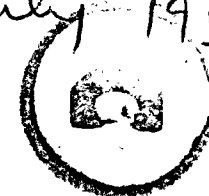


393

The Power

Vol. 2 No. 10

July 1952



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The POWER



EDITOR: P. S. PILLAI, M.A.

Vol. II
No. 10

JULY 1952.

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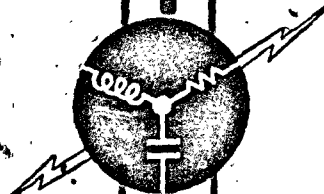


182 393

CONTENTS.

1. Editorial
2. Special Article
3. Consumers Companion
4. Trade Talks
5. Books & Brochures
6. News & Notes
7. Here & There
8. Tit-Bits etc.

Madras Markets
&
Where to Buy



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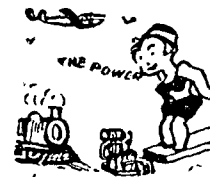
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That's the speed at which the Power works. In this era of progress, it keeps you in pace with progressive thought and creative endeavour. It puts the knowledge of power—power which is essential to the growth of industry and the subsequent improvement in the standard of living—at the service of millions all over the world. It brings that sense of comradeship and good fellowship that eases life's burdens. We also maintain the best information service sending out enquiries & offers to our various clients, coming as they do from inland and overseas representatives. It is a tradition with us to do a job just as well as it can be done and as well as it has ever been done.

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Madras Markets
&
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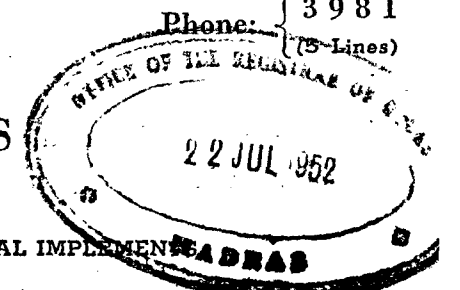
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S.	...	6	13	20	27
M.	...	7	14	21	28
T.	1	8	15	22	29
W.	2	9	16	23	30
T.	3	10	17	24	31
F.	4	11	18	25	...
S.	5	12	19	26	...

Answers — June (1952) Quiz.

1. Ginger Ale
2. Biro
3. X-Ray Examination

2. QUIZ.

Which stay up by themselves?
White becomes whiter
And coloured becomes brighter—which
make so?
What they reveal is suggestive
But what they conceal is vital—solve it.

3. HERE'S HOW.....

The Bank of Health pays splendid dividend
The soap is kind to hands
Double is an ounce or a ton, depending on
how we take it.



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For Competition Corner see Madras Markets Section.



WORLD - WIDE
JOURNAL



PUBLISHED MONTHLY



Vol. II

JULY, 1952

No. 10



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Address your Correspondence to:

THE POWER,
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CONTENTS

1. Editorial	...	...
2. Special Article	...	...
3. Consumer's Companion	...	...
4. Trade Talks	...	...
5. Books and Brochures	...	...
6. News and Notes	...	...
7. Here and There	...	...
8. Madras Markets	...	...
&		
Where to Buy (Power's Supplement).		



A country's greatness is seen in the happy homes of the people; in other words, it rests with the women who play an important part in the national life, socially and economically. As mothers and first teachers of their children who are the citizens of tomorrow they have to mould their character and general outlook on life, to inculcate in the future citizens of the world high principles of life, friendliness and fellowship for the common good of humanity and make the saying "The hand that rocks the cradle rules the land" a reality. Then the coveted goal—the world order and peace—will be achieved.

Overtake & Outrun:

Women have recognized their rights and there can be no limit to their aspirations in the matter of overtaking or outrunning men in the race of this world.

Woman, to begin at the beginning, was kept in a hutch at the bottom of the Garden and she was taken out by the melting Adam. But she never went back and now remains as the edifying part of the humanity. At ten she is unruly and vindictive; and at twenty she is the same girl, only more cunning and more commercial. In her teens she makes the young man with thoughts of love, an ass of himself.

Beauty is women's special prerogative and children are her real gifts. Her association with man will lift or lower fortunes as the case may be.

Part in Politics:

It is too large an order that students should not indulge in politics. Was it not Addison that said that children in England learnt or were taught to be proud of their Whigism or Toryism before they could tell their right from their left hand? Politics does not mean agitation against Government, against Law and Order.

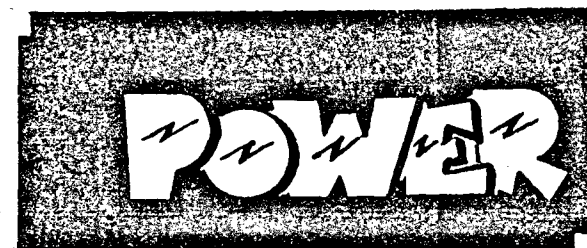
Students naturally should participate in the general wave of public feeling. The pedagogic ideal of scholarly isolation from the contaminating influence of politics is hard to be realised. Taking an intelligent interest in what is passing around them, understanding the commercial prosperity of the country should form the progressive part of students in this fast-moving world.

"When Oxford draws knife" ran the old rhyme, "England's soon at strife". And the historian does not regret at this incidence, for Politics is for the students to indulge in, with certain amount of prudence and prosperity.



Children are the fathers and mothers for the future; they have to assume citizenship of the world which has become small, thanks to Science & Engineering. Proper training of the body, mind and soul through education or otherwise are the prerequisites for sensibly shaping young habits—which are like lion cubs, so fluffy and funny—which control their later lives.

Then they are well on the road to mastership.



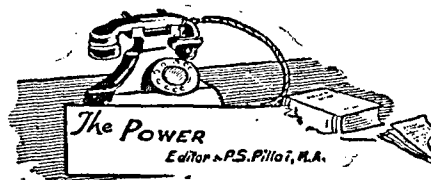
393

Vol. II

July, 1952

No. 10

"Take the good man's book and ponder what its pages say to thee",



The Foundry Industry:

We confine ourselves to the Foundry Industry in India as it exists to-day. Going back we find from available records that as early as 1824 attempts were made to produce iron at Salem in Madras State. The attempts met with little success; for the shortage of coal which was required for the smelting process was the chief difficulty and the use of charcoal was uneconomical. In the latter half of the same century, the Geological Survey of India located iron ore, coal and limestone deposits in Bengal and Bihar. Thereafter the Bengal Iron Works at Kulti under the control of the Indian Iron and Steel Coy., began its successful project in this district for production of iron in 1870. To-day its production is about 250,000 tons per annum which figure rose from 9000 tons per annum at the commencement. Still we lag behind the country's proved demand for foundry iron which works

out at 400,000 tons per annum and the potential demand which is estimated at 600,000 tons per annum.

Such output figure is taken into account of after satisfying the requirements of the steel industry. The basic factor is the process of iron ore reduction. In the reduction process of iron ore to pig iron, coal is the most important raw material. Not all coal but coal of specific quality—metallurgical coal with definite characteristics—is required and found suitable for coking. This is the problem facing the coal mining industry in the country as metallurgical coal is not available in abundance like iron ores. The estimation of coking coal reserves in India as quoted by the Planning Commission is approximately 2,000,000,000 tons. Due to impurities found in them all coking coals are not useable in their "as-mined" condition. Washing process is needed to reduce the ash content, and then suitable for coking.

A specialised branch of the industry is the coking process. Apart from the production of coke, gas is generated which is useful for allied services necessary in iron and steel production; also the bye-products from coal conversion include tar, oils and sulphate of ammonia etc., which are important to industry in general. The extra demand of 400,000 tons of foundry iron would require an equivalent tonnage of coke. This can be met with by further finan-

cial outlay of nearly Rs. 30 crores in the form of extension of existing blast furnace plants.

Whatever may be the difficulties, the utilisation of pig iron for foundry production is the paramount importance and should not be lost sight of. We have a long road to travel. Foundry products are still in large demand which depend on the skill of the engineer, the moulder, the core-maker and the pattern maker. The standards of quality and design require improvement.

True it is, mechanization in foundries has been created. One instance on the point is the production of cast iron pipes which are needed in projects as irrigation, sanitation and agriculture. The centrifugal spinning process employed in this work needs further development apart from other forms of mechanical aid involving the use of sand. And the scientific control of the production of cast iron from the foundry cupolas demands closer analysis and attention. Equipments such as Hi-cycle grinding, pneumatic chippers, suring

frame grinders etc, have made a big contribution to the reduction in cost and increased productivity and quality finish.

Mechanisation points the way to future development of the foundry industry in India in proportion to the increase of financial outlay. The enormity and importance of this industry call for a bold policy and programme at a high level.

Power's Punch

Saving the Sinking Ship.

Quiet and calm, without a fear
Of danger darkly lurking near,
Thanksgiving to Rajaji-to him
all praise be,
Who from the gathering storm
has set the 'Ship of State'
free



SPECIAL ARTICLE—

A day at a Soviet Plant

(by a correspondent)

This is a short story of a day at a Soviet industrial establishment—the Kalibr Plant of Moscow. It is interesting and instructive.

I tell you how? This plant whose main output consists of precision control-measuring instruments and automatic apparatus was built twenty years ago at the time when the gigantic work of industrialisation of the country was carried out. You will picture the Kalibr Plant hardly resembles outwardly an industrial establishment; because its territory is a park with thousands of trees and shrubs and flower beds. But the production premises are spacious and clean, with plenty of light and ventilation. And the plant is fitted with the latest equipment with safety regulations and splendid working conditions.

The day begins. The entire personnel of the plant work with great enthusiasm. Each worker, foreman, technician and engineer tries to invest his abilities and experience in his work, to apply new and advanced methods and help his fellow-worker. Many workers exceed their quotas and the achievements of the best worker are described in the plants' newspaper. A Soviet worker takes great

interest in his work, tries to put out more goods, to save materials, electric power and fuel. He tries to submit various proposals for improvements. The worker, engineer and technician who submit their ideas for improvements and inventions are rewarded.

In turn, the industrial establishment gives its workers the opportunity for obtaining education, for improving their health, for providing cultural and other services. The morning schools teach the children of workers general as well as technical subjects. They study for two years. The dining rooms, the canteens, the nursery and kindergarten for the use of the workers are all well attended to.

When the working day ends, life does not die down at the plant. Studies start at the evening department of the machine-building secondary school attended by workers. The plant's club is always thronged in the evening a centre of diverse cultural and educational activities. Famous writers and artists are frequent guests at the clubs, where drama, music and fine arts are the frequent features. The gymnasium is also a beehive of activity. The plant counts more than 600 athletes, including many splendid skiers, volleyball players and cyclists.

You now see from this brief outline how radically the labour and the living conditions of workers have changed in the Soviet Land—the land where the labouring people themselves are the masters.

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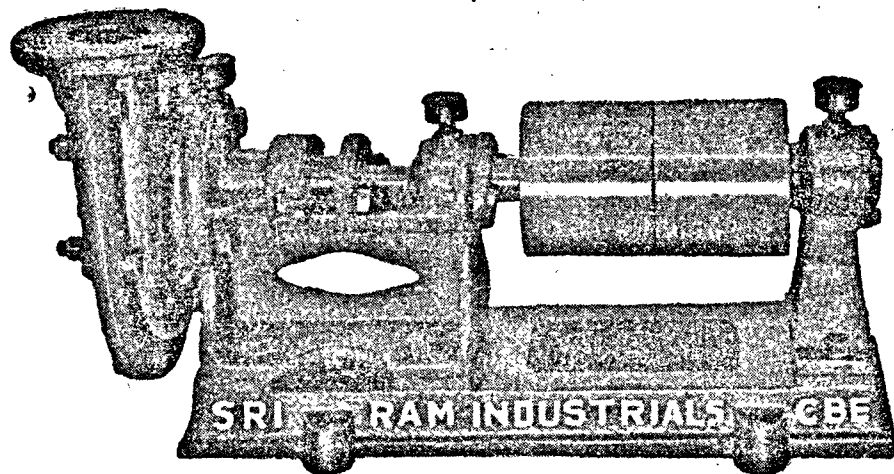
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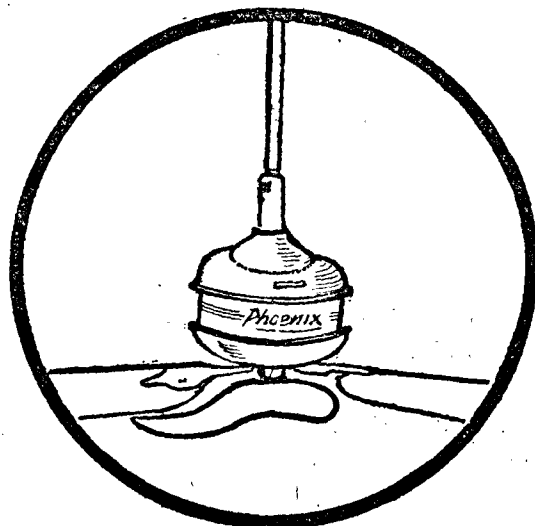
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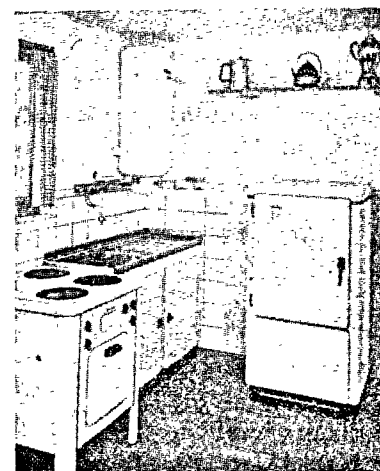
JULY 1952

CONSUMER'S COMPANION

(The Consumer of Power—Electrical and Mechanical—has every reason to keep closely in step with the fundamentals of this power and widespread modern applications. All calculations and complicated formulae have been scrupulously avoided but practical hints and notes in the form of elementary treatise are given in the POWER to be of help to the common Consumer).

