond" 10" belt driven back geared S.S. & S.C. lathe, $13'6"$ between centres, $1\frac{3}{4}$ " h.s. screw cutting gear-box, double saddle, tailstock, steadies, chuck and countershaft.
L-29	"Lang" $8\frac{1}{2}$ " centre belt driven double back geared S.S. & S.C. lathe, $3'6"$ centres, $1\frac{1}{4}$ " h.s. four step cone pulley drive, gear-box, countershaft, etc.
L-30	A similar ditto.
L-31	"Rahn-Mayer-Carpenter" $8\frac{1}{2}$ " belt driven, back geared lathe, $4'9"$ centres, $1\frac{1}{4}$ " h.s. five step cone pulley drive to saddle with countershaft.
L-32	"Yosikawa" 9" belt driven AGH. gap bed S.S. & S.C. lathe, $4'3"$ between centres, $1\frac{1}{4}$ " h.s. 12-speed gear-box, q.c. screw cutting gear-box, single pulley drive, countershaft, etc.
L-33	"Bell" $8\frac{1}{2}$ " belt driven back geared S.S. & S.C. lathe, $4'6"$ between centres, 2" h.s. pick-off gears, three step cone pulley drive with countershaft.
L-34	"South Bend" $8\frac{1}{2}$ " ditto $4'9"$ between centres, $1\frac{1}{4}$ " h.s. four step cone pulley drive with countershaft, etc.
L-35	"Fay & Scott" $6\frac{1}{2}$ " ditto, $7'3"$ between centres, $1\frac{1}{4}$ " h.s. three step cone pulley drive with countershaft, etc.
L-36	A similar ditto.
L-37	"South Bend" $8\frac{1}{2}$ " ditto, $4'9"$ between centres, $1\frac{1}{4}$ " h.s. four step cone pulley drive, countershaft, etc.
L-38	"South Bend" $7\frac{1}{2}$ " ditto, 9' between centres.
L-39	"Le Blond" 7" ditto, 7' between centres four step cone pulley drive, q.c. screw cutting gear-box, $1\frac{1}{4}$ " h.s. countershaft, etc.
	"Alfred Herbert" hand screw operated bar straightening machine $2\frac{1}{2}$ " throat 14" table with centres $4'6"$ maximum.
	"Guild" vertical double gear and ratchet operated press, $24"$ between columns $24"$ maximum height with hand lever and c.i. base.



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 Registrar of Companies
 Calcutta

PLANT
No.

L-40	"A.E.W." $6\frac{1}{2}$ " belt driven back geared S.S. & S.C. lathe $3'3"$ between centres, $\frac{3}{4}$ " h.s. four step cone drive with pick-off gears and countershaft.
L-41	A similar machine.
L-42	Ditto.
L-43	Ditto.
L-44	Ditto.
L-45	Ditto.
L-46	"Le Blond" $10\frac{3}{4}$ " heavy duty belt driven back geared combination Turret Lathe $7'$ between centres $1\frac{1}{4}$ " dia. h.s. q.c. screw cutting gear-box, three step cone pulley drive with chuck, countershaft, etc.
L-47	"Le Blond" $10"$ back geared belt driven S.S. & S.C. lathe, three step cone pulley drive $13'6"$ centres, $1\frac{1}{2}$ " h.s. q.c. gear-box countershaft, etc.
L-48	"Le Blond" $10"$ back geared belt driven S.S. & S.C. lathe, three step cone pulley drive ditto.
L-49	"Lang" $10\frac{1}{4}$ " back geared belt driven S.S. & S.C. lathe, $10'6"$ centres, four step cone pulley drive, gear-box and pick-off gears with countershaft, etc.
L-50	A similar machine.
L-51	Ditto.
L-52	Ditto ($12'6"$ centres).
L-53	Ditto ($10'6"$ centres).
L-54	Double geared ditto $6'6"$ centres with heavy duty headstock and bed, $30"$ dia. four jaw chuck and other accessories.
L-55	"South Bend" $8\frac{1}{2}$ " back geared belt driven S.S. & S.C. lathe, $5'$ between centres, $1\frac{1}{2}$ " h.s. four step cone pulley drive with countershaft.
L-56	A similar ditto
L-57	"Lang" $10\frac{1}{4}$ " double back geared belt driven heavy duty S.S. & S.C. lathe, $29'6"$ between centres, gap bed with rear grinder, four step cone pulley drive, with steadies, saddle, chuck and countershaft.
L-58	"Le Blond" heavy duty $13"$ belt driven back geared combination turret lathe $4'6"$ centres (as previously described).
L-59	"A.E.W." belt driven cylinder lathe, $26"$ centres, $9'$ between centres, four step cone pulley and back geared drive and $10\frac{1}{2}"$ centre lathe, $9'$ between centres connected by flat belts, countershaft, etc.

N

PLANT
No.

- L-60 "Lang" 10 $\frac{1}{2}$ " double back geared belt driven heavy duty S.S. & S.C. lathe, gap bed, 26'6" between centres, (as previously described).
- L-61 "Shanks" 18 $\frac{1}{2}$ " heavy duty motorised S.S. & S.C. lathe, 30' between centres, with geared head stock, screw cutting gear-box, pick-off gears, double sided saddle, tailstock, steadies, 3' dia. four jaw chuck, directly driven by 25 h.p. d.c. motor, with starter contactor panel, etc.
- L-62 "South Bend" 8 $\frac{1}{2}$ " back geared belt driven S.S. & S.C. lathe 5' between centres, 1 $\frac{1}{4}$ " h.s. four step cone pulley countershaft, etc.
- L-63 A similar ditto.
- L-64 15" Back geared belt driven bar straightening lathe, 25' bed, three step cone drive, R.S.J. bed, with bar straightening trolley, countershaft, etc.
- M-29 "Parkson" belt driven No. 2S geared Universal milling machine, table 46" $\times$ 10", power feed both ways, four step cone drive with gear-box giving 12 speeds, suds pump, vertical milling attachment, dividing head, reduction geared countershaft, etc.
- M-30 "Ford Smith" belt driven back geared horizontal milling machine, table 60" $\times$ 12 $\frac{1}{2}$ " with power feed, three step cone pulley drive with countershaft, etc.
- S-1 "Baker" belt driven vertical keyway slotting machine, table 18" $\times$ 17", throat 12" stroke about 6", single pulley drive.
- M-1 "Becher" type 2A. belt driven vertical milling machine, table 19" $\times$ 9", throat 15" four step cone pulley drive to spindle four step ditto to power traverse with countershaft.
- "Guild" hand operated ratchet press stroke 16", distance between columns 14" on c.i. stand.
- M-2 "Archdale" vertical milling machine, table 44" $\times$ 11", gearbox giving 9 speeds to spindle, 9 feed speeds, s.p. drive with clutch, 6" swivelling machine vice and countershaft.
- M-3 "Becher" No. 4B. vertical milling machine, table 28" $\times$ 10", three step cone pulley drive to spindle and to power traverse of table, with countershaft.
- M-16 "Herbert" No. 16 vertical milling machine, table 56" $\times$ 12", 9-speed gear-box to spindle, 18 feed speeds to traverse, s.p. drive with suds pump, etc.
- M-17 "Parkson" No. 3S. horizontal Universal milling machine, table 57" $\times$ 12", three step cone pulley drive to spindle, 16 speed gear-box to table traverse, suds pump, geared countershaft with universal dividing head and tailstock.



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PLANT
No.

- M-4 "Holroyd" belt driven horizontal cam milling and copying machine (for milling hearts) with follower, belt drive to milling cutter, feed, and countershaft, etc.
- S-4 "Milwaukee" 14" belt driven shaping machine four step cone drive, box table 16"×11"×11" with countershaft and 6" machine vice.
- S-2 "Butler" 12" ditto with fast and loose pulley drive, 3-speed gear-box, box table 16"×12"×12" with 8" machine vice.
- S-3 "Butler" ditto fitted with special "Matterson" gear cutting attachment.
- S-5 "Butler" heavy duty motorised double headed 18" shaping machine, fitted with two slotted box tables, each 21"×17"×17", two tilting tool posts, hand lever operated clutch and twin 12 h.p. electric motors mounted at rear with starter panels, etc.
- S-6 Similar "Butler" double headed shaping machine.
- S-7 A similar ditto
- M-18 "Ford-Smith" horizontal milling machine, table 4'6"×10" with power feed, gear-box three step cone pulley back geared drive to spindle with counter shaft, 8" swivelling machine vice.
- M-11 A similar milling machine and vice.
- M-19 "Ford-Smith" ditto : table 60"×14" (as previously described) with universal dividing head, etc.
- M-5 "Holroyd" double ended cam milling machine with twin spindles driven separately by three step cone pulleys central table 7'6"×12" with hand feed, countershaft, etc.
- M-6 "Parkson" No. 2S Universal milling machine, table 46"×10" 3 step cone drive to spindle, 12 feed speeds to traverse, single pulley drive, with countershaft, etc.
- M-7 "Wallwork" belt driven, vertical gear hobbing machine, capacity 24" dia. with rise and fall swivelling cutter head, 24" dia. slotted table, three step pulley drive pick-off gears and countershaft.
- M-12 "Hendy-Norton" No. 2B Universal milling machine, table 45"×10", four step cone pulley drive to spindle, 18 feed speeds to table traverse, with countershaft etc.
- M-8 "Newark" horizontal gear cutting machine, capacity 48", 8-speeds to cutter spindle, max. distance between columns 24", fast and loose pulley drive with countershaft, etc.
- M-9 "La Pointe" belt driven horizontal broaching machine, capacity 4'× $\frac{7}{8}$ " with screw feed countershaft and range of broaches and tools.

PLANT
No.