REFRIGERATION :

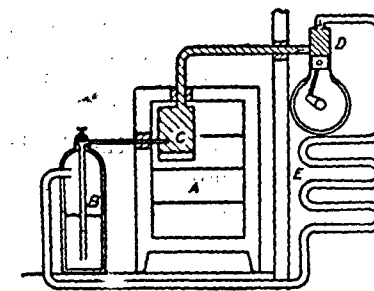
(Series - 3)



(The sphere of usefulness of refrigerations by mechanical means is constantly expanding. It finds wide use in home, in hotels and restaurants, in industry and above all in the saving of humanity from starvation and death as a food preserver. Refrigeration is understood to mean the process of securing a temperature below that of the atmosphere by the use of mechanical devices. Its main divisions are cold Storage and food preservation, ice making and air conditioning and cooling. Besides, special processes are being developed so that this engineering practice is becoming increasingly important.)

2

THE ELEMENTARY REFRIGERATOR



An Elementary Mechanical Refrigerator.

(A The refrigerator box, B. The storage tank for the liquid ammonia, C. The cooling unit where the ammonia vaporizes and absorbs considerable heat, D. the compressor which takes the vaporized ammonia from the cooling unit and compresses it to high pressure and releases it to the condenser, E. The condenser where the compressed ammonia is cooled and the latent heat removed allowing it to condense and pass to the storage tank as a liquid.)

The operation of the domestic electric refrigerator is based on the heat absorption property of a fluid passing from the liquid to the gaseous state. The escaping vapour is captured, compressed and cooled to a liquid state again so that it can be used over and over. The above gas needs to be compressed again before it will return to the liquid form. This is due to the fact that in order to recondense the vaporized refrigerant, the vapour must be compressed to a pressure corresponding to a boiling point that is higher than the maximum room temperature in which the refrigerator is to operate in order that the latent heat of vaporization may be radiated to the room. The temperature at which a refrigerator cooling unit is kept depends only upon the pressure at which the refrigerant is evaporated, while the amount of heat removed depends only upon the amount of refrigerant changed into a gas.

For the sake of comparison between refrigerators and machines, they are rated by two different standards. The engineering standard is the British Thermal Unit per 24 hours absorption rating and the box standard is the cubic foot capacity of the refrigerators boxes. Comparison is also made on the basis of the size of the electrical motor required to drive them. The engineering standard applies to all refrigerating machines, including domestic and commercial installations.

Solid Carbon Dioxide - (Dry Ice) (Zero Ice) is often used for refrigeration. It is a white crystalline substance formed by allowing liquid carbon dioxide to escape into a snow chamber. The heat for vaporizing the liquid is drawn from the interior of the chamber, so that a very low temperature 109°F, is formed, with the result that quantities of carbon dioxide solidify. This solid is pressed into various shapes and sizes and sold for refrigeration purposes under such names as dry ice, zero ice etc.

The critical temperature of a substance is the maximum temperature at which the substance may be liquefied, regardless of the pressure applied upon it. The lowest critical temperature for common refrigerants is for Carbon dioxide and is at 87.8 F. This refrigerant could not be used in air cooled condensers. The average correct refrigerating temperature for domestic refrigerators is about 45° F and to make ice, a temperature lower than 32° F is needed.

* * *

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* **FRIGIDAIRE** Household electric refrigerators.

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- (2) Model OMM—92 —9.2 cu.ft. capacity.
- (3) Model RIL—17c —17 cu.ft. capacity.

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* **FRIGIDAIRE** Food Freezers—in three compact models. Designed to make home freezing amazingly simple, wonderfully convenient, so many things you can freeze and retain vitamins food values and flavour. Models HM 90, (9 cu. ft. storage) HM 120 (12 cu.ft. storage) and HM 180 (18 cu.ft. storage).

* **FRIGIDAIRE** Ice Cream Storage Cabinets - reserve capacity with new flowing top. Uniform temperatures from top to bottom of cabinet. "Efficiency - plus" condenser. Models available from 4.8. cu.ft. capacity (15 gallons bulk storage) to 10.1 cu.ft. capacity (35 gallons bulk storage).

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tors of alternating current, as distinct from dynamos which term is generally reserved for direct current generators.)

EVENTS ABOUT ELECTRICITY

The Power we use

—Electricity

Self—Instructor (Lesson 6)

[This is an electrical age. You have to press the button to put Electricity in Action. So extensively are electrical devices employed in home, farm and factory that a very large number of people need a sound knowledge of electricity—its generation, transmission and application. To this end in view, this series of lessons is placed before the reader.]

On A. C. and D. C. Current

The action of generators is precisely the same whether the armature be rotated within a stationery field system or whether a rotating field be turned within a stationary armature. For constructive reasons, the latter arrangement is usual in alternators (i.e. genera-

The general distinction between direct and alternating current is now fairly obvious. As between weak and strong or heavy currents there is a difference only of degree, for instance, an electric tramcar could be driven by primary batteries such as are used for bell ringing, if only enough cells were employed. Where, however, it is the pressure and not the current which is increased we reach finally the limiting strength of insulating materials, including air and the phenomena of static electricity—brush discharge glowing points, sparks and so fourth—have to be dealt with; these in conjunction with the enormous power of modern generators present formidable problems. On raising the frequency of alternating currents to thousands or millions of cycles per second (compared with the 50 cycles per second which is now usual in commercial electricity supply). We enter the domain of wireless telegraphy and Tesla's researches where many fresh phenomena are observed due to the different behaviour of matter exposed to electrical discharges of high voltage and high frequency.



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DELHI DIARY

(By our correspondent).

During the present session of Parliament, two outstanding speeches on the concerned motions are worthy of importance. One is from Mr. Pandit Nehru and the other from Srimati Vijayalakshmi Pandit. Before the Parliament passed the demand for grant under the External Affairs Ministry, Mr. Nehru made important observations on a number of issues and particularly on India's membership of the commonwealth. He defended mainly India's acceptance of American aid and membership of the Commonwealth. He paid compliment to the British nation. He welcomed foreign aid at this juncture. The lady member spoke at length about India's proud record in the United Nations Assembly and paid a compliment on the loyal and efficient work by the Indian Embassies abroad.

A difficult and delicate situation has been created in Kashmir on the question of the

Head of the State. The Constituent Assembly of Kashmir had little hesitation to agree to the end of the present constitutional monarchy and recommending for the election of the Head of the State. This question could very well have been delayed till the exact future relationship between Kashmir and India is settled. In this connection the delegation of Kashmir leaders visited New Delhi and had discussions with the concerned leaders.

The manners and mannerisms of some of our legislators in the House of the People at New Delhi and in the State Legislatures are sometimes obnoxious. Indecent and hot words are spoken and at times clenched fists are shown even. These call for good behaviour, utmost decorum for the efficient conduct of business of the houses. The feeling of oneness on the part of the representatives of people combined with the spirit of service should always be in their minds, when they begin to speak and act in legislatures. Time spent in the House is more important than the time spent on peaceful slumber, unseemly snoring, disturbance of deliberations.

CAREER & COURSES

(All India Educational and Cultural Monthly)

EDITED BY: PRITHVINATH BHAT, M. A.

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Trade Talks

(Today the world of Trade offers more and better opportunities to ambitious men and women, anxious to succeed in life than any other type of career. But competition is keen and in business as in everything else the biggest rewards go to those who have taken the trouble to perfect themselves and to increase their knowledge and efficiency.)

With the professions so over-crowded, more and more of the best brains in the country are embarking on business careers. The expert moves on to the top of his profession, while others have been content to drift. The Power will prove that pride lies in performance.)

Government's Import Policy

The Government of India has announced the import licensing policy for July, December 1952 for different classes of importers. There are some modifications. Nearly 50 items have been transferred from the dollar O. G. L. to the soft currency O. G. L. Some items which were freely licensed in the preceding half have been added to the O. G. L., and a few items have been taken out of the O. G. L. As in the previous half year, the policy for a number of items has been reserved for later announcement. Principal among them are bolts, nuts, rivets, nails, washers, screws, ball bearings of certain sizes, grinding wheels, beltings, diesel engines, motors, generators, power-driven pumps, radio sets, textile machinery. The general procedure for the grant of licenses will remain practically the same as in the past except for a few changes. The usual validity period of six months has many instances been restored. But one of the changes made seems to be reactionary in nature. We refer to the regulation that applications from actual users for import licenses will be entertained only if the factory or industrial undertaking for which the raw material is required engages a minimum of 50

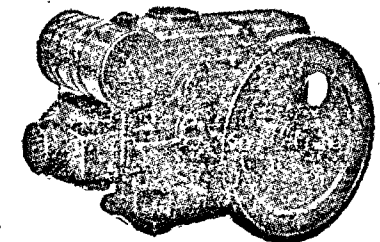
workers. This should be liberalised. The traditional red book for the use of the mercantile community has been released for sale at the major ports.

Place of Foreign Capital

The essence of the Indian Government industrial policy is to safeguard the foreign capital in India. In certain industries foreign capital holds a preponderant interest. Such industries manage their affairs well, treat labour better and run their business as a way of life. The Government of India does not propose to embarrass or eliminate them.

On Industrial Front

It is the keystone of Austrian machinery production that the producers are specialized in their manufacture. Not only are they in a position to produce machinery of outstanding quality but also of pre-eminent technical perfection. One such premier concern is Jenbacher Works Jenbach, Tirol, Austria, which is producing the new range of **Jenbach Diesel Engines**. Professor Niedermayer, Chief engineer for Deutz German Engines and Dr. H. List, Chief of the Testing Laboratory for engines in Germany, have jointly designed the Jenbach Engines after the termination of World War II. In bringing out the new design with the radical changes upon the long years of experience and research of these two famous people, this well equipped modern factory under the control of Austrian Government, emphasis is laid on reliability in performance and cheapness in price.



(Jenbach Diesel Engine)

The Special features of Jenbach Engines are:

(1) It is the first engine to be introduced with this design in the Diesel Engine Market, (2) It is totally enclosed engine having the fuel pump, injector inlet well protected from dust, dirt and accidents, (3) the only moving parts seen from outside are the flywheels (4) It is capable of using high viscosity vegetable oils and even mobiloil A (5) important components such as, Governor assembly, cam assembly, are in the units (6) one lobe cam operates inlet, exhaust and fuel pump (7) it is extremely favourable to good starting (8) it is horizontal (9) it leaves the factory after thorough test and (10) the units can be replaced from ready stock by the farmer himself who owns and operates the engine.

To explain further though in brief; the general construction of the Jenbach Engine gives a smooth outer form to facilitate cleaning all moving parts, including the fuel pump, are fully enclosed, leading to the efficient and clean lubrication and thus reduced wear. As normally built the engine employs evaporation cooling. This stationary horizontal engine works on a 4-stroke cycle principle with pre-cumbustion chamber. The forged crankshaft with hardened journals is carried in strong roller bearings, the piston is made of light alloy, the replaceable cylinder liner is centrifugally cast by special process. Lubrication is fully automatic from the oil pump to the crankcase. Besides other special and convenient features in design, the two flywheels carry balance weights. Interesting combinations of the engines with electric generators, centrifugal pumps and air compressors have been developed. In short, the characteristics of the design and the performance of the engine in the tests reported upon are of high technical interest and importance in relation to the progress of medium speed oil engine.

The following are the models in the Jenbach Diesel Engines:—

J W 8—8 B. H. P.—Single cylinder, Horizontal, evaporate cooling, four-stroke,

double fly wheel, 1500 RPM—used for driving machinery, dynamos, pumps etc. It may be mounted on a Trolley and converted into a transformable power unit for agricultural and other purposes.

J W 10—10 B.H.P. Single cylinder, horizontal, 4-stroke, double fly wheel, evaporate cooling, 800 RPM—used as a stationary unit for driving machinery, dynamos, pumps etc., and as a unit forming part of various independent-engine-combinations, such as generating sets and water - pumps, air compressors etc.