- M-13 "Sunderland" No. 16. belt driven horizontal gear generating machine, capacity about 18" diameter $\times$ 24" with sliding and swivelling tool post head, four speed cone pulley drive, rotating work head, suds pump, fast and loose pulley drive, etc.
- M-20 "Holroyd" belt driven thread milling machine, capacity 3" diameter $\times$ 8' approx : with belt driven cutting and milling swivelling head, four step cone pulley drive to work head with three jaw chuck, countershaft, lead screws, etc.
- M-14 "Reinecker" belt driven bevel gear cutting machine, capacity about 3" diameter $\times$ 9" with automatic ratchet feed, adjustable angle work spindle single pulley belt drive with countershaft.
- M-15 "Holroyd" belt driven double ended faller bar milling machine, maximum length between cutters 3'6", with geared drive to cutters from three step cone pulleys with power feed countershaft and suds pump.
- M-10 "Holroyd" ditto for milling ends of faller bars, maximum length between cutters 3'6".
- S-8 "Butler" motorised 8" capacity slotting machine throat 20", table 24" diameter, power and hand feed, variable feed to tool post 30" flywheel, 7 h.p. s.c. electric motor drive through single gear and clutch with starter panel.
- S-9 "Butler" belt driven 12" ditto, throat 27", table 3' dia., variable speed feeds to tool post, power hand feed, 30" flywheel, fast and loose pulley drive, with counter weighted arm etc.
- S-10 A similar machine, with about 20' overhead shafing, bearings pulleys etc.
- Extensive range of overhead shafing used for driving machines in the above section comprising length of 2½" dia. steel shafing 112' long approx : fitted with 17 steel pulleys to 2' dia. 11 bearings and brackets and 5 couplings.
- A similar run of 3" shafing 168' long approx : fitted with 28 assorted steel pulleys, 16 bearings and brackets and 7 couplings.
- A ditto 168' long fitted with 15 assorted pulleys, 16 hanging bearings and brackets and 7 couplings.
- A ditto 112' long fitted with 32 assorted heavy steel pulleys, 11 suspended bearings and brackets and four couplings.
- "E.C.C." 40h .p. D.C. electric driving motor for the above, 220 volts, 450 r.p.m., with slide rails, driving pulley, with Oil-immersed starter switch gear, on steel frame.
- A similar 40 h.p. D.C. motor with starter, etc.
- A 25 h.p. ditto 575 r.p.m., with starter, etc.



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PLANT
No.

Three main motor drive belts, with wooden guards and the extensive range of balata and other belting to all the machines in this Section.

Assorted oil drip trays under shaft bearings.

Two lengths of channel steel section running whole length of the above section for holding countershafts about 550' in all of 9"×3" channel.

Assorted lengths of ditto about 275' in total.

About 60' run of R.S.J. forming chain pulley block runway, with "Yale" 1 ton spur geared pulley block and runner.

Double channel steel support for roller shaft 25' long with brackets to stanchions.

Portable jib crane about 10 cwt. capacity, with fork stands, ratchet hand lift, tow bar, etc.

D-1 "Asquith" belt driven 5' Radial drilling machine, gear-box giving 18 speeds, fast and loose pulley drive, 4'×2'6" slotted table, vee shaped double base plates 5'×3'4" each, six power feeds to spindle, 3 $\frac{3}{4}$ " capacity.

D-2 "Asquith" motorised 6' Radial drilling machine with direct drive from 15 h.p. D.C. electric motor, 5'×3' slotted box table, vee shaped double base plate each 6'×3'9", six power feeds to spindle, 3 $\frac{3}{4}$ " capacity with starter gear, etc.

D-3 "Kitchen & Wade" belt driven 3' Radial drilling machine with 4-speed gear-box, 3 speeds to spindle, fast and loose pulley drive with striker arm, 2'×1'10" slotted box table, base plate, etc., capacity 1 $\frac{1}{2}$ ".

D-4 "Asquith" belt driven 4'6" ditto : gear-box giving 12 spindle speeds, 4 feeds to spindle, fast and loose pulley drive, raised slotted base plate 4'6"×2'6" capacity 2".

D-5 A similar machine.

D-6 "Tullis" belt driven 5' Radial drilling machine, gear-box giving 12 speeds to spindle, four feeds to spindle, with fast and loose pulley drive, no rise motion to arm, slotted base table 5'×3', capacity 3".

D-7 "Archdale" belt driven 3' ditto with gear-box giving 12 speeds to spindle, hand lever operated feed to spindle, swivelling table 3'×1'10", fast and loose pulley drive, 1" capacity.

D-8 A similar ditto.

D-9 "Herbert" 15" belt driven $\frac{3}{4}$ " capacity, double spindle pedestal drilling machine, table 24"×18" with one power feed to spindle and one hand feed, fast and loose pulley drive.

PLANT
No.

- D-10 "Herbert" three spindle ditto, table $30'' \times 18''$ with two power feed spindles, belt driven suds pump and rotating drill jig with 10 stations.
- D-11 "Jessop" 13" pedestal drilling machine, four step cone pulley drive to spindle with fast and loose pulley, $12\frac{1}{2}''$ dia. rise and fall table, power feed, with roller stand and table.
- D-12 "Corona" 13" ditto with $12'' \times 10''$ rise and fall table.
- D-13 A similar ditto.
- D-14 Ditto.
- D-15 "Moline" belt driven multi-spindle drilling machine fitted with 10 adjustable spindles, power and hand feed, $8\frac{1}{2}''$ throat, $14\frac{1}{2}''$ capacity, table $4'6'' \times 1'6''$, worm gear and flat pulley drive, with three step cone pulleys, suds pump, tank, overhead shafting and 20 h.p. D.C. motor drive with starter gear.
- M-26 "Clifton & Baird" belt driven 10" horizontal circular cold sawing machine, table $4'10'' \times 1'9''$, saw $26''$ dia. with fast and loose pulley drive, clutch, etc.
- M-27 "Rapid" belt driven 6" power hacksawing machine, with claspot, work vice, suds pump, fast and loose pulley drive and bar stands (16" blades).
- M-28 "Racine" ditto with gear-box, single pulley drive, etc. (16" blades).
- S-11 "Butler" heavy duty belt driven 18" slotting machine, throat 3', table $3'6''$ dia., single gear and fast and loose pulley drive with gear-box, hand feed to table both ways, striker gear, etc.
- L-65 "Gisholt" belt driven back geared $9\frac{1}{4}''$ centre combination turret lathe, 48" between centres, 6" hollow spindle, two step cone pulley drive with countershaft, striker gear, six station turret, power feed, and 24" diameter three jaw chuck, suds pump, etc.
- L-66 "Gisholt" ditto $8\frac{1}{4}''$ centres, 48" between centres, $3\frac{1}{2}''$ hollow spindle, 18" three jaw chuck, suds pump, etc.
- L-67 $6\frac{1}{2}''$ centre belt driven back geared gap bed S.S. & S.C. lathe, $3'3''$ between centres, four step cone pulley drive with countershaft and striker gear (by A.E.W.).
- M-22 "Holroyd" belt driven heavy duty vertical milling machine compound table $4'6'' \times 5'3''$ on swivelling base, main table $6' \times 2'6''$ with power feed both ways, throat $2'6''$, four step cone pulley drive to spindle, five step cone pulley drive to feeds, with countershaft and striker gear.
- "Main" 40 h.p. D.C. electric motor driving shafting with slide rails, "E.C.C." oil-immersed starter switchgear.
- Length of 3" steel shafting, approx. 275' in length fitted with about 38 assorted steel pulleys to 4' dia., 24" brackets and bearings,



PLANT
No.

seven couplings and range of balata and other belting to machines in use.

50 h.p. D.C. electric motor by Metro-Vickers 700 r.p.m. mounted on slide rails, heavy concrete base with "E.C.C." oil-immersed switchgear, ammeter, etc.

G-25 Cast iron marking table 15'9" × 4' on eight legs.

G-22 A ditto 8' × 2'6" on four legs.

P-9 "Butler" belt driven planing machine, table size 18' × 2'3", maximum height under tool posts 2'3", twin tool posts, automatic reverse pulley drive, four step cone pulley drive, with fast and loose pulley, vee bed, etc.

P-8 "Butler" ditto with 14' table, etc.

P-7 "Butler" ditto with 14' table, etc.

P-6 "Cincinnati" belt driven planing machine, table 8' × 1'9", maximum height tool post to table 2', with single tool post, automatic reversing pulley, and fast and loose pulley drive, with vee bed, etc.

P-5 "Butler" ditto, table 28' × 2'6½" with twin tool posts, maximum height 3', automatic reversing pulleys, four step cone pulley drive with fast and loose pulley, power lift to cross beam, etc.

P-4 "Butler" ditto with table 16' × 3'9", twin tool posts to cross beam, max. height 3'9" with separate tool post to each side column, automatic reversing pulleys, with gear-box, fast and loose pulley drive power lift to cross beam, etc.

P-3 "Butler" ditto with table 20' × 4' max. height 4'.

P-2 "Butler" ditto.

P-1 "Niles Bement-Pond" belt driven planing machine, table 28' × 2'2", max. height to tool post 2'3" with twin tool posts, automatic reversing pulleys, hand operated lift to cross beam, driven by 25 h.p. D.C. electric motor mounted to floor with slide rails and oil-immersed starter gear, countershaft, etc.

Two channel steel joists, each 25' long, about 15" × 6" R.S.J. with supports for holding countershaft for the above.

Planing machine bed and table 16' × 2' with screw feed, less columns, tool post, etc.

F-2 "Lang" belt driven single ended grinder for 12" dia. wheel, with three step cone pulley drive (incomplete).

G-20 Hand operated roller type bar straightening and bending machine with 9" dia. rollers, screw adjustment to top roller, geared hand star-wheel feed, and mounted on 4' square c.i. surface table.

PLANT
No.

- 2 h.p. direct driven centrifugal pump dia. 10" with 2" dia. suction and delivery pipe, primer, base plate and starter.
- Two 18" band saws with c.i. frames belt driven (incomplete).
- Two pedestal type spinning machines (incomplete).
- Large c.i. frames for machines, assorted box tables, angles, plates, etc. for use with Planing and Boring machines.
- M-23 "Pearn Richards" motorised horizontal boring machine, 4" spindle, maximum height spindle to table 30", distance of spindle travel 7'6", with extension bed and table, slotted table 5'3" $\times$ 3' with feed both ways, power feed to longitudinal travel, with quick action return, belt and gear drives to spindle, with direct geared drive by 12 h.p. "Electromotors" D.C. motor with starter panel, etc.
- M-24 "Holroyd" motorised vertical circulating, turning and straight line Milling machine with 8' diameter slotted rotating table, stroke of ram 4', with gear-box, direct drive from rear mounted "Crompton" 9½ h.p. D.C. electric motor with starter gear, etc.
- G-24 24' x 2' cast iron marking-out table on four pairs of c.i. legs.
- G-25 12'2" x 8'1" ditto on concrete base in three sections.
- M-21 "Holroyd" special purpose belt driven eight spindle horizontal heavy duty milling machine, distance between columns 6', with 8'6" $\times$ 6' slotted power operated table, max. height top spindles 5'6", fast and loose pulley and geared drive to spindles through bevel gears with equipment.
- D-17 "Holroyd" belt driven horizontal four spindle ½" capacity drilling machine with four bevel gear driven spindles, with racks and pinion power feed, each spindle adjustable on 6' bed, with two outer supporting arms, maximum distance 48", spindles to base, 2'6" countershaft mounted on c.i. base at rear (for card roller drilling).
- D-16 "Archdale" belt driven heavy duty 32" pillar drilling machine, 2" capacity, table 20" square, hand screw rise and fall motion, power feed to spindle with 6 speeds, gear-box and fast and loose pulley drive.
- D-23 "Asquith" motorised portable radial arm 1½" capacity drilling machine with universal head on four steel wheeled trolley.
- L-68 "Ward" 2" A.G.H. capstan lathe, s.p.d. three step cone pulley drive to power operated turret, 9" three jaw chuck, suds pump and equipment.
- L-75 A similar machine fitted with ball chuck and range of collets etc.
- L-76 A similar machine.



PLANT No.	
L-69	"Herbert" No. 5B. capstan lathe, $1\frac{5}{8}$ " capacity, with A.G.H. s.p.d. chuck, bar stand, suds pump, etc.
L-70	"Herbert" No. 4. 2" capacity motorised chucking capstan lathe, A.G.H. built-in motor drive, 8-speeds to head, 4 feeds to power operated turret, motorised suds pump, starter gear, 12" three jaw chuck, steadies and other equipment.
L-71	"Herbert" No. 25. motorised bar feed ditto : $1\frac{1}{2}$ " capacity, with power feed turret, 6 speeds to head, with ball chuck, bar feed attachment, motorised suds pump and starter gear.
L-72	"Kendall & Gent" motorised $2\frac{1}{4}$ " capacity x 3' horizontal screwing machine, 7" centres, 6 speed gear-box with pick-off gears, work vice, suds pump and geared motor drive and starter switch.
L-73	Belt driven special purpose double sided geared lathe, for softener roller arbors, 6" centres, tool posts at each side with hand wheel screw feed, mounted on c.i. bed with fast and loose pulley drive at rear (by A.E.W.).
L-74	A similar ditto.
M-25	Multi-spindle horizontal special purpose milling machine for bend brackets, 6 spindles, with geared drives, $4\frac{6}{8}$ " c.i. bed, fast and loose pulley drive, etc.
	25 h.p. D.C. electric motor, floor mounted with slide rails, guard and oil-immersed starter gear.
	About 110' of 3" diameter steel shafting fitted with nine bearings and brackets, eight assorted steel pulleys and four couplings, belting, etc.
	"Avery" type 486 cc., 10 cwt. portable platform weighing machine with 2'6" square platform railback type, sliding arm steel yard.
	Oxy-acetylene cutting machine with double hinged arms, 5' radius, geared fractional h.p. motor drive to profile arm with steel framework, regulators, piping, etc.
	Belt driven clicking press, single ended grinder and other machinery partly dismantled.
	Portable compressed air operated sand blasting plant with 24" welded steel drum and filter.
	Oxy-acetylene welding outfit with regulators, gauges and pressure hose.
	Portable electric arc welding set by Metro-Vickers with controls, electrodes, cable, etc. (200 amp. capacity).
	Extensive range of pulley blocks, chains, slings and other lifting tackle and equipment mounted on steel rack with two c.i. supports and throughout works.

PLANT No.	
W-5	"Robinson" belt driven universal woodworking machine with planer, spindle moulder, etc.
W-6	"McDowall" ditto.
G-26	Horizontal hand operated hydraulic test press, distance between columns 48", length 42', with hand operated pump, ram size 9" diameter with support trolleys, rail, base plate, etc.
	Portable flexible shaft 4" dia. grinder on steel trolley driven by 1 h.p. motor with flat belt, starter, etc.
	24' radius jib crane attached to building stanchion fitted with 5 cwt. worm geared chain pulley block and runner.
G-19	Belt driven d.e. floor grinder, wheels 20" x 4", fast and loose pulley drive with guards, rests, etc.
G-18	Double ended ditto, fitted one disc grinding wheel 24" dia. and one cup wheel 14" dia., with work rest, hand screw, feed table and driving pulley.
G-17	Herbert belt driven d.e. polishing spindle 2'3" x 1" dia. on c.i. pedestal stand (for cop cones).
	Belt driven centrifugal pump, 6" dia. body with 2" outlet (for removing water from pits).
G-10	Belt driven d.e. floor grinder, wheels 14" dia. x 1½" with guards and work rests, fast and loose pulley drive (by Luke Spencer).
D-20	"Corona" 20" belt driven ¾" capacity pillar drilling machine, four step cone drive to spindle with power feed, 15" dia. table, fast and loose pulley drive with work vice, etc.
D-21	A similar "Corona" drilling machine.
G-11	Belt driven double ended polishing machine, floor type with two wheels 14" wide x 28" dia., fast and loose pulley drive, counter-shaft with c.i. frame, expanded metal guard, etc. by Luke & Spencer.
G-12	A similar ditto with 6" x 18" dia. wheels.
G-13	A similar machine.
G-14	Single ended ditto with 10" x 3' dia. wheel, direct fast and loose pulley drive, wooden block and rear shield.
G-15	A similar ditto with 12" x 48" dia. wet grindstone wheel, concrete trough, shield and wooden block.
G-16	Belt driven d.e. floor grinder, wheels 4" x 16" dia. with countershaft, guards, etc.



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PLANT
No.

Range of 3" overhead shafting above these machines about 150' in length with 17 assorted steel pulleys, 11 brackets and bearings and 5 couplings and belting.

25 h.p. D.C. electric motor with slide rails, driving pulley and starter gear for the above.

D-18 "Herbert" 24" belt driven heavy duty drilling machine, table 22" diameter, hand screw rise and fall motion, four step cone pulley and geared drive to power feed spindle, fast and loose pulley drive.

D-19 "Jones & Shipman" 12" pedestal drilling machine, three step cone pulley drive, 10" square table.

L-77 "South Bend" 6½" belt driven back geared S.S. & S.C. lathe, 3'6" between centres, 1" h.s. with countershaft, striker, etc. (for wood turning).

W-1 "McDowall" belt driven 24" circular sawing machine, table 51" x 2'7" with guard, work guide, fast and loose pulley drive from floor mounted 5 h.p. electric motor with starter switch.

W-2 "American" 36" Band sawing machine, fast and loose drive, 36", band wheels, driven by floor mounted 5 h.p. electric motor with guards and starter switch.

W-3 24" capacity over and under planing machine, table size 5' x 2'3", geared and belt drive from floor mounted 5 h.p. motor with countershaft and starter gear by Thomas White.

W-4 "Robinson" combination spindle moulding and planing machine, 12" x 6" capacity, table 6' x 1'3", belt drive from 4 h.p. floor mounted motor with countershaft.

Special jig mounted on 8' wooden bench for doctoring band saw blades with wheels and vice.

Miscellaneous collection of spare machinery and parts including :

Eight assorted spare foundry moulding machines.

Geared d.e. lathe on 5' bed.

Three rivetting bears, 6½"—13" and 24" throat.

Two centrifugal pumps.

5' diameter face plate.

Pair of 9" hand sheet metal shears.

10' lathe bed.

1½" capacity horizontal sawing machine.

Two "Gisholt" d.e. grinders.

PLANT
No.

- Slide rails and other items.
- 9' dia. plate for assembly and welding work.
- "Herbert Morris" 25' radius jib crane fitted with 20 cwt. worm geared pulley block and runner.
- Steel almirah $3'0'' \times 1'6'' \times 5'6''$
- Wooden ditto $4'0'' \times 2'0'' \times 4'0''$
- Ditto $3'0'' \times 2'0'' \times 4'0''$
- 12 Working tables for Joiners $13'0'' \times 4'0'' \times 2'6''$
- 4 vices.
- Table $5'0'' \times 3'0'' \times 2'0''$
- Ditto $4'6'' \times 2'3'' \times 2'6''$
- Ditto for Band Saw fitting $9'0'' \times 3'0'' \times 3'0''$.
- $8' \times 4'$ marking-out table on four c.i. legs.
- D-22 "Corona" 20" belt driven pillar drilling machine, four step cone pulley drive, power feed spindle, 20" dia. table, fast and loose pulley drive, 3 h.p. motor mounted on stanchion above with starter, etc.
- G-1 "Brown & Sharpe" belt driven internal and external grinding machine, $6\frac{1}{2}''$ max. distance between centres, 48" five-step cone pulley drive to table with auto reverse action, belt drive to work head and spindle with countershafts, striker, etc.
- G-2 "Herbert Hunt" belt driven drill grinder, wheel size $12'' \text{ dia.} \times 1\frac{1}{2}''$ with drill chuck, adjustable angle, hand feed, wheel guard, fast and loose pulley drive.
- G-3 "Brown & Sharpe" No. 12. belt driven external grinding machine, capacity $48'' \times 4\frac{1}{4}''$, wheel size $14'' \times 1\frac{1}{2}''$, belt drive to wheel head, work spindle and table feed with gear-box giving 12 speeds with auto traverse, suds pump and countershaft.
- G-4 "Brown & Sharpe" No. 13. plain grinder, capacity $4'' \times 30''$ with double ended grinding spindle for 6" dia. wheels, four step cone pulley drive to table, auto traverse belt drive to work spindle, countershaft, etc.
- G-5 "Brown & Sharpe" No. 2 horizontal spindle surface grinder, capacity $6'' \times 18''$ with 6" dia. grinding wheel, belt drive, $14'' \times 6''$ magnetic chuck, with countershaft, etc.
- G-6 Belt driven saw grinding machine, 3' dia. capacity with 12' dia. grinding wheel with adjustable angle fast and loose pulley drive, etc.



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PLANT
No.