J W 15—15 B.H.P. Single cylinder, 4-Stroke, double flywheel, evaporate cooling, 1500 RPM—used as a fixed or portable unit for all type of agricultural work besides for driving dynamos, lifting, stone breaking, driving small locomotives, tractors, road-rollers etc.

J W 20—20 B.H.P. Single cylinder, 4-stroke, pump circulated cooling system, horizontal, double flywheel, 1500 RPM—used for agriculture, building and construction work, generating sets etc.

Note:—The J. W. 15. P. Diesel-driven centrifugal pump set is a combination of JW 15 Diesel Engine and a single stage centrifugal pump of 5" x 5" with output of 450-500 gallons per minute at 60 feet total head.

The Jenbach Diesel Engines are very well known as prime movers proved by performance with low operating cost and high standard of perfection. They are used all over the world—on land and sea.

For further details ask their sole Agents in India:

Messrs.

Kamani Engineering Corporation Ltd.

H. O. Bombay Office,	Madras Office,
Kamani Chambers,	2, Jones Street,
Nicol Road,	Madras 1.
Bombay 1.	

who will gladly furnish all details and give demonstration if you so desire and thus help yourself in your right choice of this reliable power.

PLEASURES & PRIVILEGES OF THE PEN

The life we live:—

The Development of a balanced personality.

In most instances the motive of education is to add a cubit to intellectual or imaginative stature; a profound and apparently self-sufficient desire to develop what rudiments of knowledge or judgment a man has in him. It is often a sort of happy fireside motive, something as naive as the longing of Padraic Colum's 'Old Woman of the Roads'.

I could be quite then at night
Beside the fire and by myself.

Our people suffer as much from ignorance as from lack of bread. It is emphasised in different ways, but it all represents a conviction that education can assist the balanced and harmonious development of an individual. These are some of the variations:

To broaden the outlook on life is more than a bread and butter existence.

Its first purpose is to provide an awakening of interest in things just as a blackbird might awaken one to the realisation that it is morning.

To give healthy food to hungry minds and to provide cultural opportunities to those who have been deprived of such from economic necessity.

We want only an Ideal - an inspiration to purely voluntary effort in the work of brining about a state of society in which the citizen's personal and private interests coincide with those of the world at large.

**WHO'S WHO
IN
BUSINESS & BANKING**

The name of the late Mr. Jamsetji N. Tata (1839-1904) is a household word in



(J. N. Tata)

India. It is intimately associated with Science and Industrialism.

Born in Baroda State of poor but respectable parents belonging to the priestly caste, he took to modern education at Bombay. Then he began to assist his father in his trade during the course of which he had opportunities to go abroad and develop his native instinct of shrewdness and commercial sagacity.

With many vicissitudes he was able to establish Tata Enterprises like Tata Iron & Steel Co. Ltd, Tata Air lines, Indian Hotels Co., Ltd., Tata Textile Company, Tata Hydro-Electric system, Tata chemicals Ltd., Tata Oil Mills Company Ltd and so on.

Wealth came to him in full measure but he remained to the last a simple, modest man seeking neither title or place. There has not been a citizen in the Indian Empire who has done more valuable service to his country than Mr. Tata. He turned his wealth into channels to fructify and do good to his fellow citizens. Life to him was no dream. Life was real, life was earnest as the great popular American poet has sung. The enduring monument of his strenuous life will be the Research Institute that owes its being to his inspiration and munificence.

We have no wings, we cannot soar
But we have feet to scale and climb
By slow degrees, by more and more
The cloudy summit of our time.

This is the priceless lesson which is to be learned from the life and life-work of this great prince in business and princely in his philanthropy.



Books & Brochures

"KNOWLEDGE IS POWER"

[Book Review is a regular feature of this monthly.

Authors and Publishers are requested to send in their latest publications to the Editor].

2000 YEARS OF SCIENCE.

By R. J. Harvey - Gibson
(A & C Black Ltd,
London.)

As we walk along a city street, we observe motor-cars, wagons, tramways rushing past us. We hand in a message to a post office and within an hour or so the message is delivered to New York. And so on. How is all this possible. If we desire to know about all these and many more then we have to study science - an organised knowledge.

The history of Science might be likened to the story of a winter bud on a tree. There are four stages of growth and evolution. This book of 464 pages is divided into four parts-Autumn, Winter, Spring, Summer giving the history of Science in all its stages and growth from the birth of Science (600 B. C.) The last chapter, Science of To-day deals with modern physics, astronomy, geology, chemistry and biology.

It is a readable book from the beginning to the end and creates for the reader interest in the pursuit of Science.

PRACTICAL SALESMANSHIP INCLUDING PUBLICITY.

By Rustom S. Davar, Price Rs. 7. as 8.
[Progressive Corporation Ltd.,
51, Esplanade Road,
Fort, Bombay.)

This volume deals with the practical aspects of modern Salesmanship. The treatment is simple and attractive, interesting to the layman and the professional. The various methods of dealing with customers are described. The chapter on "PUBLICITY and ADVERTISING" is of particular interest.

THE LIFE OF SCIENCE:

Essays in the History of civilization by
George Sarton.
(Henry Schuman-New York, 1952.)

We find in this handy book delightful essays about world's Scientists and Philosophers-like Harvey, Napier, Spencer. The methods of the History of Science are in very human terms. The Spread of Understanding forms Part One, the Secret History Part Two, East and West Part Three and Casting Bread upon the Face of the waters Part Four.

There is no end to the riches to be found here: You have only to dig a little and explore the vein.

General:

PADITTHA MANAIVI:

(Educated wife) - tamil
By Lakshmi, (Alliance Co.,
Mylapore, Madras 4.
(Pp. 158. Price Rs. 2.)

This is a book of Short Stories in Tamil. The author's portrayal of women is truly Indian. The typical Indian wife, loving, faithful and forgiving is portrayed in 'Mary Selvam'.

News & Notes

"Whatever the busy bustling world employs,
Our wants and wishes, cares and joys,
These the "POWER" of our time display,
And call them News and Notes, the hodge-Podge
of the day."

PERSONALITIES

In the world of art, where mushroom reputations are common enough, the position of



Augustus John is phenomenal in its dignity and solidity. The fact that John is a Welshman does not explain the phenomenon. Painting is not a national sport in any country in the great studio in his garden in Hampshire he labours in his 73rd year unceasingly. White goats leap on the lawn. In the house are books innumerable, a bottle of wine is always open for the passing friend. He is no simple child of nature, despite his immense natural vigour. To keep his ideas intact against the pressure of the modern world is an incessant struggle. He does not run away from it, however, in any sense, and his formidable wit makes his visits to London memorable.

John will paint a famous beauty in the grand manner she deserves and a street

hawker in all her unrelenting squalor. His secret lies in telling the truth. He has always been consistent to his own idea of the truth in his life and in his art. He is a genius and geniuses are not lucky; they work. John is immensely talented and hard-working.

In Venice, he saw the works of Titian, Veronese, Tintoretto. He saw Mantegna in Padua, Goya and Velasquez in Madrid, El Crdeo in Toledo, Rubens in Antwerp, Rembrandt at the Hague, Courbet and Delacroix in Paris. That is why his work, which is so deeply rooted in the past, is so vibrant with the present. By mastering his craft and by attempting to please nobody but himself, he became a master in his turn. His fame as a portrait painter did not imply any lowering of his standards. On the contrary, he set impossible standards for others.

This great painter, John, though old has lost none of his powers. Strong features and long fingers sum up the forthrightness and delicacy of this aged painter. His power grows. He is still haunted by an ideal, by a world in which Galway peasants, Welsh gipsies and Spanish dancers move with lithe grace to the sound of their own music, unhaunted by bombs and other modern inventions. He calls us back from our hideous world of mutual destruction to the vital world of primitive people.

If the world were as it should be there would have been many great walls to receive John's inspirations. It is right to think of him as a man of the Renaissance born out of his due time. And his command "Don't be afraid of life" is worth commending.

MATTERS

INSIDE INDIA

The total number of operational agreements signed within the general framework of the Indo-U. S. Technical Co-operation agreement between India and the United

States is eight. They cover community developments programme, supply of fertilisers, construction of tubewells, soil research etc. The contribution of the Government of India for implementation of these projects is about Rs. 40.91 crores.

The first conference of tribal people of India was held recently in New Delhi and it was addressed by the President and Prime Minister of India. 20 million people belong to the tribal societies of India—such as the Gonds, Santals, Nagas etc. The Constitution of India laid a mandatory duty on the Government to give special attention to the problem of tribes. They needed schools, dispensaries, hospitals, roads, cottage industries and so on. The object of the conference was to consider such aspects of the tribal problem and to take efforts to make them feel that they are an important and integral part of the nation.

Except for the lone voice of a few Communists, State-wide welcome and support were seen at the announcement of Mr. Rajagopalachari's announcement of the total abolition of control and rationing of foodgrains in the Madras State. The man in the street heard the announcement with a sigh of relief as he has now no fear of the police or the rationing official. This was a courageous measure of the Chief minister and a bold experiment.

INSIDE EUROPE

The "Purge" of the administration ordered by the Communist rulers of Czechoslovakia has caused the dismissal of Dr. Jan Seveik, Deputy Prime Minister of Czechoslovakia. The country was liberated from the German yoke in May, 1945. The communists seized power at Prague in February, 1948. Large numbers of people joined the party. Then came the 'purge' referred to in December 1949.

The Spanish leader General Franco is still continuing his diplomacy. Two months back he met and conferred with Dr. Salazar, the Portuguese Premier to find out ways and

means to secure Portugal's support in his negotiations with the U. S. A., and in some of his ambitious plans. Meanwhile he sent his foreign minister, Senor Artajo on a tour of the Middle Eastern countries to sign friendship and cultural pacts with the Arab States, to avoid the scorn of the Atlantic Powers against him. It remains to be seen how far his game of placing all his diplomatic eggs in different baskets will succeed.

Trouble starts between Russia and Sweden. This is due to Russia's determination to strengthen her position in the Baltic Sea. Though Sweden is not a member of the Atlantic Alliance, her position is good. She has felt the impact of Russian Power and likes to avoid war. She likes to keep Finland as a neutral buffer between her and Russia in order to avoid any clash. Any way one more area has been added to the tense regions of the World to-day.

INSIDE AMERICA

The noted American philosopher Dr. John Davey is dead at the age of 92. He was the greatest driving force in the movement for progressive education. According to him psychology was a natural science not a branch of metaphysics. The effect of his influence was the reform in scholastic methods all over the country. He was a prolific writer and his writings made him a beloved figure in the world of thinking.

Gen Eisenhower took his be-ribboned uniform off and became a plain mister and found himself in the midst of a first class political quicksand when he began his election campaign for the Presidency. His beautiful dream that the whole nation was yearning for him and that he could move into the White House without going through the chore of presenting himself before the electorate was shaken. As against his rival Senator Taft of the same Republican Party, he had to come down to earth and go after votes.

INSIDE ASIA, AFRICA & AUSTRALIA

A situation has risen already in South Africa by which the African National Congress and the South African Indian Congress have launched a campaign to halt the racial arrogance and the tide of Fascism. The struggle would be continuous and the response by volunteers is encouraging.

The French and Tunisian leaders have worked out a reform plan aiming at self-government for the Tunisian Protectorate within the French Union in five years with France to have control of foreign policy and defence. Executive power will progressively be put into the hands of Tunisian Ministers.

The Korean truce talks are nearing their first anniversary. The people of China are tired of the Korean war and are anxious for a face-saving formula that could bring peace. The fear of the American about the prisoners issue is probably holding up truce talks.

SPORTING SCRAPS & PASTIME POINTS

Broadcasting in India are now made in 17 languages including Sanskrit and 12 dialects in the Home Services and in 13 languages including 2 dialects of Chinese in the External Services. In regard to news services, 72 news

bulletins are being put out daily-43 for listeners at home and 29 for listeners abroad. Special attention is being devoted by A I R to classical music which is regarded as an aspect of Indian culture. The Five-year plan for the development of broadcasting is estimated to cost Rs. 3.52 crores, with a recurring expenditure of about Rs. 94 lakhs a year after the plan is implemented. Hindi is gradually given prominence to.

England defeated India by 7 wickets in the First Test at Lord's. Ghulam Ahmed, Phadkar and Ramchand bowled finely to make the English batsman earn every run. England was superior in every department and deserved her success. The weak catching and poor fielding were the main causes of India's defeat.

The Indian Team lapsed into a defeat by 8 wickets in the second Test at Lord's after great fighting. With the exception of the brilliant Mankad and the experienced Hazare, the remaining members of the Indian Team had still to shape better.

The 1952 Olympic Games at Helsinki attract the attention of the sports lovers all over the world. India will defend her title in hockey.

In a Few Lines

Mr. V. K. Krishna Menon retires as High Commissioner in London and waits to step in his new job.

M
E
N

The Duke of Edinburgh is to organize cricket matches in the grounds of Buckingham Palace. He is a capable batsman and bowler.

Prime Minister Mossadeq would soon resign his premiership—so says the Daily Express.

M
A
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R
S

One pie a mile on bus passengers—is one of the new taxations proposed by the Madras Government.

The U. N. raid on the Yalu power plant in Manchuria is a distinct set-back to world peace.

The 35th I. L. O. Conference at Geneva has concluded after a three-week session. It gave final approval to an International Convention guaranteeing paid holidays for farm workers.

Here & There

(Those who read the Power may be able to find here a fun and there a frolic, here a pinch and there a punch, here a soup and there a saucer.)

DEW & DO

Many jokes turn about the fact that dew sounds like do but dew is no joke in refrigeration business. The dew point is the temperature at which the moisture in the air is precipitated in the form of dew or 'sweat'.

INFLATION

A cup of coffee in a Pusan Cafe (Korea) costs Rs 2 and a good meal Rs. 40.

ASTROLOGERS

In the U.S.A., there are 25,000 practising astrologers, in Europe probably as many and in the Far East hundreds of thousands who earn a living by forecasting the future.

TALKING

Talking is the worst enemy in a 'talkie'.

TWO FUNCTIONS

To speak and to hear are the only two functions of M.P's-so said the Deputy Speaker.

BY MISTAKE

A private in an army on his home journey on leave to get married showed his marriage certificate by mistake for his railway ticket.

The official retorted "Yes, my boy, you've got a ticket for a long wearisome journey, but not this road."

DEAD & LIVING

Millions now dead have never lived. The living are just beginning to learn how to live.

FRICTION

Friction is everywhere on earth even in home life.

SEEING & LISTENING

'Seeing thro' newspaper and 'listening in' to the radio for cricket matches have become the fashion of the day.

DECEPTIVE

Distance also makes deceptive, for example, the total bigness of the Sun, which is 333,400 times as massive as the earth.

EASY METHOD

The easy method of selling your car is to take a photograph of it with a cinema star and have them advertised in the Power.

THOUGHT FOR THE MONTH

In vain I task my aching brain,
In vain the sage's thought I scan,
I only feel how weak and vain,
How poor and blind is man.

—J. G. Whittier.



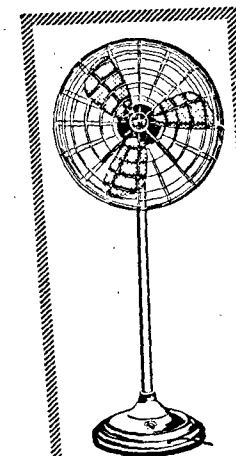
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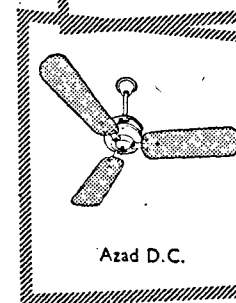
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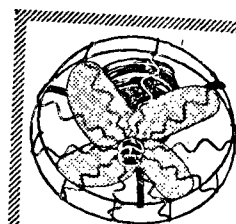
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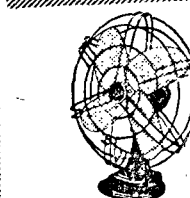
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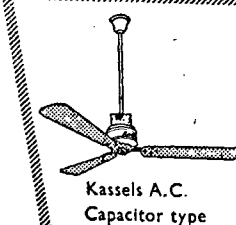
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„ Cup	32	0	0 „	Carburetor Kit Dodge	10	8	0 „
AC Fuel Pump kit D-8	7	8	0 each	„ Repair Kit Chev	8	8	0 „
„ „ D-15	8	0	0 „	„ „ „ Ford	9	0	0 „
„ „ D-1	5	8	0 „	Pump Connection complete			
Ignition points Ford	4	12	0 set	„ Dunlop	39	0	0 doz.
„ „ Chev.	2	8	0 „				

Get your troubles in Electricals set right by M/s Durai Brothers, Madras - 1.

	Rs	A.	P.		Brass Pattas (Cold Rold)				
Motor Body Polish Simoniz	5	12	0	each	Sizes	14''x 42''	15''x 45''	16''x 48''	
„ „ „ Local	2	8	0	„		20 lbs.	24 lbs.	28	35 42
Water Pump Bearing Chev.					Rs.	170-4	165-4	160-4	155-4 153-8
No. 55, 67	13	8	0	„	(Other items on enquiry.)				
„ „ Dodge	14	0	0	„	XIV. YARN				
„ „ Ford	13	0	0	„	MAXIMUM EX-FACTORY PRICES OF YARN.				
„ „ for Jeep	12	0	0	„	1½s Waste	6/1/6	10 lbs.	1½s Waste	6/1/6 10 lbs.
Frontwheel Bearings Hyatt.	38	0	0	set.	2s	„	6/7/6 10	4s	„ 6/9/6 10
Universal Cross Bearing Jeep	28	0	8	each	2s	„	9/8/6 10	6s	„ 7/8/- 10
Different Bearing cheap Chev.	12	0	0	„	7s	„	7/8/6 10	1½s Waste Col	
Batteries Exide 17 plates	90	0	0	„	Mixing 6/3/6 10				
„ „ 13	80	0	0	„	Counts	Cotton	Minimum product of counts & Single Lea Strength in lbs.	Price Per 10 lbs. Two-fold.	
„ Standard 17	77	8	0	„					
„ „ 15	70	0	0	„					
Head light Bulbs U.S.A.	18	0	0	doz.					
„ „ Ring type	20	0	0	„					
Tail Lamp Bulbs 6 volts China	3	8	0	„					
„ „ „ Eng.	5	8	0	„					
„ „ 12 volts Eng.	6	8	0	„					
Screw type Bulbs 6 volts	5	8	0	„	4s	Indian	800	9 5 0	10 3 0
Pin type Bulbs 6 volts small	6	8	0	„	6s	„	„	9 9 0	10 7 0

XIII. METAL MARKETS

COPPER & BRASS SHEETS.

(DMI) brand—each bundle of 1½ cwts.			
Brass Circles—(Cold Rolled)			
Sizes	13"-24"	10"-12"	5"-9" 21 lbs. circle.
28 lbs.	150-4-0	155-4-0	160-4-0 170-4-0
35 lbs.	145-4-0	150-4-0	155-4-0
42 lbs.	140-4-0	145-4-0	150-4-0
Copper Circles.			
(Stock Sizes)	Sizes	5"-24"	
Gauge	17,18,19	21,22	
Price	Rs.	165-4-0	190-4-0
Copper Sheets.			
(Stock Sizes)	Cold rolled & Annealed.		
Gauge	21	20	15,16,17,18,19
Price	Rs.	190-4-0	170-4-0 165-4-0
Aluminium Sheets & Circles			
Gauge	20-22		
Sizes	9"-16"	Rs.	1-11-6 lb.
5"-8"		Rs.	1-12-6 "
Brass Sheets. (Cold Rold) Size 2'x4' (25% fall size			
Thickness			
28 lbs.	35 lbs.	42 lbs.	
Rs.	160-4-0	155-4-0	155-4-0 cwt.

It certainly pays to Advertise in the 'Power' & 'Madras Markets'

	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
60s Foreign			100s Foreign Egyptian		
Giza'30 and 1800 Other			Karnak Maarad Superior		
Carded	56 4 6	61 12 6	2000 Combed	93 6 0	105 10 0
60s Equivalent 2000			4s to 9s Mixed Yarn	6 9 0	7 7 0
Cottons Combed	62 0 6	67 8 6	10s to 20s "	9 12 0	12 0 0
60s Foreign Egyptian			22s to 30s "	10 9 0	12 10 0
Karnak Menoufi 2000			32s to 40s "	17 13 6	21 3 6
Carded	63 14 6	69 6 6	42s to 50s "	20 3 0	24 7 0
60s " " 2200 Combed	70 11 6	76 3 6	52s to 60s "	29 4 6	34 12 6
80s " " 1800 Carded	68 15 0	77 10 0	62s to 80s "	35 0 0	41 0 0
80s " " 2000 Combed	75 12 6	84 8 6	82s to 100s "	42 7 0	51 1 0

Note: For other items for other markets prices on application,

For your specific needs in Power Problem ask
Jacks about it
M/s. William Jacks & Co. Ltd., Madras - 1.

PANEL ADVERTISEMENTS

Charges under this section are Rs. 60/- per column of 1 inch per year (minimum contract for one year.)

Pulleys, W. I. & C. I

MALHOTRA MILL STORE CO.

33, Muker Nallamuthu St.,
Madras - I.

Telephone No. 3508.

Industrial Stores Trading Company,
11, Mclean St., 1st Floor
G. T. Madras.

WE OFFER FROM READY STOCKS.

Red vulcanised Fibre Sheets and Fabric Base Laminated Sheets and Rods, (for silent Gears, Pinions and Engineering Parts)—Nagase Diesel Oil Engines 4 H. P., 6 H. P., & 10 H. P.—N. F. Wood Screws—Dorsella Milk Food for infants—Lucas Girder Pattern Adjustable Spanners etc.

Phone Rosi : 25446 Grams : POPATBABU

BOMBAY METAL & ENGINEERING TOOLS CO.,
83, Nagdevi Cross Lane, 1st Floor, BOMBAY-3.

WE OFFER FROM READY STOCKS :

Brass & Copper :—Rods, Wires, Sheets & Pipes. PH. Bronze & Monel Metal :—Rods, Wires & Sheets. Beltings :—Rubber, Hair, Leather & Canvas. Diesel Oil Engines—Pumps—Chhaki—Ball Bearing—Belt Fastners—Lacings—& General Engineering Tools.

DURAI BROTHERS
ENGINEERS & CONTRACTORS
1/11, Umpherson Street, G. T. Madras
Undertake all kinks of contracts & repairs, in Electrical & Mechanical and rewinding of Motor etc.
SALES & SERVICE.

WHERE TO BUY

ELECTRICAL ACCESSORIES Etc.

The Crompton Engineering Coy. (Madras) Ltd.,
2nd Line Beach, Madras-1.

The General Electric Coy of India Ltd.,
Mount Road, Madras-2

Associated Electrical Industries (India) Ltd.,
1st Line Beach Madras-1.

Messrs. M. T. Rajen & Co.,
195, N. S. C. Bose Road, Madras-1.

Madras Electricals Ltd.,
Rattan Bazaar, Madras.

Fomra Brothers,
392, Mint Street, Madras-3

Modi & Modi,
11, Linghi Chetty Street, Madras-1.

Visvanathan & Co.,
103-A, Godown Street, Madras-1.

Seeyansee & Co.,
55 Anderson Street, Madras-1.

The Electrical & General Supply Co.,
170, Broadway, Madras-1.

T. G. Pathy & Co.,
230, Govindappa Naick St., Madras-1.

Madras Radio Co.,
Armenian Street, Madras-1

M/S. City Electric Stores,
330, Thambu Chetty Street, Madras-1.

ELECTRICAL INSTALLATIONS UNDER-TAKEN:

The General Electric Coy of India Ltd.,
Mount Road, Madras-2.

The Crompton Engineering Co., (Madras) Ltd.,
Second Line Beach Madras-1

Sethuram Thyagarajan & Co.,
Angappa Naicken Street, Madras-1.

Viswanathan & Co.,
103-A, Godown Street, Madras-1.

Durai Brothers,
1/11, Umpherson Street,
G. T. Madras.

CONSULTANT ENGINEERS

I. S. Rao, Bsc (Eng) A.M.I.E.
25-A, Thambu Chetty Street, Madras-1.

ENGINEERING—GENERAL

Kutty & Rao (Engineers) Ltd
1/95 Broadway, Madras.

KASSELS, ANAND & LUCKY FANS

M/s. Gordon Woodroffe & Co (Madras) Ltd.,
North Beach Road,
Madras-1.

PHOENIX FANS

RM. S. & Co., Ltd.,
16, Broadway, Madras-1

EMCO FANS

M/s. Crompton Engineering Co., (Madras) Ltd.,
Second Line Beach, Madras-1.

I.E.W. FANS

The India Electric Works Ltd.,
19/29, Mount Road, Madras 2

ORIENT FANS

M/s. The Calcutta Electrical Manufacturing
Co., Ltd.,
4 Stringer's Street, Madras-1

POLAR FANS

M/s. Vernon & Co., Ltd.,
36, Second Line Beach,
Madras-1.

M.E.M. STARTERS AND SWITCHES

Seeyansee & Co.,
55, Anderson Street, Madras-1.

Madras Electricals Ltd.
55/57, Rattan Bazaar, Madras 1.

M. T. Rajen & Co.,
195, N. S. C. Bose Road, Madras 1.

RM. S. & Co. Ltd.,

16, Broadway, Madras 1.

FERRANTI METERS, & CALLENDER CABLES ETC,

B. I. C. C. Ltd.,
37, Second Line Beach, Madras 1.

Kassels, Lucky, Anand & Azad fans are popular

Apply to M/s. Gordon & Woodroffe & Co., (Madras) Ltd., Madras - 1.