	"Herbert" pedestal type screw operated bar straightening machine, throat $2\frac{1}{2}$ ", bar capacity $2\frac{1}{2}$ " with test centres 5' long, hand screw operated.
G-7	Belt driven d.c. pedestal tool grinder, for 8" wheels.
G-8	Belt driven horizontal spindle pedestal type surface grinder with hand screw rise and fall to $16" \times 4\frac{1}{2}"$ table, 6" dia. wheel.
Y-42	"Avery" 3,000 k.g. Brinell bench type hardness testing machine, type 691, throat 6", table 5" diameter.
L-80	$6' \times 3'$ c.i. marking-out table on four legs for the above.
L-79	"Holroyd" $9\frac{1}{2}"$ centre, belt driven back geared S.S. & S.C. lathe, four step cone pulley drive with countershaft.
L-78	"Hendy" $6\frac{1}{2}"$ centre ditto, 4' between centres, vee bed, four step cone pulley drive, screw cutting, gear-box countershaft, etc.
G-9	A similar machine.
	Belt driven single wheel pedestal grinder, wheel 18" dia. $\times 2\frac{1}{4}"$ wide, with wheel guard, work rest, water trough and countershaft.
	Range of 3" dia. steel shafting about 45' long, with four bearings and brackets, ten assorted steel pulleys, etc.
	Supporting steel framework for the above shafting and countershafts of channel steel construction with three supporting c.i. pillars, cross beams, etc.
	Range of belting to machines in Tool Room.
	25 h.p. "E.C.C." D.C. electric motor driving the above, 575 r.p.m. with slide rails, starter gear, etc.
	Tools cage steel $10'0" \times 1'6" \times 3'0"$
	2 ditto $8'0" \times 2'6" \times 3'9"$
	Steel rack $8'0" \times 2'0" \times 3'6"$
	Wooden table $9'9" \times 2'0" \times 2'9"$
	Two wooden Almirahs with M.S. stands $5'9" \times 1'0" \times 5'9"$
	Steel Almirah $4'0" \times 2'0" \times 7'0"$
	Wooden Almirah $3'0" \times 1'0" \times 3'6"$
	Ditto $6'0" \times 2'0" \times 7'3"$
	2 sets c.i. trees with wood shelves $27'0" \times 1'6" \times 5'6"$
	2 wooden pigeon holes $27'3" \times 4'0" \times 5'9"$

PLANT
No.

(24)

Gauge checker (Projector & Ground glass)

Wooden table 4'0"×2'6"×3'0"

Stool

Bench type projector

2 wooden Almirahs 2'0"×1'0"×3'6"

Steel Almirah 2'0"×1'0"×'36"

2 steel racks 3'0"×1'0"×3'0"

Vice bench 4'0"×2'0"×2'6"

Vice

C.I. table 6'0"×3'0"×3'0"

4 angle iron racks with wood shelves 28'2"×5'0"×7'3"

Steel Almirah 6'0"×2'0"×4'0"

Wooden Almirah 6'0"×2'0"×7'0"

M-28

"Tangye" pump 4" inlet, centrifugal pump 3" outlet, Blower 5" outlet.

"Radicon" reduction gear-box, and quantity of screw jacks, gears pulleys, etc.

M-34

Three hand lever operated pumps.

Extensive range of spare electric D.C. motors for use in factory generally from 2 h.p. to 25 h.p., with collection of assorted switches, starters, panels and other electrical gear.

Electric blower

Three electric drills

"Metro-Vickers" flexible shaft 1 h.p. grinder in swivelling stand, 4" wheel.

"Herbert Morris" wall type jib crane 25' span, with $\frac{1}{2}$ ton worm geared pulley block and runner.

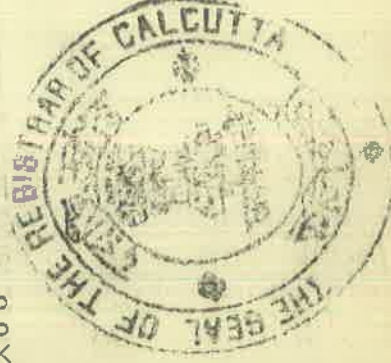
"Yale" 2 ton spur geared pulley block.

Wooden table 8'0"×2'6"×3'0"

Wooden Almirah 2'0"×1'6"×5'0"

Wooden Almirah 4'6"×1'6"×5'0"

Wooden Almirah 4'0"×1'8"×6'0"



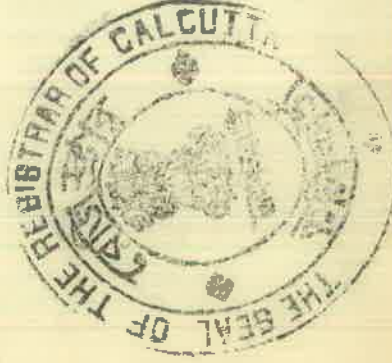
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Registrar of Companies,
Calcutta.

PLANT
No.

	Wooden table 4'0"×2'6"×2'6"
	Steel hot chamber 4'0"×4'0"×3'0"
	Vice bench 8'0"×3'0"×2'6"
	Vices
	2. Wooden Almirahs 2'0"×1'0"×3'0"
	Poldi ball impression Test Apparatus
	Two dial test indicators
	Two automatic centre punches
	6 assorted Micrometer extension pieces from 6" to 12"
	Fifteen assorted internal micrometer extension pieces from 3½" to 12"
	Two Internal Micrometers
	Nineteen micrometers in various sizes from 1" to 12"
	Two internal micrometers 1½"×2"
	Twenty-four micrometer checking pin gauges from 2" to 11" capacity
	Two Vernier callipers 1" and 2" and "Benson" Vernier
H-3	"Babcock & Wilcox" 5 ton capacity overhead travelling crane, 3 motor type, D.C. supply, span 43' travel 580' approx : with suspended control cabin, inspection platform, insulated wiring and controls (in 1st Bay No. 5).
H-5	A similar 10 ton travelling crane (marked No. 4.) (First Bay)
H-7	Ditto (No. 6.) (Second Bay)
H-9	Ditto (No. 8.) (Second Bay)
H-4	5 ton (No. 9.) (Third Bay)
H-6	10 ton (No. 10.) (Third Bay)
H-4	5 ton (No. 3.) (Fourth Bay)
H-8	5 ton (No. 7.) (Fourth Bay)
R-3	Rivetted steel, brick lined, deep bottom, belted cupola furnace, dia. 30", capacity 1 ton per hour with charging platform and steel steps, 24" motor driven blower with delivery piping, starter and concrete base.
R-1	A similar larger ditto, 4' diameter, capacity 5 ton with steel framework, motorised No. 6, "Sitroco" 2'6" dia. cupola blower directly driven by 28 h.p. motor, 1800 r.p.m., with 9" dia. delivery piping, framework and starter gear.

PLANT No.	
R-1	A similar ditto.
R-2	A similar larger ditto, 6' dia., capacity 10 ton with channel steel supporting framework etc.
R-2	A similar ditto.
R-4	"Roots" size 7. Rotary blower, 5'6" × 6', geared direct motor drive from 50 h.p. D.C. electric motor with starter, etc.
R-4	A similar "Roots" blower and motor.
	Range of 24" dia. steel delivery piping from the above blowers to three cupolas with supporting brackets, junctions, etc.
	Steel constructed charging platform for four cupolas, 216' in length with steel plate diamond pattern floor, 20' wide with steel steps to side, 12" × 6" R.S.J. stanchions and cross members, height 30'.
	"Babcock & Wilcox" 5 ton electric overhead travelling crane, triple girder, 3-motor type with suspended control cabin wiring, insulators, etc. (No. 2).
	"Avery" 2 ton portable platform weighing machine, with 3'6" square platform, and sliding arm steel yard.
	"Avery" 10 cwt. ditto with 2'6" square platform
	Chain sling loading pan with runner for charging cupola
	Portable crane weighing machine 5 ton capacity on portable trolley.
	Ditto 2 ton
	3'6" dia. heavy type 5 ton capacity lifting ladle, with bevel geared hand wheel tilting action.
	2'6" dia. ditto, 3 ton capacity.
	Five 2' diameter ditto, 1 ton capacity.
	5' × 5' dia. large ditto with double geared tilting action and hand wheel, 15 ton capacity.
	4'6" ditto, 7 ton capacity.
	100-lbs. capacity tilting furnace, 2' dia. × 2'3" with geared tilting action, compressed air connections, etc.
	18" dia. × 6' riveted steel vertical air receiver for use with the above.
	2'6" dia. × 4' steel tumbling barrel with single gear and fast and loose pulley drive.
	3' dia. × 6' heavy duty ditto.
	3'9" × 2'6" square ditto.



PLANT
No.

25 h.p. D.C. electric motor driving the above on slide rails with starter and about 40' steel shafting with four bearings and brackets, two pulleys and coupling.

Extensive range of 2'6" gauge steel track separating machine shop, and throughout works with turntables etc. total length, 4800' approx.

Two flat wooden platform trucks with flanged wheels, six side tipping steel ditto, four steel flat trucks with steel sides, coal gharry and steel truck for use on above track.

M-31 "London" heavy duty hand screw operated bar straightening press, distance between columns 14', cast steel frame mounted on four flanged wheels, with adjustable 21" centres and bed 35' long inserted in floor.

Y-8 Motorised centrifugal casting machine with 36" dia. platform, gear and flat belt drive from floor mounted 10 h.p. motor, with slide rails, starter gear, pit and protecting walls.

K-5 "Morgan" 200-lbs. capacity tilting crucible furnace, coke fired, bevel and worm geared counter weighted tilting action, swinging cover with built-in motorised blower, starter gear, etc.

Two hand operated moulding machines with 2'3" × 2'3" table, hand lever lifting mechanism.

Y-9 Two similar larger ditto with table 2'9" square.

Y-9 Portable hand operated moulding machine, 48" between columns, with turnover table 1'6" × 1'9" on slide, and mounted on four rubber tyred wheels.

Swing jib crane, 1 ton capacity attached to building stanchion, span 24' with worm geared 1 ton pulley block and runner.

A similar ditto less pulley block.

Two 12'6" ditto one fitted with $\frac{1}{2}$ cwt. block and runners.

Three shorter 7'6" ditto (less blocks etc.) with tubular supports.

Special double column cone making machine for spiral softener rollers, 6" dia. × 2'9" long, with hand screw rise and fall spiral action, base plate foundations, etc.

K-4 Range of five brick built iron bound, coke fired core drying stoves each 8' × 8' × 20' deep, with counter balanced sliding steel doors, with steel chimney and smaller additional stove at end with single hinged door, steel frame above—total length 75' width 33' height 10'.

Range of 2'6" gauge track to each of the above ovens, each with steel constructed four flanged wheel work trolley, with 12' × 6' platform, used for inserting work into ovens.

PLANT
No.