COMPETITION CORNER :-

Power's Puzzle No. 1

1. — HOENIX...A Fan
2. — EST ...Doctor's Advice
3. — ARRY ...A Madras Big Firm
4. — UST ...often destructive

Note :-

1. The above is for your practice only.
2. The following entry form or forms to be used.
3. Fill up each dash with one apt letter.
4. Address entries to **THE POWER, 296, Lingha Chetty St., Madras-1.**
5. In entering the competition you are bound by the rules and conditions of the same.

FIRST PRIZE RS. 100/-

Entry fees as. 4 per each entry

Runners up Rs. 50/-

Closing Date: 4 P. M., Saturday the 30th August, 1952.

The official solution and the prize list will be published in the September '52 issue of the Power's Supplement. (Madras Markets & Where to Buy)

----- (Cut here) ----- (Entry form for Power's Puzzle No. 1) ----- (Cut here) -----

Send intact the complete entry form. Leave the unused form blank. The fee for each entry is as. 4.

1. — HOENIX...A Fan
2. — EST ...Doctor's Advice
3. — ARRY ...A Madras Big Firm
4. — UST ...Often destructive

1. — HOENIX...A Fan
2. — EST ...Doctor's Advice
3. — ARRY ...A Madras Big Firm
4. — UST ...Often destructive

I agree to abide by the Competition rules & Conditions.

SURNAME (only) } Mr. _____
in Ink and Block } Mrs. _____ Initials _____
Letters } Miss. _____

Full Address _____

Encl. : P.O. or M.O. Rept. No. _____

----- (Cut here) -----

Encl. : P.O. or M.O. Rept. No.

Full Address

Letters

in Ink and Block

Mr. Mrs. Miss

Initials

I agree to abide by the Competition rules & Conditions.

1. — HOENIX...A Fan

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1. — HOENIX...A Fan

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4. — UST ...often destructive

1. The above is for your practice only.

2. The following entry form or forms to be used.

3. Fill up each dash with one apt letter.

4. Address entries to THE POWER, 296, Lingha Chetty St., Madras-1.

5. In entering the competition you are bound by the rules and conditions of the same.

Apply to Power's Puzzle No. 1

Entry fees as. 4 per each entry

Runners up Rs. 50/-

Closing Date : 4 P.M., Saturday the 30th August, 1952.

The official solution and the prize list will be published in the September '52 issue of the Power's Supplement. (Madras Markets & Where to Buy)

POWER'S SUPPLEMENT

23

JULY-AUG. 1952

- GANZ METERS, BILL SWITCHES & P.V.C. CABLES, ETC.
Messrs. I. A. E. C. (M) Ltd.,
Dinroze Eatate,
2-17 G. Mount Road, Madras 2.

C.G.S. METERS
Havells' Electrical (Sales) Corporation.
43, Lingha Chetty Street, G. T. Madras 1.

JAPANESE CABLES & ACCESSORIES
Garlick & Co., Ltd ,
26, Errabalu Chetty Street, Madras 1.

PARAMITE CABLES
The Indian Cable Co., Ltd.,
National Bank of India Buildings,
North Beach Road, Madras 1.

CABLES, CROMPTON MOTORS, CEILING & TABLE FANS, OIL ENGINES
M/S. Elite Traders,
16, Broadway, Madras 1.

ELECTRICALS, M.E.M. & UNDER-GROUND CABLES ETC.,
T'Nagar Electricals,
Bunder Street,
Madras-1.
Winding Wire
Insulating Materials
& Rolling Store (elec. driven.)
M/s. Mani's Miscellany,
76, Ellis Road.
Madras-2.

ZENITH & FERGUSON RADIOS
Universal Agencies,
3-18, Mount Road, Madras 2

RADIOS & REFRIGERATORS ETC.
M/s. Mohamed Ebrahim & Co.,
Victory House,
Mount Road, Madras 2

ELECTRIC MOTORS & PUMPSETS ETC.
Madras Engineering Agencies Ltd.,
11, Linghi Chetty Street, Madras 1.
The Nellikuppam Industries Ltd.,
337, Thambu Chetty Street, Madras 1.
T. R. R. Swamy & Co. Ltd.,
337, Thambu Chetty Street, Madras, 1.

AUTOMATIC PUMPSETS (Goulds Aqua Flo & Hobby)
General Machine Tools Corpn.,
158, Broadway, Madras 1.

CHANDRA PUMPS
& Sugar Cane Crushers etc.
Messrs. The Chandra Foundries Ltd.,
55, Basin Bridge Road, Washermanpet,
Madras.

SRI PUMPS
Nellikuppam Industries Ltd.,
337, Thambu Chetty Street, Madras 1.

SHIVAJI PUMPS
The British & Eastern Engineering Co.,
16, General Patters Road, Madras 2.

JAYEMS PUMPS
Jayems Engineering Co.,
Lingha Chetty Street, Madras 1.

SIGMA PUMPS
William Jacks & Co., Ltd.,
First Line Beach, Madras 1.

"O.K." PUMPS & FLOUR MILLS
M/s. East Asiatic Co., (India) Ltd.,
First Line Beach, Madras 1.

KHOSLA PUMPS, Flour Mills etc.,
& Auto-Garage and Workshop Machines—
K. G. Khosla & Co.,
1, Original Road, NEW DELHI.
Resident Representative :—Mr. D. SESHADRI,
15, North Mada St.,
Mylapore, Madras 4

P. S. G. PUMPS
Gordon Woodroffe & Co , (Madras) Ltd.
North Beach Road, Madras 1.

D. P. F. PUMPS.
M/s Dhandayuthapani Foundry,
Pappanaickenpalayam,
Coimbatore.

RUSTON CENTRIFUGAL PUMPS
M/s Greaves Cotton & Co., Ltd.,
19, Second Line Beach Madras 1.

D.P.F. PUMPS, GOULDS PUMPS
Higgs Motor, Alternator, Generator, etc.
M/s. Batliboi & Coy.,
3/153, Broadway, Madras 2.
- Cood pumps mean better crops. Use Sri pumps available from
M/s. Nellikuppam Industries Ltd., Madras - 1.

- Fairbanks Morse automatic deepwell and shallow well pumps.
I. A. E. C. (Madras) Ltd., Dinroze Estate.
2/17-G, Mount Road, Madras 2
- PETTER OIL ENGINES**
Parry & Co., Ltd.,
Dare House, Madras 1.
Modern Electric Co.,
Lingha Chetty Street, Madras 1.
Shanker Trading Co.,
Lingha Chetty Street, Madras 1.
National Engineering Co.,
N.S.C. Bose Road, Madras 1.
- M. W. M. (German), LORENZ and SKODA (Czechoslovakia), YANMAR (Japanese) Engines Wolf Portable Tools, B. Elliot & Co's Machine Tools & Engineering Equipment, Rockwell Electrodes & Welding Plants etc.,
M/s Rallis India Ltd.,
320, Linghi Chetty St.,
G. T. Madras, 1.
- NATIONAL OIL ENGINES**
Best & Co., Ltd.,
First Line Beach, Madras 1.
- CROSSLEY OIL ENGINES, SPIRAX PRODUC-TS, HOWDEN JOHNSON BOILERS Etc.,**
M/s. Binny & Co., (Madras) Ltd.,
Armenian Street, Madras 1.
- DEVILLE OIL ENGINES**
M/s. Indo Lanka Traders,
38, Lingha Chetty Street, Madras 1.
- OIL ENGINES (General)**
Asiatic Agencies,
198, Govindappa Naick Street, Madras 1.
- COOPER OIL ENGINES**
Marshall Sons & Co., (India) Ltd.,
Second Line Beach, Madras 1.
- VENDEUVRE, ASAA OIL ENGINES & S.M.G. Flour Mills**
M/s. Standard Machinery Co., Ltd.
33, Lingha Chetty Street, Madras 1.
- LISTER & BLACKSTONE OIL ENGINES.**
M/s. Volkart Brothers,
Armenian Street, Madras 1.
- CONVENTRY VICTOR OIL ENGINE**
M/s. South Indian Export Coy. Ltd.,
4, Mc Lean Street,
Madras 1.
- OIL ENGINES (General)**
Bharat Overseas Trading Corporation,
30, Thambu Chetty Street, Madras 1.
M/s. K. R. Kothandaraman & Co.,
Hind Line Beach,
Madras-1.
- JENBACH DIESEL ENGINES**
M/s. Kamani Engineering Corp. (Ltd.),
2, Jones Street, Madras 1.
- OIL ENGINES**
M/s. The British & Eastern Engineering Co.,
16, General Patters Road,
Madras 2.
- DIESEL OIL ENGINES, PUMPS Etc.**
Addepally Ltd.,
23, Errabalu Chetty Street,
Madras 1.
- OIL ENGINES & DOMESTIC AUTOMATIC PUMPSETS**
G. Janshi & Co.,
163, Mount Road, Madras 2,
- NETCO OIL ENGINE**
M/s. National Engineering & Trading Coy.,
Post Bag No. 6220.
Bombay-10.
- BOSCH FUEL INJECTION EQUIPMENT**
for Industrial and Automotive Diesels
M/s. Auto & Diesels Co. Ltd.,
Rayala Building, Mount Road, Madras 2.
- FUEL INJECTION EQUIPMENT**
The Indian Engineering & Trading Co.,
31, Wallers Road, Madras 2.
- C. A. V. FUEL INJECTION EQUIPMENT**
for Industrial & Automotive Diesels
M/s. Lucas Indian Service Ltd.,
Patullos Road, Mount Road, Madras 2.
- TIGER DIESEL ENGINES (22, 10 & 6 H. P.)**
& Mercedes Benz Diesel Generating sets of Various Capacity
AND
DUETZ DIESEL ENGINES & ALTERNATORS, ELECTRIC MOTORS
The Hindustan Electric Coy. Ltd., P.B. No. 1703,
53-B, Second Line Beach, Madras 1.

Planning of Power for Industries is essential

Consult M/s. The Crompton Engineering Co., (Madras) Ltd, Madras - 1.

HARDWARE

- B. Chandrakant & Co.,
2/156, Broadway Madras 1.
- RED FIBRE SHEETS & RODS & FABRIC BASE LAMINATED SHEETS & RODS.**
M/s. Industrial Stores Trading Coy.,
11, Mclean Street,
Madras-1.
- DISINTEGRATORS "VIVEKANANDA" C & N TYPE**
Vivekananda Industrial Engineers
Post Box No 854.
Perambur, Madras 11.
- HARDWARE & TOOLS**
Pachmerhiwala & Co.,
312, Thambu Chetty Street, Madras 1.
- PULLEYS, W. I. & C. I.**
Malhotra Mill Store Co.,
33, Mukernallamuthu St., Madras 1.
- MARCONIPHONE RADIO RECEIVERS**
M/s. Simpson & Co., Ltd.,
Mount Road,
Madras-2.
- MILL STORES**
Popular Mill Stores,
20-B, Errabalu Chetty Street, Madras 1.
Madras Mill Stores,
Lingha Chetty Street, Madras 1.
- AUTO-GARAGE & WORKSHOP MACHINES**
Bharat Motors,
Khaleel Mansions, Madras 2.
- ATLAS BRAND RUBBER BELTINGS & HOSE PIPES**
Atlas Trading Company
1/28, Mooker Nallamuthu St., Madras 1.
- CENTRIFUGAL BLOWERS FOR SMITHY AND OTHER PURPOSES:**
Cast Iron body 3" outlet pulley driven (Rs. 200/-)
And M. S. Body 3" outlet pulley driven (Rs. 580/-) and other types.
M/s. National Engineering & Trading Co.,
Post Box No. 6220.
Bombay-10.
- REPAIRS-ELECTRICAL & MECHANICAL**
Durai Brothers,
1/11, Umpherson Street, Madras 1.
(Rewinding of Electric Motors
A Speciality.)
The Nellikuppam Industries Ltd,
Kudithangi Village,
Nellikuppam Post (S.A.Dt.)

FOUNDRY WORKS & ENGINEERS

Beehive Foundry Engineering Works,
95, Broadway, Madras.

REFRIGERATION, AIR CONDITIONING Etc. FRIGIDAIRE

- M/s. Richardson & Cruddas Ltd., Madras 1.
- HOTPOINT REFRIGERATION**
M/s. I.A.E.C. (Madras) Ltd., Dinroze Estate,
2/17, Mount Road, Madras 2.
- WORTHINGTON SIMPSON REFRIGERATOR**
M/s. Blue Star Engineering Coy.,
(Madras) Ltd.,
Second Line Beach, Madras 1.

KALINGA REFRIGERATOR

M/s. Beardsell & Coy., Ltd., W.A.
Second Line Beach, Madras 1.

CARRIERS REFRIGERATOR

M/s. Volkart Brothers,
Armenian Street, Madras 1.

COLD REFRIGERATOR

M/s. General Radio & Appliances Ltd.,
Mount Road, Madras 2.

ENGLISH ELECTRIC REFRIGERATOR

M/s. Refrigerators & Home Appliances Ltd.,
Mount Road, Madras 2.

SPARE PARTS

M/s. Ahmed A. Fazhelbhoy Ltd.,
Moore Street, Madras 1.

Advice-Installation-Service.

Best & Co., Ltd.,
(Mechanical Engineering Department).
Madras 1.

Pressed Steel Co. Ltd.—Refrigeration & Cold Storage

M/s. General Radio & Appliances Ltd.,
1-18, Mount Road,
Madras 2.

Philco and Sarnette Refrigerators

M/s. Mahomed Ebrahim & Co. Ltd.,
7/8, Mount Road,
Madras 2.

Refrigeration Plants

M/s. Parry & Co., Ltd.,
Madras 1.

Air-Conditioning

M/s. Addison & Co., Ltd.,
Mount Road,
Madras-2.

For M.E.M. Starters & Switches, Contact Madras Electricals Ltd., Madras - 3.

TRACTORS**OLIVER**

M/s. William Jacks Ltd.,
1st Line Beach, Madras 1.

FARMALL, McCORMIC, DEERING
(International Harvester & Co.,)

M/s. Volkart Brothers,
115-116, Armenian Street, Madras 1.

FERGUSON

M/s. Kamani Engineering Corporation Ltd.,
2, Jones Street, Madras 1.

JOHN DEERE, DAVID BROWN

M/s. Larsen & Toubro Ltd.,
120, Armenian Street, Madras 1.

MASSEY HARRIS & Continental Crawler Type
Tractors, Rotary Hoes, Howard wet Paddy
Cultivators

M/s. Rallis India Ltd.,
Linghi Chetty Street, Madras 1.

STEYR

M/s. Jayems Engineering Co.,
Lingha Chetty Street, Madras 1.

TURNER

M/s. East Asiatic Co., (India) Ltd.,
1st Line Beach, Madras 1.

HANOMAG

M/s. South India Corpn., (Madras), Ltd.,
(Tractor Department)
Armenian Street, Madras 1.

FIELD MARSHALL

Marshall Sons & Coy., (India) Ltd.,
2nd Line Beach, Madras 1,

LANZ

M/s. Hindustan Electric Coy., Ltd.,
Ballard Estate, Bombay.
Branch:—53-B, Second Line Beach,
Madras 1. P.B. No. 1703.

FORDSON MAJOR

M/s. Simpson & Co., Ltd.,
Mount Road,
Madras 2.

M. A. N. Tractors,

M/s. Gokal & Hoffmann Ltd.,
9, Waudby Road,
Fort-Bombay-1.

PAPER MERCHANTS

M/s. Advani & Co., Ltd.,
Loan Square, Madras.
M/s. M. Krishnamachari,
62, Badrian Street, Madras.

M/s. Beardsell & Co., Ltd., W.A.

Second Line Beach, Madras.

M/s. T. Chelvaranga Mudaliar & Sons.

Stringers Street, Madras.

M/s. General Papers Ltd.,

Madras 1.

M/s. McDowell & Co., Ltd.,

Second Line Beach, Madras.

M/s. C. Sanjeevi Chetty & Co.,

Bunder Street, Madras.

M/s. Wilson & Co.,

Royapuram, Madras.

M/s. South Indian Export Co., Ltd.

McLean Street, Madras.

DYES & CHEMICALS

M/s. Imperial Chemical Industries
(India) Ltd.,

Springhaven Road, Madras.

M/s. Shaw Wallace & Co.,

Thambu Chetty Street, Madras.

M/s. W. T. Suren & Co.,

Lingha Chetty Street, Madras.

M/s. Vernon & Co.,

Second Line Beach, Madras

M/s. Andhra Scientific Co., Ltd.,

Blacklers Road, Madras.

M/s. Parry & Co.,

"Dare House", Madras 1.

MOFUSSIL MARKETS**MOTORS, PUMPSETS Etc.**

M/s. R. M. H. Corporation,

No. 6, West Boulevard Road,

Teppakulam Post, Tiruchirapalli.

The Nellikuppam Industries Ltd.,

53, Kutchery Road,

Villupuram.

The Nellikuppam Industries Ltd.

Kudithangi Village,

Nellikuppam Post (S.A. Dt.).

RM. S. & Co., Limited,

Branch at No. 5, West Tower St.,

Mathurai.

FOREIGN MARKETS

Whitetrade Limited,

Denmark House,

70, Maidstone Road,

Rochester-Kent,

England.

for M.E.M. Goods, Oil Engines etc.

Visit Fomra House, Mint Street

for

Everything Electrical

XII. AUTOMOBILE PARTS

	Rs.	A.	P.		Rs.	A.	P.
Rear Hub Bolts & Nuts	13	2	0 doz.	Chev. front main leaf L	8	0	0 each
Front	10	8	0 "	Ford " L	8	0	0 "
Axle Bolts U.S.A. Chev	36	0	0 grs.	Inter " L	8	0	0 "
" " 37 "	36	0	0 "	G.M.C. " L	8	0	0 "
Front Centre Bolts 5"	7	0	0 "	Dodge front Main leaf L	10	0	0 "
" " 6"	9	0	0 "	" 2nd leaf L	10	0	0 "
Rear " 10"	18	0	0 "	G.M.C. " L	9	0	0 "
" " 12"	19	0	0 "	Inter " L	9	0	0 "
Valve repair Tools	10	8	0 "	Ford " L	9	0	0 "
Oil Cans	16	8	0 doz.	Chev. " L	9	0	0 "
Cross Wrenches	14	0	0 each	other leaves are charged 4 as			
D.E. Spanners set	13	8	0 set	less than the upper one.			
H.L. Outer King	12	8	0 each	Chev. U-Clamp front	15	0	0 doz.
H.L. Outer Ring Ford	12	8	0 "	Ford " "	33	0	0 "
U.S.A. for other trucks	12	8	0 "	Axilator Spring small	2	8	0 "
Head Lamp Glass Ring Ford	10	0	0 "	" " Medium	3	0	0 "
" " Chev.	10	0	0 "	" " Big	3	0	0 "
" U.S.A. for other trucks	10	0	0 "	Brake Shoes Springs	6	8	0 "
Starting Ratchet Ford	3	8	0 "	Clutch paddle "	4	8	0 "
Starting Ratchet for Dodge				Dynamo Springs	3	0	0 "
and other trucks	5	8	0 doz.	Tie Rod Spring	4	8	0 "
Radiators Caps.	9	0	0 "	Engine Mountings and Plates	47	0	0 "
" " Ford	9	0	0 "	Brake Valve Complete	8	0	0 "
" " Dodge	9	0	0 "	Universal Joint Ring	12	0	0 "
Petrol Tank caps for Chev. and				Rear Spring Bushes Chev.	18	0	0 "
" " Ford N.P.	15	0	0 "	Front " "	10	8	0 "
" " Black	14	0	0 "	Dynamo " "	10	8	0 "
Hose pipe clip assorted	10	8	0 "	King Pin " "	13	8	0 "
Cotter Pins Tins	10	0	0 "	Piston Pin " "	9	0	0 "
Lock washers Tins	9	0	0 "	Plugs Champion	36	0	0 "
Ford Rear Spring complete	115	0	0 each	" AC	27	0	0 "
" " Front	85	0	0 "	" Australian	15	0	0 "
" " Main Leaf	15	8	0 "	" Spanners local	10	8	0 "
Chev. rear spring Eng.	120	0	0 "	" " U.S.A.	18	0	0 "
" " Front USA	95	0	0 "	Head Lamp Holders	8	0	0 "
" " Rear main leaf GM	24	0	0 "	Tail " "	5	0	0 "
" " Front	25	0	0 "	Flag Rod for Radiator	5	0	0 each
" " Rear " leaf local	10	8	0 "	Choke wires local	12	0	0 doz.
Ford " "	10	8	0 "	" " U.S.A.	27	0	0 "
Int. " "	13	8	0 "				
G.M.C. " "	13	8	0 "				

For your field & farm use Chandra Pumps.

TRACTORS**OLIVER**

M/s. William Jacks Ltd.,
1st Line Beach, Madras 1.

FARMALL McCORMIC, DEERING
(International Harvester & Co.)

M/s. Volkart Brothers,
115-116, Armenian Street, Madras 1.

FERGUSON

M/s. Kamani Engineering Corporation Ltd.,
2, Jones Street, Madras 1.

JOHN DEERE, DAVID BROWN

M/s. Larsen & Toubro Ltd.,
120, Armenian Street, Madras 1.

MASSEY HARRIS & Continental Crawler Type Tractors, Rotary Hoes, Howard wet Paddy Cultivators

M/s. Rallis India Ltd.,
Linghi Chetty Street, Madras 1.

STEYR

M/s. Jayems Engineering Co.,
Lingha Chetty Street, Madras 1.

TURNER

M/s. East Asiatic Co., (India) Ltd.,
1st Line Beach, Madras 1.

HANOMAG

M/s. South India Corprn., (Madras), Ltd.,
(Tractor Department)
Armenian Street, Madras 1.

FIELD MARSHALL

Marshall Sons & Coy., (India) Ltd.,
2nd Line Beach, Madras 1,

LANZ

M/s. Hindustan Electric Coy., Ltd.,
Ballard Estate, Bombay.
Branch:—53-B, Second Line Beach,
Madras 1. P.B. No. 1703.

FORDSON MAJOR

M/s. Simpson & Co., Ltd.,
Mount Road,
Madras 2.

M. A. N. Tractors,

M/s. Gokal & Hoffmann Ltd.,
9, Waudby Road,
Fort-Bombay-1.

PAPER MERCHANTS

M/s. Advani & Co., Ltd.,
Loan Square, Madras.
M/s. M. Krishnamachari,
62, Badrian Street, Madras.

M/s. Beardsell & Co., Ltd., W.A.

Second Line Beach, Madras.

M/s. T. Chelvaranga Mudaliar & Sons.
Stringers Street, Madras.

M/s. General Papers Ltd.,
Madras 1.

M/s. McDowell & Co., Ltd.,
Second Line Beach, Madras.

M/s. C. Sanjeevi Chetty & Co.,
Bunder Street, Madras.

M/s. Wilson & Co.,
Royapuram, Madras.

M/s. South Indian Export Co., Ltd.
McLean Street, Madras.

DYES & CHEMICALS

M/s. Imperial Chemical Industries
(India) Ltd.,

Springhaven Road, Madras.

M/s. Shaw Wallace & Co.,
Thambu Chetty Street, Madras.

M/s. W. T. Suren & Co.,
Lingha Chetty Street, Madras.

M/s. Vernon & Co.,
Second Line Beach, Madras

M/s. Andhra Scientific Co., Ltd.,
Blackers Road, Madras.

M/s. Parry & Co.,
"Dare House", Madras 1.

MOFUSSIL MARKETS**MOTORS, PUMPSETS Etc.**

M/s. R. M. H. Corporation,
No. 6, West Boulevard Road,
Teppakulam Post, Tiruchirapalli.
The Nellikuppam Industries Ltd.,
53, Kutchery Road,
Villupuram.

The Nellikuppam Industries Ltd.
Kudithangi Village,
Nellikuppam Post (S.A. Dt.).

RM. S. & Co., Limited,
Branch at No. 5, West Tower St.,
Mathurai.

FOREIGN MARKETS

Whitetrade Limited,
Denmark House,
70, Maidstone Road,
Rochester-Kent,
England.

for M.E.M. Goods, Oil Engines etc.

Visit Fomra House, Mint Street
for
Everything Electrical

MADRAS MARKETS & WHERE TO BUY

1. Is regular in its publication every month.
2. Publishes current prices in electricals and mechanicals etc.
3. Contacts suppliers and buyers.
4. Maintains free service to regular subscribers
5. Offers assistance for business careers & trips

While the management takes great pains in publishing accurate prices gathered from reliable business firms and stockists of repute, it is no way responsible for the inaccuracies, if any, which may be caused due to fluctuations prevailing.

We invite your enquiries on all items not listed here. The management is at your service at all times.