- S-2 Belt driven 6' dia. sand mills with 30" diameter rollers, fast and loose pulley drive, geared under-drive, etc.
- S-2 A similar ditto 6' diameter.
- S-4 Belt driven grading machine, with 4'9" × 1'9" dia. rotating sieve drum, mixing drum under with four blade paddle, fast and loose pulley drive, c.i. frame.
- S-4 A similar ditto
- S-3 Belt driven sand mixing machine 3' dia. drum with roller and mixing blades, on pedestal stand with countershaft on steel frame to building stancheon.
- S-1 Two smaller 2'8" dia. ditto with 15" dia. rollers, bevel gear and fast and loose pulley drive, mounted on common concrete base with centre sand trough.
- Range of 3" dia. steel shafing for the above, about 100' long with 8 bearings, brackets, six pulleys, 3 couplings and belting to machines.
- 25 h.p. D.C. electric motor for the above on platform by cupolas with slide rails etc.
- Z-4 "Woden" d.e. bench polishing machine, fast and loose pulley drive.
- Z-5 Two "Jackman" belt driven core making machines, bench type, with 9" square hopper, and mixing drum.
- Z-5 Belt driven spiral screw type, sand mixing and core making machine, trough 2'6" × 1' with fast and loose pulley drive.
- The above mounted on common wooden bench 16' × 1'6" wide.
- 3 h.p. "Newton" D.C. electric motor mounted on steel frame with starter switch.
- 28' run of 3" diameter steel shafing with three brackets and bearings, five assorted steel pulleys and coupling.
- 6' wooden bench on two c.i. legs.
- Four 8' core benches each on 3 pairs c.i. legs.
- Riveted steel cylindrical tank 3' dia. × 3'6" with flanged ends.
- Z-3 Coke fired steel board core oven by August, size 3' × 4'9" × 4', fitted four withdrawable drawers, with removal arm and roller track above, flue piping to roof, etc.
- Z-2 Brick built steel lined ditto, fitted five compartments, each with hinged door and flue piping to roof (by Paxson).



1915-16

PLANT
No.

Z-1	A ditto
	Five assorted coal and coke bins and collection of furnace tools, etc.
	Eight assorted steel scrap bins for use in charging cupola furnaces.
	Ten steel wheelbarrows.
	Time Recording clock attached to wall.
	C.I. Trees.
	Two wooden Almirahs, etc.
H-12	"Wilson" 2 ton electric motor driven jib crane, with power swiveling motion, working radius about 20', lattice girder jib, two R.S.J. support arms on concrete foundations, 25 h.p. "E.C.C." D.C. electric motor drive by seven vee belts, with starter gear, winch, etc. ball breaker weight, etc.
	About 250 tons of assorted moulding boxes, throughout foundry and Moulding Shops.
Y-5	Portable hand operated jolt turnover moulding machine, plate size 16"×20".
Y-4	Moulding machine with 3'6"×2' table in pit.
Y-4	Compressed air operated ditto, table size 3'×2', semi-portable type on four wheels, with controls and piping.
Y-5	Portable hand operated moulding machine, 48" between columns, as previously described.
Y-5	Hand operated jolt turnover machine, table 16"×20".
Y-5	Three small hand operated ditto, size 18"×18" on pedestal stands.
Y-4	Compressed air operated jolt squeeze turnover moulding machine, size 3'×2' by Tabor with air supply piping controls, etc.
Y-4	Compressed air operated jolt turnover moulding machine, size 27"×16".
Y-4	"Tabor" compressed air operated moulding machine, size 22"×15" with supply piping and controls, distance between columns 3'.
Y-4	Small pedestal type moulding machine, table 21"×17".
Y-4	Ditto.
Y-2	Large capacity jolt squeeze turnover pneumatic moulding machine, capacity 4'×6", table platform, size 6'6"×4'9", with compressed air operation, 5'×4'9" delivery platform mounted on rails, complete with compressed air piping, controls and foundations.

PLANT
No.

Eight small steel lockers.

B-3

"Morgan" 200 lb. tilting, oil fired brass crucible furnace with hand screw tilting action, swinging cover, oil burners and controls (external diameter 2'3").

B-2

"Morgan" 600 lb. ditto (ext. dia. 2'6").

B-1

Bale-out type 100 lb. capacity ditto, 18" dia. pot, with oil controls etc. (for white metal).

Two steel canopies over the above furnaces.

Y-4

"Tabor" jolt-squeeze moulding machine, table 22"×15", compressed air operated, distance between columns 3'.

6' steel rack with 8 divisions.

Wooden shelf 10' long.

Wooden cupboards.

Steel bench and vice.

Channel steel runway 9"×4" R.S.J. about 45' long with runner.

"Avery" 20 cwt. dormant platform weighing machine, platform 4'×4', sliding scale steel yard.

2 steel racks 12'6"×1'6"×3'9".

2 wood tables with c.i. legs 8'0"×3'0"×2'6".

One ditto 5'0"×3'0"×2'6".

Wooden almirah 4'0"×2'6"×6'2"

Wooden rack 10'6"×3'3"×5'3"

Wooden table 10'9"×1'6"×2'6"

Rack 1'8"×1'8"×3'10"

4 wooden tables 5'0"×2'0"×2'6"

4 wooden chairs.

"Avery" 5 cwt. type 488 cc. portable weighing machine, sliding scale steel yard, rail back, 2'×1'10" platform.

"Avery" 10 cwt. type 282 portable platform weighing machine, 2'6"×2'3" rail back platform.

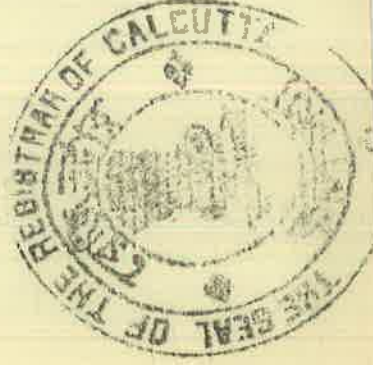
Wooden Almirah 15'0"×2'0"×3'9".

Steel Almirah 3'0"×1'0"×4'0".

PLANT
No.

(32)

- Steel racks 4'0" × 2'6" × 4'0".
- Ditto 2'0" × 2'0" × 5'6".
- Steel Almirah 9'0" × 2'0" × 5'6".
- 2 Ditto 4'0" × 2'0" × 7'0".
- Ditto 12'0" × 2'0" × 6'6".
- 28 steel racks 3'6" × 1'6" × 6'3".
- 2 c.i. trees 1'0" × 5'0".
- Wooden box 3'0" × 2'0" × 2'0".
- Steel rack 18'6" × 1'6" × 6'0".
- Ditto 18'6" × 2'6" × 3'0".
- 4 wooden chairs.
- "Gledhill Brook" Time Recording clock and racks.
- 2 wooden tables 5'0" × 1'6" × 2'4" to 2'8"
6'0" × 2'6" × 2'6".
- Steel rack with steel shelves 5'0" × 1'2" × 5'0".
- Ditto 6'0" × 1'6" × 5'3".
- Ditto 5'0" × 1'0" × 3'0".
- Angle iron rack with wooden tops 46'0" × 4'0" × 15'0".
- Wooden rack 11'0" × 3'0" × 3'6".
- 5 steel racks with steel shelves 3'0" × 1'6" × 6'3".
- Wooden Almirah 4'0" × 1'6" × 6'3". //
- Steel rack 4'0" × 4'0" × 5'3" open side, 4 tier.
- Ten c.i. trees 1'0" × 5'0".
- Angle iron rack wood shelves 34'6" × 4'0" × 8'6".
- Steel rack with steel shelves 15'4" × 1'3" × 4'9".
- Wooden rack 14'9" × 1'0" × 3'6".
- 13 steel racks with steel shelves 12'3" × 1'6" × 4'6".
- 3 ditto 5'6" × 11" × 11".
- 6 steel racks with steel shelves 4'0" × 11" × 11".



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PLANT
No.

Ditto 24'4"×3'0"×8'0".

Ditto 16'9"×1'6"×5'3".

Ditto 22'9"×1'6"×5'3".

Ditto 6'0"×1'6"×6'6".

Almirah steel 7'0"×5'6"×6'0".

"Milwaukee" motorised brass separating and cleaning machine.
55 c.i. trees 1'0"×5'0".

Wooden Almirah 11'6"×4'0"×8'0".

2 angle iron racks with wood shelves 56'0"×5'0"×9'6".

Steel rack with steel shelves 52'3"×5'0"×4'0".

3 angle iron racks for storing castings 24'0"×5'0"×10'0".

2 Almirahs wooden 4'6"×1'6"×7'0".

Ditto 4'0"×1'6"×6'0".

Wooden table 8'0"×3'0"×2'6".

Drawing cabinet 5'0"×3'6"×4'6".

84 c.i. trees 1'0"×5'0".

6 angle iron racks with wood shelves 56'0"×5'0"×10'0".

2 wooden racks 12'9"×1'3"×6'0".

Ditto 11'0"×1'0"×4'0".

Steel pigeon holes 6'0"×1'3"×1'3".

Wooden ditto 4'0"×1'3"×1'0".

Four worm geared pulley blocks.

20 cwt. portable platform weighing machine, platform 4'×3' with loose weights.

Very large collection of Jigs, Tools, fixtures, power press tools and other items in Stores.

Range of assorted 3" & 2½" steel shafting, pulleys, couplings, bearings and brackets.

Seven assorted c.i. lathe beds 8' to 12' in length.

24" wet grindstone.

PLANT
No.

(34)

Double ended 20" floor grinder and other assorted spare machines and parts.

About 30 assorted pneumatic chipping hammers and 15 assorted air drills.

About 80 assorted wooden Almirahs, average size $3' \times 2' \times 4'$ throughout machine shop.

2 steel racks $4'6'' \times 2'0'' \times 3'4''$.

Ditto $10'0'' \times 1'6'' \times 3'6''$.

2 ditto $4'6'' \times 2'0'' \times 3'4''$.

19 ditto $3'0'' \times 1'6'' \times 3'0''$.

Steel Almirah $3'0'' \times 1'6'' \times 5'6''$.

Ditto $2'0'' \times 1'6'' \times 3'0''$.

Steel rack $6'0'' \times 1'6'' \times 3'6''$.

Ditto $3'0'' \times 2'0'' \times 3'0''$.

Wooden rack with pigeon holes.

Expanded metal machine guards to machines, two wooden ladders, wooden steps, floor stands and other equipment.

Three 10' wooden fitters benches and three 6" vices.

20' wooden ditto and five vices.

Six wooden trestles.

Five fitters benches 5' to 12' long and fifteen assorted vices.

30' ditto and six vices.

Two $9' \times 14''$ c.i. benches with two vices

48' wooden fitters bench with ten 6" vices.

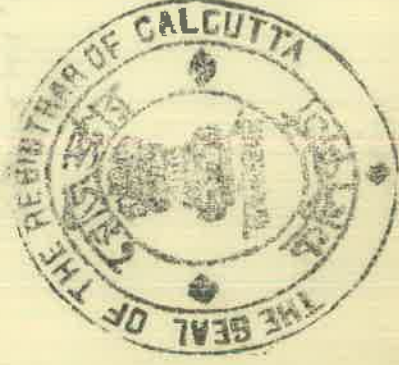
$8' \times 6'$ ditto with four 6" vices.

Three electric fans.