ELECTRICALS**I. ACCESSORIES****SWITCHES**

	Rate.	Per doz
	Rs. A. P.	
Bakelite English, S. P. 5 amps	... 15 0 0	"
Bakelite Indian, S. P. 5 amps	... 8 0 0	"
Porcelain base English S. P. 5 amps	... 18 0 0	"

HOLDERS

Bakelite Pendant		
Eng.	... 8 0 0	"
" 1"	... 8 0 0	"
" 2"	... 12 0 0	"
Batten Holders	... 10 4 0	"

P.B. Holders Eng-lish.	... 16 0 0	"
" 1"	... 14 0 0	"
" 2"	... 16 0 0	"
Batten	... 16 8 0	"
Adaptor (Bak)	... 7 8 0	"

CEILING ROSE (2 Plate Bak)

English	... 8 0 0	"
Indian	... 5 0 0	"
Cutouts(English)	... 8 4 0	"

WALL PLUG

Bakelite 5 amps 2 pin complete (Eng.)	... 12 0 0	"
" 3 pin	... 27 0 0	"

SHADES & REFLECTORS

Enamel Iron Sha- des 8"	... 7 8 0	"
" 10"	... 12 8 0	"

Water Tight Fitt- ings complete Indian	... 6 4 0	Each.
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WIRES & CABLES

V.I.R.C.M.A. 1/18	... 24 10 0	Per Coil of 100 yds.
" 3/20	... 37 10 0	"
" 7/22	... 46 14 0	"
" 7/20	... 61 9 0	"
" 7/16	... 135 3 0	"
C.T.S. Single Core 1/18	... 37 0 0	"
" 3/20	... 52 7 0	"
" 7/20	... 83 0 0	"
" Twin Core 1/18	... 58 9 0	"
" 3/20	... 99 3 0	"
" 7/20	... 164 9 0	"
W.Proof Sgle.Core 1/18	...	"
" 3/20	... 58 4 0	"
" 7/20	... 92 3 0	"
" Twin Core 1/18	...	"
" 3/20	... 110 4 0	"
" 7/20	... 175 12 0	"

Independence Day Number of the POWER - August Issue
Price Rs. 2/- Apply to The Power, 296, Lingha Chetty St., Madras - 1.

FLEXIBLE WIRES

	14/36	23/36	
Cotton	39 0 0	40 0 0	"
Workshop Flex			
2 core	62 0 0	74 1 0	"
3 core	92 0 0	108 14 0	"

P.V.C. WIRES EQUAL TO V.I.R. (from I.A.E.C.)

250 v. Single Core P.V.C. insulated wires			
1/044	Cat No.	2120	18 0 0
3/049		2121	24 0 0
1/064		2122	27 0 0
3/036		2123	30 2 0

EQUAL TO C.T.S.

1/044	2120 S	34 11 0
3/029	2121 S	43 3 0
1/064	2122 S	48 0 0
3/036	2123 S	53 5 0

TWIN FLAT

		Rs.	A.	P.
1/044	2220 S	55	8	0
3/036	2223 S	101	8	0

250 V. Flex wires single core P.V.C. insulated

14/0076	2141	15 1 0
	2141 B	12 1 0
23/0079	2142	20 2 0
	2142 B	15 14 0

Other items on enquiry.

LAMPS (B.C. Clear 230/250 volts.)

	Rs.	A.	P.	per doz.
5 Watts	16	8	0	"
10 "	15	12	0	"
15 "	14	4	0	"
25 "	14	4	0	"
40 "	14	4	0	"
40 " gas filled	16	8	0	"
60 "	18	0	0	"
100 "	24	0	0	"
150 "	3	7	0	each
200 " "	5	7	0	"

II. METERS

HOUSE SERVICE

A.C. Single Phase 230/250 volts, 50 cycles			
2½ amps.	5 amps.	10 amps.	Each
Ganz	36 0 0	36 0 0	36 0 0
C.G.S.	38 8 0	38 8 0	38 8 0
Ferranti	43 8 0	43 8 0	43 8 0

GANZ, 3 PHASE, 3 WIRE METERS, A.C.

	Rs.	Each
10 amps	105	"
20 amps	120	"
30 amps	130	"
50 amps	155	"

GANZ, 3 PHASE, 4 WIRE METERS, A.C.

10 "	145	"
20 "	168	"
30 "	182	"
40 "	217	"
100 "	272	"

AMMETERS, VOLTMETERS (English)

Ammeters 4" dial			
0-10 amps	52	8	0
0-20 "	52	8	0
0-30 "	52	8	0
Voltsmeters 6" dial			
0-60 volts	75	0	0
0-120 "	80	0	0
0-160 "	85	0	0
0-230 "	90	0	0
for use on A.C. or D.C.			

III. MISCELLANEOUS

ZINC PIPES

11 m.m.	3	4	0	per length
16 m.m.	4	12	0	"
11 m.m. Elbows	1	8	0	per doz.
16 m.m. "	2	0	0	"

CONDUIT PIPES

Size.	5/8"	3/4"	1"	1¼"	1½"	2"	per 100 ft.
16 G. Rs.	29	31	42	58	70	90	
18 G. Rs.	25	25	36	49	57	86	

BRACKETS & SHADES:

Brackets :					
	4"	6"	9"	12"	
P. B.					
Brackets	Rs. 6/4/-	7/8/-	8/-/-	9/8/-	per doz.
O. C. „ „		8/-	8/8/-	10/-	„
Shades :					
	8"	9"	10"		
E. I.	Rs. 7/8/-	11/8/-	12/12/-		per doz.
Langham	6"	8"			
	Rs. 12/-	15/-			per doz.

D.C.C. WIRES

	16 S.W.G.	17 S.W.G.	18 S.W.G.	19 S.W.G.	per lb.
	4	4	3		
	4	9	3		"
	4	11	6		"
	4	14	6		"

INSULATING MATERIALS

Henley Black insulating tape ½"	6	4	0	per 100-yards
tape ¾"	9	5	0	"
Callenders ½"	1	9	0	25 yards-roll

TRANSFORMERS

English Victor V & E.				
6.8 volts	4	8	0	each

LINK CLIPS

Camel brand tinned joint clips 1¼" & 1½" & 1¾" & 2"	0	5	6	per box
---	---	---	---	---------

HARD DRAWN BARE COPPER WIRE

No. 4 S.W.G.	2	1	0	per lb.
" 6 "	2	1	0	"
" 8 "	2	1	0	"

FLOURSCENT TUBES & FITTINGS:

	20 w 2'	40 w 4'
Daylight Sylvania	Rs. 12 0 0	14 0 0
" Philips	" 12 0 0	12 0 0
Coloured Sylvania	" 16 0 0	16 0 0
" Atlas	" 13 0 0	13 0 0
Chromium Fancy		
Fitting	" 6 0 0	7 0 0
Wooden Patti.	" 0 12 0	1 0 0
Chokes U. S. A.	" 11 0 0	11 0 0
" Uphadyaya	" 5 4 0	5 4 0
Resistance Indian	" 4 8 0	per doz.

HEATING & COOKING APPLIANCES

230 V. Water Heater (Eng.) 700 W	12	0	0	"
Auto-Control Iron A.C/D.C.	27	0	0	"
Stove (Eng.) 1000 W.	25	0	0	"
Soldering Iron (Eng.) 65 W.	14	8	0	
125 W.	25	0	0	"

JOINT BOXES:

	5/8"	¾"	1"	1¼"
1 way	Rs. 18/-	19/8/-	22/8/-	doz.
2 way	" 19/8/-	20/-	25/8/-	54/-
3 way	" 23/-	22/8/-	30/-	66/-
4 way	" 27/-	27/-	30/-	80/-

IV. OTHER ITEMS

MERCURY VAPOUR LAMPS

Complete with Choke and Condenser.

	Rs.
80 Watts	150
125 Watts	175
250 Watts	225

CONVERTORS

Rotary convertors, compound wound fitting with heavy duty ball bearings, constant speed, Drip proof. 0.8, P.F. complete with starter (Eng.)

Size in K.V.A. D.C. in-put	A.C. out-put	50 cycles, single phase.	Rs.	A.	P.
1	220/110 volts	...	950	0	0
2	220/110 "	...	1,350	0	0
3	110/220 "	...	1,650	0	0
5	110/110 "	...	1,650	0	0

GENERATORS

D.C. 110 volts

3 KW 1400 R.P.M. Generator	Rs. 1,350
Regulator	Rs. 96.
5 KW 1400 R.P.M. Generator	Rs. 1,450
Regulator	Rs. 110.

A.C. Columbia 0.8 P.F. 3/50/440, star connected 4 wires (220/230 volts) between a phase and neutral wire, suitable for belt drive and direct coupling complete with exciter etc.

K.V.A.	K.W.	R.P.M.	Price
31.5	25	1000	Rs. 5,750
50	40	1000	" 6,750
62.5	50	"	" 7,250
75	60	"	" 8,250

Onam A.C. Generating set

Model W3M, 115 volts 50/60 cycles, (dial speed) Generating set, with 2 cylinder engine etc.	...	Rs. 1,750
---	-----	-----------

The Fuel Injection Equipment is the heart and soul of Diesel Engines

For your requirements apply to: M/s. The Indian Engineering & Trading Co., Madras - 2.

Tools mean efficiency for all modern factories & workshops

For electric portable tools apply to: M/s. Rallis India Ltd., Madras - 1.

ELECTRIC BLOWER

Wolf type NWB portable blower suitable for operation on single phase, A.C. 50 cycles and D.C. 230/250 volts complete with starting switch, 15 feet 3 core T. R. S. cable moulded hard rubber, nozzle 11" long capacity 60 cubic feet per minute ... Rs. 240

Also Wolf Electric Drills of various types and spares available from ready stock.

Other makes on application.

(M/s. Rallis India Ltd.)

ELECTRIC COFFEE GRINDERS & ROASTERS

Mocca (Swiss) No. 2 with 1/3 H.P. Motor A.C. 230/250 volts single phase, 50 cycles complete with container of 2 lb. interruptor with electric cable 1½ meter at output of 50 lb. per hour ... Rs. 850

Bharath (Indian) Coffee grinder No. 1 size capacities 30 to 40 lb. per hour suitable for 1 H.P. Rs. 250

FANS

Table Fans (fixed) A.C.

	Size	Rs.
Phoenix	14"	97
"	16"	102
Kassels	16"	125

Ceiling Fans A.C.

Complete with Regulator, rod etc.

	Size	Rs.
Crompton	60"	220
"	56"	200
"	48"	185
Lucky	60"	180
"	56"	168
"	48"	160
"	36"	130

Kassels and Anand and Azad on enquiry

Phoenix	60"	194
"	56"	179
"	48"	166
"	36"	136

I.E.W. Fans

Bharat A.C. Ceiling fans

Major	72"	212
Super Senior	60"	196
Senior	56"	180
Standard	48"	170
Junior	36"	144

Ranjit A.C. Ceiling fans

Super Senior	60"	180
Senior	56"	170
Standard	48"	160
Junior	36"	135

Tara A.C. Table Fans Rs.

Fixed	14"	115
Oscillating	14"	130
Fixed	16"	120
Oscillating	16"	135

For D.C. Fans, Cabin fans and Pedestal fans Etc. Prices on application.

Jaura A.C.

Ceiling Fans	36"	130
"	48"	155
"	56"	170

Chandan A.C.

Table Fans	14" OSC	140
	15" OSC	160

ORIENT FANS

Table Fans A.C. or D.C.

14" Oscillating	Rs. 126
14" Nonoscillating	Rs. 101
16" Oscillating	Rs. 131
16" Nonoscillating	Rs. 106

Ceiling Fans A.C. Capacitative Type

48"	Rs. 176
56"	Rs. 191
60"	Rs. 206

Ceiling Fans A.C. NonCap. Deluxe

36"	Rs. 135
48"	Rs. 168
56"	Rs. 181
60"	Rs. 191

Ceiling Fans A.C. Non Cap. Standard.

36"	Rs. 130
48"	Rs. 161
56"	Rs. 171
60"	Rs. 181

For combine, Pedestal, Exhaust fans prices on application.

G. E. C. FANS

A. C. Ceiling Fans Complete

	Rs.	A.	P.
"Madras" Senior 60"	206	4	0
Junior 48"	171	8	0
Minor 36"	145	0	0
"Malakand" ... 60"	222	12	0

A. C. Table Fans

Fixed	16"	124	12	0
Oscillating	16"	165	8	0

For D.C. & A.C. Exhaust Fans, prices on application.

POLAR FANS

A. C. Ceiling Fans

60" Sweep	Rs. 210
56" "	Rs. 180
48" "	Rs. 170
36" "	Rs. 140

Prices on application for D.C. Fans.

Exhaust Fans A.C. 230/250 volts, single phase.

Blade size	R.P.M.	Air Displacement	Consumption	Price Rs.
7½"	1200	250	25 watts	95
12"	1350	1350	80 "	210
15"	1200	1500	110 "	210
24"	700	5300	270 "	475

D.C. exhaust fans on application.

V. MOTORS & SWITCHES ETC.**ELECTRIC MOTORS**

Make-Crompton, Single phase, 230/250 volts, 50 cycles Capacitator type

H. P.	R. P. M.	Rs.
.5	1430	190
¾		225
1	1420	267/8

3 phase, 400/440 volts, 50 cycles

H. P.	R. P. M.	Rs.
3	1430	365
5	1480	487/8
7.5	1490	600
10	1440	665
10	940	840
15	1440	825

Make-L. S. E. 3 phase, 400/440 volts, 50 cycles

H. P.	R. P. M.	Rs.
3	2880	327
7.5 (Emcol)	960	800

Pulley and Rails extra.

N.E.I. Squirrel Cage Induction Motor Suitable for A. C. 3 phase 400/440 volts 50 cycles supply.