Eight assorted wheelbarrows in shop generally.

3 Drawing cabinets $5'6'' \times 3'6'' \times 4'6''$.

Ditto $3'10'' \times 2'4'' \times 4'2''$.



575767

PLANT
No.

- 2 Angle iron racks with wood shelves 28'2" × 5'0" × 5'6".
- 6 steel racks 3'0" × 2'0" × 3'0".
- 4 wooden racks 10'8" × 3'0" × 3'8".
- 4 c.i. trees 1'0" × 5'0".
10. c.i. trees double sided 2'9" × 7'0".
- Wooden Almirah 3'0" × 1'6" × 5'0".
- Vice bench 8'6" × 3'3" × 2'6".
- Double pedestal desk and four chairs.
- Wooden table 6'0" × 2'6" × 2'8".
- C.I. table 4'0" × 1'9" × 2'6".
- 2 steel racks for storing plate patterns 27'9" × 2'6" × 2'6".
- Ditto 20'6" × 2'6" × 2'6".
- 10 wooden racks 10'6" × 3'3" × 5'3".
- Steel pattern cage 11'10" × 4'0" × 6'6".
- 2 M.S. racks with wood shelves 28'0" × 5'0" × 5'6". //
- 2 angle iron racks 40'6" × 5'0" × 5'6".
- 8 wooden racks 10'0" × 3'0" × 3'6".
- Drawing cabinet 5'0" × 3'6" × 4'6".
- Wooden Almirah 5'3" × 3'3" × 3'8".
- Steel rack 5'3" × 4'0" × 1'0".
- Wooden rack 3'6" × 1'0" × 5'6".
- 34 c.i. trees 1'0" × 5'0".
- 30 iron stands storing plates 4'6" × 6" × 6".
- 4 c.i. trees 2'9" × 7'0".
- 6 "U" block stands for storing bars 4'0" × 8" × 3'9".
- Angle iron storage rack for timber 40' × 15' mounted on c.i. legs each with water trough.
- 18' × 18' ditto on plain brick supports.
- Angle iron rack with wood shelves 28'7" × 7'2" × 8'6".

PLANT
No.

(36)

- 2 steel racks ditto $8'0'' \times 1'0'' \times 3'0''$.
10 angle iron racks with wood shelves $28'6'' \times 7'2'' \times 9'0''$.
16 steel racks for storing plate patterns $26'9'' \times 1'3'' \times 1'10''$.
35 Wooden Almirahs $2'0'' \times 1'0'' \times 3'0''$.
C.I. vice bench $2'0'' \times 2'0'' \times 2'6''$.
2 steel Almirahs $8'0'' \times 1'6'' \times 2'0''$.
3 grinding machine tables $9'6'' \times 2'6'' \times 3'0''$.
Electric ventilating fan.
Five buckets and hose, etc.
Steel inspection ramp on concrete pillars $41'6''$ long $\times 2'1'' \times 3'3''$ high.
6' fitters bench and 6" bench vice.
Two wooden shelves.
Two rough wooden cupboards.
 $7' \times 6' \times 1'6''$ double door cupboard.
 $24''$ dia. $\times 5'$ riveted steel oil tank.
Two steel cupboards.
Ford V.8. engine (spare).
10' fitters wooden bench and three 6" vices and other items.
Channel steel engine assembly stand.
Three hydraulic and screw car jacks and other odd tools.
Battery charging board with 3 carbon lamps.
60' channel steel runway overhead with 1 ton worm geared pulley block and chain operated runner.
"Ford" 3 ton open truck, registered 1945. Licensed No. WGA. 270.
"Commer" 5 ton open truck 1951 Licensed No. WGA. 810.
Ten c.i. fishbone type bar racks.
Large quantity of steel pulleys.
"Corona" belt driven 20" pillar drilling machine, 1" capacity, 4 step cone power spindle, fast and loose pulley.

T-5



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1957

Minister of Agriculture
Calcutta.

PLANT
No.

- T-6 "Stone" belt driven punching and nibbling machine, 12" throat.
30' of 3" steel shafting for the above on three bearings and brackets with three pulleys, coupling, etc. and drive from 4 h.p. motor.
18' lathe bed with 12" centres.
6" sheet metal hand lever shears.
Two swaging machines.
4'10" dia. face plate.
- T-4 Set of 48" hand operated sheet metal rolls.
- T-3 Set of 7' capacity sheet metal rolls, 10" dia. rolls, single gear and fast and loose pulley drive.
- T-2 "Rhodes" 6' $\times$ $\frac{1}{4}$ " belt driven guillotine shearing machine with hold-down guides, 3'6" flywheel, geared undercrank drive with fast and loose pulley, etc.
Very large collection of drop stamp tools.
- T-1 "Rhodes" 40/50 ton open sided ungeared power press, stroke $2\frac{3}{4}$ ", width between columns 26", fixed stroke, table 2'2" square.
Concrete open hearth with 12" belt driven forge blower, piping, etc. to drive from 4 h.p. D.C. electric motor with starter.
- F-17 "Samuel Platt" heavy duty, size A. 2, double sided belt driven single helical geared stripping and forging press, tables 3' $\times$ 2'3", stroke about 4 $\frac{1}{2}$ ", 2'6" dia. flywheel, fast and loose pulley drive.
- F-18 Battery of three friction lift drop stamps by Massey 10-15-20 cwt. capacity, with base, taps, heavy steel framework supporting guides, and flanged pulleys, countershaft, etc., with drive from main shafting line and foundations.
- F-19 "Ross" 15 cwt. capacity steam forging hammer, distance ram to column 2'6", with pedal control, steam piping, etc.
- F-20 "Ross" 5 cwt. ditto.
- F-21 "Massey" 2 cwt. pneumatic hammer, type B. 9291, with motor drive, pedal control, etc.
Two portable iron bound furnaces.
- F-6 Brick bound heating furnace with tuyere, tank and air supply piping at rear, (size 3'6" $\times$ 3'3" $\times$ 3').
Ditto.
- F-6 4' square c.i. Blacksmiths hearth, open type with canopy over, air supply from piping at rear.

PLANT No.	
F-6	Ditto.
F-6	Ditto.
F-6	Ditto.
F-6	Ditto.
F-6	Ditto.
F-6	Ditto less canopy.
F-6	Ditto.
F-7	Oil fired iron bound brick lined heating furnace $6' \times 3'6" \times 3'6"$ with counter balanced door, and air supply piping.
F-7	Ditto $5'6" \times 6' \times 5'$.
F-7	Ditto $5'4" \times 3'9" \times 3'$ with brick shield and piping from underground.
F-7	Ditto.
F-7	Ditto.
F-7	" Fletcher-Russell " iron bound brick lined oil fired ditto, $5' \times 12'6"$ long $\times 3'6"$ with counter-balanced door, burners, supply piping for oil, etc.
F-7	Smaller ditto $4'6" \times 6' \times 3'$ with 6 burners.
F-7	Ditto.
F-7	Ditto.
F-8	Iron bound brick lined oil fired tool hardening furnace, $18" \times 21" \times 21"$ with double burners on pedestal stand with piping, etc.
F-8	A larger ditto with two compartments and three burners.
F-8	Bale-out type hardening furnace with $12"$ dia. pot.
F-9	Oil fired case-hardening bale-out type furnace, pot size $7"$ dia. with brick flue and surround.
F-9	A similar ditto.
	" Sirrocco " No. 6 cupola fan $30"$ dia. for supplying air to furnaces, directly driven by 20 h.p. D.C. motor with starter gear and underground piping to furnaces, concrete base, etc.
F-10	Oil fired open type oil tempering baths $3' \times 1'6" \times 1'6"$ with six burners and controls.
F-10	A similar ditto.



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PLANT
No.

- F-11 5' × 2'6" × 2'6" steel water quenching tank.
Ditto.
- F-27 Hand lever operated trimming machine with geared ratchet operation mounted on 5' dia. face plate.
Two edgewise reading pyrometers 6-1000° range and time clock in steel folding cupboard.
Nine assorted deal and c.i. quenching tanks.
- F-16 "Clifton & Baird" 30" circular saw, fast and loose pulley drive, lever feed, with guard, rest, etc.
- F-15 "Ryder" five-throw tagging hammer, 3'6" between columns, fast and loose pulley drive, automatic feed.
- F-14 "Ryder" four throw ditto, 1'9" between columns.
- F-13 "Bliss" No. 4 ungearred belt driven eccentric press. variable $2\frac{1}{2}$ " stroke, table 16" × 14", 30" dia. flywheel with pedal operated clutch.
- F-12 Belt driven double ended 18" dia. × 4" floor grinder, fast and loose pulley drive with wheel guards, rests, etc.
- F-5 "Dent & Holt" special purpose crank bending machine, 12' bed, bevel and spur geared, power cross feed, capacity about 3" with pedal control and range of bending tools.
- F-4 Belt driven rod straightening machine, capacity about 4" dia., fast and loose pulley drive, with adjustable rollers, angle steel work grinder, etc.
- F-3 "Racine" 9" belt driven power hack sawing machine, for 18" blades, with work vice, fast and loose pulley drive, etc.
- F-1 "Bennie" double ended belt driven bar cropping, shearing and punching machine, 12" blade, throat 24".
- F-2 7" centre plain lathe, 20' between centres of extended bed, fast and loose pulley drive (for crank centering and truing).
75' run of 3" steel shafting with seven bearings and brackets, six assorted pulleys and three couplings.
100' ditto on nine brackets and bearings, four pulleys, three couplings, etc.
40 h.p. D.C. electric motor driving the above with slidetrails, starter, belting, etc.
75' of 4" dia. steel shafting for drop stamps, fitted with seven bearings and brackets, seven assorted steel pulleys, two heavy 6' and 5' driving wheels, three couplings and belting, etc.
40 h.p. D.C. electric motor mounted on channel steel frame with starter gear under for the above shafting, with rope drive.

PLANT
No.

H-2 2 ton swivelling hand operated jib crane, 24' radius, bevel geared
tracing action, double spur geared winder by Chatteris.

H-2 A similar crane.

24' radius jib attached to building stanchion with runner.

10 ton capacity overhead hand operated double girder, fish belly
type travelling crane, span 38'0".

2 stands for storing pipes 4'6"×6"×2'6".

Vice bench 16'0"×4'0"×2'6".

C.I. vice bench 8'0"×3'0"×2'6".

Steel Almirah 5'0"×2'0"×6'6".

Ditto 4'0"×2'0"×6'0".

Ditto 12'0"×2'0"×2'0".

4 sets of c.i. trees (4 stands in a set)
15'6"×1'5"×5'6".

2 sets ditto (3 ditto)
10'3"×1'5"×5'6".

2 sets ditto (3 ditto)
8'0"×1'5"×5'6".

2 sets ditto (2 ditto)
4'6"×1'5"×5'6".

3 sets c.i. trees 1'5"×5'6".

6 c.i. boxes 4'0"×1'6"×1'8".

3 Wooden Almirahs 2'0"×1'0"×3'0".

1 ditto 3'0"×2'0"×5'0".

1 ditto 4'0"×2'0"×4'6".

11 c.i. boxes for storing water 4'0"×1'3"×1'8".

91 pieces c.i. brackets for 7" columns.

6 c.i. trees (double sided) 2'9"×7'0".

2 steel racks for storing rods 16'6"×14'6"×7'6".

2 ditto 15'6"×14'6"×13'6".

12 c.i. "U" Block stands 4'0"×8"×3'9".

8 Iron stands for storing plates, 4'6"×6"×6".



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Riveted steel cylindrical fuel storage tank, 30' x 8' diameter, mounted on brick supports, with concrete surrounding wall, with 5" dia. Stothert & Pitt motorised circulating pump, piping, valves, etc. to factory (capacity 9,500 gallons).

Motorised 5 h.p. direct motor driven pump for pumping in fuel with 12" dia. pump piping, filters, etc.

Spare pump for the above.

Two riveted steel horizontal oil storage tanks on roof above moulding shop, each 27½" x 3' dia. on concrete pillar supports with range of 3" piping to furnaces and from main storage tank in yard.

"Bellis & Morcom" self-lubricating compound 720 h.p. twin cylinder double acting vertical steam engine, 300 r.p.m., 175-lb. pressure, 6'6" dia. flywheel with jet condenser and pump, direct drive to "E.C.C." 500 k.w. electric D.C. generator, 230 volts, 300 r.p.m., with common base plate foundations.

"Belliss & Morcom" ditto 230 h.p. with 48" flywheel, directly driving a 150 k.w. "E.C.C." electric D.C. generator, 435 r.p.m., 652 amps.

"Belliss & Morcom" ditto 100 h.p. with 40" flywheel, directly driving "E.C.C." 60 k.w. D.C. generator, 230 volts, 260 amps, 575 r.p.m., on common base plate.

"Belliss & Morcom" single cylinder ditto 40 h.p., directly driving single reduction gear to twin cylinder inverted open crank type pump, with 9" dia. delivery piping.

Range of lagged piping from boilers to the above, with cocks, valves, underground piping, pressure tanks, regulator, etc.

Range of cable from generators underground to Main Works Control Panel containing eighteen slate panels fitted with sixteen knife type breaker switches, 3000-800 amp. including main breaker switch, changeover switch with voltmeter and range of ammeters to each panel, circuit breakers, etc.

Two lighting panels (slate).

Main supply cables to Works, underground from the above switch panel, (26 cables) carried through by steel carrying frames outside, passing through main shop wall, then in underground pit running width of shop 224' in length, with copper bus-bar 2" x ½" running underground in six lengths whole width of shop, with porcelain insulators, brackets etc.

Also 16 separate cables each ¾" dia. in trough with brackets etc., all contained in concrete pit with removable concrete slabs, channel steel central support and insulators.

Range of overhead cable from control panel to Forge Shop with three supporting steel frames (12 cables).

Wiring in conduit to motors and machines throughout works with isolating switches, junction boxes, fuse switches and other fittings, etc.

"Bellis & Morcom" No. 1309 steam operated vertical air compressor unit, twin cylinder, 500 cu. ft. capacity, flywheel 48" dia., automatic Gyrometer cut-out, pressure oil supply system with steam piping controls and 5" diameter delivery piping, foundations, etc.

A similar air compressor.

Range of underground piping from the above to various parts of Works with valves, cocks and other fittings (315 yards approx.)

4' dia. $\times$ 12'6" high riveted steel vertical air receiver with concrete base, inspection cover, safety valve, etc.

"Fielding & Platt" three-throw horizontal hydraulic pump, working pressure 1500-lbs. p.s.i., 7' dia. geared flywheel drive with direct coupling to 175 h.p. D.C. electric motor mounted on concrete base, with starter control panel and range of high pressure hydraulic piping.
(No accumulator).

Motorised vane type pump in basement with 2 h.p. direct driven motor, piping, etc.

"Herbert Morris" 10 ton, triple girder, hand operated gantry crane, span 38', hand chain operation to all movements, fitted with two auxiliary "Yale" 2 ton spur geared pulley blocks.

"Avery" 65 lbs. capacity portable platform weighing machine, with 24" dial, tare arm, 18" square platform.

2 C.I. tables 8'0" $\times$ 3'0" $\times$ 2'6".

4 vices.

1 Wooden Almirah 5'0" $\times$ 1'6" $\times$ 4'0".

Steel rack 7'0" $\times$ 1'6" $\times$ 4'6".

Drawing cabinet 5'0" $\times$ 3'6" $\times$ 4'6".

Wooden Almirahs 6'0" $\times$ 2'0" $\times$ 6'0".

2 "Gledhill" Brook Time Recording clocks.

8 cane chairs.

Table 4'0" $\times$ 2'0" $\times$ 2'6".

2 Wooden cabinets 7'6" $\times$ 3'0" $\times$ 4'6".

12'6" radius jib crane over well in yard with runner.

15' jib crane over well in yard



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PLANT
No.

Coal fired Lancashire Horizontal boiler by Carmichael, Dundee, size 7'6" dia. $\times$ 27' with economiser, pressure gauge, level indicator, valves and fittings (date 1920) (Working pressure 180 lbs.)

A similar ditto (1908) (working pressure 175 lbs.)

A ditto (1904) (working pressure 170 lbs.)

"Cameron" steam circulating pump, twin cylinder, crank type with 4' central flywheel, piping and controls.

Weir type vertical circulating pump with controls.

24" direct motor driven blower and base plate.

Extensive range of lagged piping to Motor Generator House and overhead ditto on nine steel supporting frames to Forge Shop, 175' piping to Forge Shop to hammers.

8'6" $\times$ 1'3" dia. lagged boiler in Forge Shop on concrete base with piping, steam trap, safety valves, etc.

Large table 9'11" $\times$ 5'0" $\times$ 2'5".

4 benches with iron legs 2'11" $\times$ 1'3" $\times$ 6'2".

Electric fan 56" sweep.

Tiered steel racks.

20 Foot-lockers (steel).

Electric fans 56" sweep.

Office desk 6'7" $\times$ 4'0" $\times$ 2'6".

2 Office tables 4'6" $\times$ 2'6" $\times$ 2'5".

4 chairs.

Wooden Almirah (small) 3'7" $\times$ 1'8" $\times$ 3'6".

Wooden rack 4'7" $\times$ 1'3" $\times$ 5'0".

2 small wooden filing racks 1'6" $\times$ 1'2" $\times$ 2'3".

Steel cabinet 2'0" $\times$ 1'3" $\times$ 4'3".

Ditto 2'0" $\times$ 1'6" $\times$ 4'3".

Steel trunk 2'0" $\times$ 1'3" $\times$ 1'1".

PLANT
No.

(44)

10 electric fans 56" sweep.
"Super-riter" typewriter 19".
"Underwood" typewriter 18".
Three Officers' desks 5'6"×4'0"×2'6" (one is teak wood).
Two Office desks 5'0"×3'0"×2'6".
17 office chairs.
11 steel filing cabinets 2'6"×1'2"×3'6".
2 steel safes 2'0"×1'10"×3'0" and 1'8"×1'6"×2'2".
2 steel small Almirahs 2'7"×1'8"×3'8".
7 wooden Almirahs 5'0"×4'8"×2'0".
1 wooden rack 4'6"×1'6"×4'0".
Wooden glass Almirah 4'0"×1'7"×2'7".
6 steel racks 4'0"×2'0"×2'6".
2 small glass book cases 3'0"×2'4"×1'2".
Typist table 5'0"×2'7"×2'6".
Glass Bookcase (large) 3'6"×1'1"×4'0".
7 office tables 5'0"×2'6"×2'6".
2 steel drawing cabinets 3'11"×3'0"×3'2".
Wooden double size Glass Almirah 6'0"×1'4"×5'0".
4 wooden book stands 1'6"×1'7"×2'0".
Visitors chair.
Visitors settee.
2 Bearers benches 2'11"×1'3"×5'0".
10 Fan Regulators.
2 electric fans 56" sweep.
Steel chair.
Wooden stool.



Signature

Registrar of Companies
Calcutta.

PLANT
No.

4 electric fans 56" sweep.

Table 6'0" × 4'0" × 2'8".

Small Telephone table 1'7" × 1'7" × 2'0".

Printing Board 4'9" × 2'11".

Basin for Print Washing 5'0" × 3'0" × 8".

Basin for washing hands.

Wooden drawing cabinets 3'8" × 2'6" × 4'0" high with 10 drawers (20).

Wooden drawing cabinet 7'6" × 3'0" × 4'6".

Steel rack 1'6" × 1'6" × 4'6".

Wooden cabinet 4'0" × 1'6" with stand.

4 drawing tables 3'10" × 3'3" to 9'6".

6 drawing stools 1'6" × 1'0" × 2'6".

Long stool.

"Roneo" machine.

Wooden Ammonia chamber 4'0" × 6" × 1'3".

2 electric fans 56" sweep.

3 electric fans 56" sweep.

6 tables 5'0" × 4'0" × 2'6" — 4'6" × 2'6" × 2'6" — 6'0" × 2'6" × 2'6" — 4'0" × 2'6" × 2'6".

Drawing tables 4'8" × 2'11" × 3'0" to 3'4".

8 chairs.

Stool.

Wooden Almirah 6'0" × 5'0" × 1'10".

Steel Almirah 6'2" × 4'0" × 2'0".

2 steel racks 3'0" × 1'6" × 3'0".

2 small steel racks 3'0" × 1'6" × 5'9".

Wooden rack 3'8" × 1'0" × 3'2".

Part II**DOMESTIC FURNITURE AND FITTINGS IN STAFF LIVING
QUARTERS KNOWN AS BUNGALOW No. 5.****INVENTORY OF BUNGALOW No. 5/1.****DRAWING ROOM :**

- 1 Settee
- 2 Arm Chairs
- 3 Occasional Chairs
- 1 Writing Desk
- 1 Small Table
- 1 Kerb (Wood)
- 1 Card Table
- 2 Small Tables
- 4 Pelmets
- 1 Fan
- 2 Lights

DINING ROOM :

- 1 Easy Chair
- 2 Flower Pot Stands
- 2 Pelmets
- 1 Side Board
- 1 Dining Table with Leaf
- 6 Chairs

- 1 China Cabinet
- 1 Kerb (Wooden)
- 1 Fan
- 3 Lights
- 1 Refrigerator

VERANDAH :

- 1 Hall Stand
- 1 Table (Round 36" dia.)
- 1 Cane Table

VERANDAH (Contd.) :

- 2 Cane Chairs
- 1 Pulley
- 4 Canvas Purdahs
- 1 Fan
- 2 Lights

2 BED ROOMS :

- 1 Hanging Almirah
- 2 Shelf Almirahs
- 1 Double Bed
- 1 Single Bed
- 4 Mattresses
- 6 Pillows

2 Dressing Tables

- 1 Bedside Chair
- 2 Boot and Coat Stands
- 1 Gown Stand
- 1 Chest of Drawers
- 1 Mosquito Net

4 Pelmets**2 Fans****4 Lights****COOK HOUSE :**

- 1 Zinc Top Table
- 1 Cooking Range
- 1 Coal Bin
- 1 Kitchen Sink
- 1 Light

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Registrar of Amusements
Calcutta.



2 BATH ROOMS :

2 Wood Towel Rails
 1 Cane Bath Stool
 2 Medicine Chests
 2 Wall Mirrors
 2 Floor Grids
 2 Bath Tubs
 2 Wash Basins
 2 Lights
 1 Toilet Paper Box

PANTRY :

1 Stores Almirah
 1 Food Almirah
 1 Zinc Top Table
 1 Sink
 1 Light
 2 Stools
 1 Small Cup-board

INVENTORY OF BUNGALOW NO. 5/2.**DRAWING ROOM :**

1 Writing Desk
 1—3 Pc. Suite
 2 Small Tables (1 Sqr. & 1 Hex.)
 4 Peg Stools
 2 Occasional Chairs
 1 Fan
 2 Lights
 1 Kerb (Iron)

COOK HOUSE :

1 Cooking Range
 1 Coal Bin
 1 Zinc Top Table
 1 Sink
 1 Light

2 BED ROOMS :

2 Fans
 5 Lights

DINING ROOM :

1 Dining Table
 6 Chairs

2 Hanging Almirahs

1 Shelf Almirah

2 Dressing Tables

1 Dinner Wagon

2 Chairs

1 Side Board

1 Bedside Table

1 Display Cabinet

2 Double Beds

1 Refrigerator

2 Coir Mattresses

1 High Chair

2 Cotton Mattresses

1 Kerb (Iron)

1 Towel Rack

1 Fan

1 Clothes Horse

2 Lights

2 Mosquito Nets

1 Bedside Locker

2 BATH ROOMS :

- 2 Marble Top Tables
- 2 Bath Stools
- 2 Floor Grids
- 2 Toilet Paper Boxes
- 2 Dhobi Boxes
- 1 Towel Rail
- 4 Lights

PANTRY :

- 2 Zinc Top Tables
- 1 Food Almira
- 1 Sink
- 1 Light

VERANDAH :

- 1 Hall Stand
- 1 Cane Table
- 3 Cane Chairs
- 2 Fans
- 2 Lights
- 4 Canvas Purdahs
- 1 Small Locker
- 1 Pulley

INVENTORY OF BUNGALOW NO. 5/3**DRAWING ROOM:**

- 1 Table
- 1—3 Pc. Suite
- 2 Occasional Chairs
- 1 Small Cabinet
- 1 Desk
- 1 Chair
- 1 Fan
- 2 Lights
- 3 Peg Tables

DINING ROOM:

- 1 Screen
- 1 Dining Table
- 1 Side Board
- 1 Display Cabinet
- 1 Dinner Wagon
- 1 Tea Trolley
- 1 Refrigerator

6 Chairs

1 Fan

2 Lights

2 BATH ROOMS:

- 2 Towel Rails
- 1 Stool
- 2 Toilet Paper Boxes
- 2 Soap Trays
- 1 Floor Grid
- 2 Medicine Cabinets
- 2 Dhobi Boxes
- 1 Clothes Horse
- 2 Lights

COOK HOUSE:

- 1 Range
- 1 Zinc Top Table
- 1 Iron Coal Bin
- 1 Sink
- 1 Light

2 BED ROOMS:

- 2 Double Beds
- 2 Cotton Mattresses



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Registrar of Calcutta
23/11/1917

2 BED ROOMS (Contd.):

2 Coir Mattresses
2 Coir Pillows
2 Cotton Pillows
2 Dressing Tables
2 Hanging Almirahs
2 Shelf Almirahs
2 Chairs
2 Bedside Cabinets
1 Ironing Board
2 Clothes Racks
2 Mosquito Nets (Double)
1 Baby Cot
2 Fans
4 Lights

PANTRY:

1 Zinc Top Table
1 Marble Top Table
2 Stores Almirahs
1 Small Cabinet
1 Light
VERANDAH:
1 Table
1 Fan
2 Lights
1 Pulley

INVENTORY OF BUNGALOW NO. 5/4

DRAWING ROOM:

1—3 Pc. Drawing Room Suite
1 Small Table
2 Peg Stools
2 Occasional Chairs
1 Desk
1 Display Cabinet
1 Fan
2 Lights

PANTRY:

2 Zinc Top Tables
1 Stores Almirah
1 Sink
1 Light

COOK HOUSE:

1 Zinc Top Table
1 Cooking Range

DINING ROOM:

1 Dining Table
8 Chairs
1 Side Board
1 Dinner Wagon
1 Refrigerator
1 Fan
2 Lights

1 Coal Bin

1 Sink

1 Light

VERANDAH:

1 Easy Chair
2 Cane Chairs
1 Hall Stand
4 Canvas Purdahs

VERANDAH (Contd.):

1 Pulley

1 Fan

2 Lights

2 BED ROOMS:

2 Double Beds

2 Coir Pillows

2 Cotton Pillows

2 Cotton Mattresses

1 Clothes Horse

1 Coat Stand

2 Hanging Almirahs

2 Shelf Almirahs

2 Chairs

1 Baby Cot & Mattress

2 BED ROOMS (Contd.):

1 Chest of Drawers

1 Dirty Linen Box

1 Toilet Table

2 Fans

5 Lights

2 BATH ROOMS:

2 Tables

2 Mirrors

2 Floor Grids

2 Medicine Chests

1 Bath Stool

1 Towel Stand

2 Toilet Paper Boxes

THE THIRD SCHEDULE above referred to :—**PARTICULARS OF PREMISES UNDER LEASE TO THE
LAGAN JUTE MACHINERY CO. LTD.**

ALL THOSE portions of the premises known as "Angus Engineering Works" consisting of a workshop and office and a lavatory with a total floor area of 51,640 square feet, two godowns with a total floor area of 10,836 square feet and workers latrines with a floor area of 296 square feet, the situation of all of which is shown on the plan hereto annexed **TOGETHER WITH** the piece or parcel of land forming part of the said Angus Engineering Works and on part whereof the said workshop office godowns and latrines are erected and built and containing an area of 62,772 square feet and comprised in :—

Dag No.	2322 recorded in	Khatian No.	441
"	2323	"	1020
"	2324	"	441
"	2325	"	431
"	2328	"	440
"	2340	"	5
"	2341	"	5
"	2342	"	1602
"	2343	"	1218 of



22/5/61
 441

Mouza Gourhaty J. L. No. 21 Revenue Survey No. 906 comprised in Touzis Nos. 318B1 and 591 Thana Bhadreswar Sub-Registry Chandernagore in the District of Hooghly and all which said workshop, office, godowns and latrines together with the said piece or parcel of land are butted and bounded on all sides by the remaining portions of the premises known as "Angus Engineering Works".

ALL THAT brick built message tenement or dwelling house known as Bungalow No. 6 containing four several dwelling quarters numbered 6/1, 6/2, 6/3 and 6/4 (each such dwelling quarter consisting of a drawing room, a dining room, two bed rooms, two bathrooms, a bottle khana and a verandah) **THER WITH** the outside kitchens and servants' quarters appertaining to the said Bungalow and the piece or parcel of land thereunto belonging to and on part whereof the same are erected and built and containing an area of 7,694 Sq. ft., (made up as follows : Bungalow—5777, Outhouses—1,917) including Plinth areas and attached drains be the same a little more or less, situate and lying at and being in Chandernagore Thana Chandernagore Sub-Registry Chandernagore in the District of Hooghly and butted and bounded in the manner following, that is to say, on the **North** by the compound wall running along Gourhaty Ferry Ghat Road for a distance of 105'-0", on the **East** by River Hooghly on the **South** by Bungalow No. 5 and on the **West** by the compound wall running from Gourhaty Ferry Ghat Road Parallel with the Grand Trunk Road for a distance of 125'-0" to within 44'-0" of the North East corner of C.S. Plot No. 2347.

THE FOURTH SCHEDULE above referred to :—

VALUE OF THE DEMISED PREMISES			
Land	..	..	Rs. 1,95,000
Buildings			
Works including Durwans Quarters	..	Rs. 26,72,800	
Lady Doctor's Bungalow	..	Rs. 40,000	
Staff Bungalow No. 5	..	Rs. 1,95,500	Rs. 29,08,300
Plant and Machinery			Rs. 28,78,775
Furnishings, etc.			
Works	..	Rs. 98,800	
Bungalow No. 5	..	Rs. 29,250	Rs. 1,28,050
Motor Vehicles			Rs. 18,200
			<u>Rs. 61,28,325</u>

THE COMMON SEAL of The Angus Company Limited was hereunto affixed by the direction and in the presence of *Spencer L. Smith* and *Albert Black* two of its Directors who have hereunto set their respective hands and these presents have been countersigned by *George Emory Butcher* for and on behalf of Thomas Duff & Co. (India) Private Ltd., the Managing Agents of the said Company in the presence of:

Spencer L. Smith, *Chartered Accountant*,
3, Blue An, Calcutta.

THE COMMON SEAL of Braithwaite & Co. (India) Limited was hereto affixed in the presence of : *Sir John Brown* and *M. T. C. Hombry* two of the Directors thereof who have hereunto set their respective hands and these presents have been countersigned by *M. Y. S. Targal* the Secretary of the said Company.

W. Adam

P.W. Agent

W. Adam

A. Clark

For Thomas Duff & Co. (India) Private Ltd.
Managing Agents.

W. Adam

Managing Director

G.D. Butcher

W. Adam

J. A. G. Brown

W. Adam

T. C. Hombry

W. Adam

M. Y. S. Targal



W. Adam

Registrar of Companies,
Calcutta.