SCREEN PROTECTED TYPE MOTORS

H.P. R.P.M. 960 1440 2800

1	Rs. 285/-	Rs. 254/-	Rs. 284/-
1.5	Rs. 333/-	Rs. 275/-	Rs. 309/-
2	Rs. 360/-	Rs. 297/-	Rs. 329/-
3	Rs. 465/-	Rs. 347/-	Rs. 370/-
5	Rs. 600.	Rs. 475/-	Rs. 452/-
7.5	Rs. 700.	Rs. 575/-	...
10	Rs. 825/-	Rs. 645/-	...

Prices. Less 5% to consumers.

Less 7½% to dealers.

(M/s. Batliboi & Co.)

SWITCHES & STARTERS

	Rs.
M.E.M. D.P. 15 amps 250 volts 122 K.A. ,, 8	
M.E.M. T.P. 15 ,, 500 ,, 315 K.A. ,, 15	
M.E.M. T.P. 30 ,, 500 ,, 330 K.A. ,, 20	
M.E.M. T.P. 60 ,, 500 ,, 360 K.A. ,, 48	
M.E.M. 10 S. D. starter ,, 95	
M.E.M. 5 D. S. ,, 55	
M.E.M. 44A.D.S. ,, 27/8	
M.E.M. 24A.D.S. ,, 36	
M.E.M. 84A.D.S. ,, 40	

MEM Fuse Units

15 LUB 30 LUB 15 MUB 30 MUB 60 MUB 100 MUB
Rs. 15 Rs. 26 Rs. 23 Rs. 33 Rs. 75 Rs. 120 doz.

M. E. M. I. C. DISTRIBUTION BOARD.

No. 212 LP. 312 LP 412 LP 612 LP 812 LP 1012 LP 1212 LP.
Rs. 14/- 16/8/- 19/8/- 25/- 33/- 45/- 53/-
1544MP 1566MP 1588MP 3044MP 3066MP 3088MP
Rs. 68/- 85/- 100/- 90/- 130/- —each.

Other Items on enquiry

M.E.I. Direct on Line Starter upto 5 H.P. ...	68
M.E.I. Air Break Star Delta Starter upto 12.5 H.P. ...	136
M.E.I. Air Break Star Delta Starter upto 12 to 20 H.P. ...	153

(I. A. E. C.)

TIME SWITCH

Venner type MDISL time switch self-starting synchronous motor driven, single pole, A. C. 230/250 volts, 50 cycles, 15 amps capacity with arrangements to switch on and off automatically at predetermined timings Rs. 125 Other types on application.

Become a member of Madras Electric Trades Association

Apply for particulars to Secretary, 337, Thambu Chetty Street, Madras - 1.

VI. PUMPS & PUMPSETS

CHANDRA PUMPS

Size of F & L	Direct coupling	Pump with pulley	with base plate	single pulley
4"x4"	Rs. 280/-	Rs. 270/-	Rs. 230/-	
4"x3"	220	205	190	
3"x3"	210	200	180	
3"x2½"	200	185	170	
2½"x2"	190	180	165	
2"x2"	185	175	155	
1½"x1½"	150	130	—	
1½"x1¼"	140	120	—	
1"x1"	135	115	—	

"ZAMINDAR" Cane Crusher ... Rs. 1300
 "KISAN" Cane Crusher ... Rs. 900
 Ex-works-plus Sales-Tax. Prices subject to alteration without notice.

(M/s. Chandra Foundries Ltd., Madras-21.)

Ralli "DULUX" Pumps Belt Driven Type MK. 3

3" x 3" 245

4" x 4" 295

(M/s. Rallis India Ltd)

SRI PUMP for direct coupling.

Size	A impeller	B impeller
2" x 2"	Rs. 170	Rs. 180
2½" x 2½"	Rs. 190	Rs. 200
3" x 2½"	Rs. 195	Rs. 205
3" x 3"	Rs. 205	Rs. 215
4" x 3"	Rs. 210	Rs. 220
4" x 4"	Rs. 285	Rs. 305

— for belt drive with fast and loose pulleys

Size	Rs.
2" x 2"	190
2½" x 2½"	205
3" x 2½"	205
3" x 3"	215
4" x 3"	220
4" x 4"	290
5" x 4"	295

O. K. PUMPS

3" x 4"	Rs. 330	0	0
2½" x 3"	Rs. 275	0	0
2" x 2½"	Rs. 220	0	0

O. K. Flour Mills fitted with imported grinding stones and ball bearings.

16" size ... Rs. 580 0 0
 (M/s. East Asiatic Co., (India) Ltd.,
 First Line Beach, Madras.)

RUSTON PUMPS

CPM Fast Pulley foot valve & strainer

1½" x 2"	Rs. 290
2" x 2½"	370
2½" x 3"	437
3" x 4"	545

4" x 5" Fast and Loose pulleys, Belt striking Gear Footvalve and strainer. Rs. 770

5" x 6" " " " 1325

Delivered ex-Madras/Bombay Godown.

(M/s. Greaves Cotton & Co. Ltd.,
 Madras.1.)

DPF PUMPS

"MP" Type for Direct Coupling & Single Pulley—Speed 1450 RPM.

Pump Type	Size	Total Head	Direct Coupled	Single Pulley.
MP 1	2" x 2"	20 to 50	Rs. 170	Rs. 145
MP 2	2" x 2"	40 to 70	180	155
MP 1	2½" x 2"	20 to 60	170	145
MP 2	2½" x 2"	40 to 70	180	155
MP 3	2½" x 2"	50 to 85	190	165
MP 4	2½" x 2"	70 to 105	200	175
MP 1	2½" x 2½"	20 to 50	185	160
MP 2	2½" x 2½"	40 to 70	195	170
MP 1	3" x 2½"	20 to 50	185	160
MP 2	3" x 2½"	40 to 70	195	170
MP 3	3" x 2½"	60 to 90	205	175
MP 4	3" x 2½"	70 to 105	215	185
MP 1	3" x 3"	20 to 50	200	175
MP 2	3" x 3"	40 to 65	205	180
MP 3	3" x 3"	60 to 90	215	185
MP 1	4" x 3"	20 to 50	205	180
MP 2	4" x 3"	40 to 70	210	180
MP 1	4" x 4"	20 to 40	285	250
MP 2	4" x 4"	40 to 65	285	250

For prices of 5" x 4" and 6" x 5" and for higher heads prices on application.

D.P.F. 'BMP' Type Belt Driven Pumps with fast and loose pulleys.

Pump Type	Pump Size	Total Head in feet	Price Rs.
BMP 2	2" x 2"	20 to 70	190
BMP 2	2½" x 2"	20 to 130	190
BMP 2	2½" x 2½"	20 to 70	205
BMP 2	3" x 2½"	20 to 130	205
BMP 2	3" x 3"	20 to 110	215
BMP 2	4" x 3"	20 to 130	220
BMP 2	4" x 4"	20 to 110	290
BMP 2	5" x 4"	20 to 150	295
BMP 2	5" x 5"	20 to 130	370
BMP 2	6" x 5"	20 to 150	380

AUTOMATIC DEEP WELL PUMPSETS

Myers Self-oiling automatic water system 340 gallons per hour at a height of 100ft. with ¼ H.P. A.C. motor with 42 gallons pressure tank, automatic switch ... Rs. 1,175

Goulds American make C. I.

D. C. 3542 pump set comprising 42 gallons pressure tank with fittings, floating switch pressure gauge worked by means of V belt with ¼ H.P.A.C. single 220 volts, 50 cycles motor for automatic ... Rs. 850

Hobby-pump automatic water system with an out-put of 600 gallons per hour with ½ H.P., A.C./D.C., motor complete ... Rs. 550

Dempster Automatic Water system for shallow wells with ¼ H.P.A.C. motor and of pumping unit 1" x ¾" with 42 gallon tank complete out-put 350 gallons per hour ... Rs. 750

Lancaster Deep well water system with ¼ H.P. A. C. motor with 1½" x 1" pumping unit with pressure tank complete ... Rs. 950

MECHANICALS

VII. DIESEL OIL ENGINES

RUSTON (vertical)

Engine	Cylinder	H.P.	R.P.M.	Rs.
1 V.T.H.	1	5-7½	1000-1500	2,100
2 V.T.H.	2	10-15	1000-1500	2,650

PETTER (vertical)

A. V. 1	1	5	1,500	1,150
A. V. 2	2	10	1,500	1,850

NATIONAL (horizontal) H.P. R.P.M. Rs.

A.H. 1	1	5	1,500	1,650
J.B.	1	10	500	3,800
K.B.	1	12	500	4,250

H. M. G. (vertical)

IS 16	1	10-12	800-1000	2,550
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LISTER (vertical)

3-1	1	3½	650	2050
5-1	1	6	600	2650
10-2	2	12	650	3200

YANMAR (horizontal)

S-4	1	4	750	1,150
S-6	1	6	700	1,350
H-10	1	10	600	2,100

ROBEY (Single Cylinder Horizontal)

Diesel Engine Type

HSO/16	23 H.P.	Rs. 8,850/-
" Type HSO/16A	26 H.P.	Rs. 10,800/-
" Type HSO/17	40 H.P.	Rs. 15,900/-
" Type HSO/20	50 H.P.	Rs. 18,900/-

All F.O.R. Madras—Subject to price confirmation.

LORENZ (horizontal)

Cylinder	H.P.	R.P.M.	Rs.
E.B.N. 1	7	1,300	2,000

less 10% to customers

Skoda " 15% to dealers

I.S.—110 1 10-15 1,500 2,875
 Ready stocks of Skoda 20/30, 40/60 and other H.P. with M/s. Rallis India Ltd., Madras

COOPER OIL ENGINES

Cooper, (horizontal)	H. P.	R.P.M.	Price
1. R.C.A.	5/6	700	Rs. 2,150
2. R.C.B.	8/9	550	3,463
3. R.C.C.	10/11	500	3,895
4. R.C.D.	13/14	450	4,390
5. R.C.E.	16/18	400	4,975
6. R.C.F.	18/20	375	5,185
7. R.C.G.	25/27	360	8,400
8. R.C.H.	28/31	340	9,465

SHANKS (vertical) Cylr. H.P. R.P.M. Rs.

1	8	1,200	1,900
B-F Sanders (21)	1	6-8 1000-1200	1,900

(all cold start engines).

For anything in Electrical & Mechanical
 Ask M/s. Modi & Modi, Madras - 1.

SLAVIA OIL ENGINES

5 H.P. ...	Rs. 1750
8 H.P. ...	Rs. 2250
10 H.P. ...	Rs. 2650
15 H.P. ...	Rs. 3300

DAIHATSU DIESEL OIL ENGINES

Horizontal Model

Type No. OH-5, 9 H.P.
700 R. P. M. Rs. 2,800/

Less 5% to customers

Less 5% and 5% to Dealers.

Type No. OK-9 5/6 H.P.
1000/1200 R.P.M. Rs. 1800/

Less 10% to customers

Less 10% and 5% to dealers:

(Messrs. Batliboi & Co.)

NETCO OIL ENGINE:

Netco Oil Engine 5 H. P. Single Cylinder-
vertical 900 R.P.M.....Rs. 1,500/
f. o. r. Bombay.

JENBACH DIESEL ENGINES

H.P.	R.P.M.	Rs.	
8	1500	2,100	ex-godown Madras
10	800	2,620	F.O.R. Bombay
15	1500	2,620	"
20	1500	3,060	"

Diesel Driven Centrifugal pump

H.P.	R.P.M.	Rs.
15	1500	3,200

(M/s. Kamani Engineering Corporation Ltd.)

OIL ENGINES.
Vertical

HP R.P.M. PRICE
Rs.

"Russel Newbery"	7/10	800/1200	3135/-
do	10/12	1200/1500	3355/-
"Claeys"	9.5	600	3345/-
do	12/14	650/750	3650/-
"Steyr"	7/9	850/1050	2685/-

Horizontal

"Imperial- Keighely"	15/16	490	5756/-
do	23/25	400	7500/-
do	26/28	430	7750/-
"Campbell"	15/16½	450	5750/-

All Single Cylinder—

(M/s. Jayems Engineering Company,
Madras).

C. A. V. FUEL INJECTION:

Engine Type	BHP/	Fuel Nozzle	Nozzle
	CYL	pump	Holder
	RPM		
Armstrong	6@1000	BPF1A	BKB80 BDL130
Siddeley		65AS6062	S550 S6003
Blackstone	5@1000	BPF1A	BKB50 Bdlos
		60A00	S24 103
	12@850	BPF1B	BKB50 Bdlos
		80B00	S24 421
	10@550	BPF1Z	BKB35 BDN
		100A00	S24 482
Davey	24@1250	BPE5B	BKB80 BDN
Paxman		100Q	SD51 12SD12
(Rail Tractor)			
Field Mar-	25@750	BPF1B	BKB35 BDN8
shall Tractor		80B00	S24 S1
(Series I)			
do	38.40@750	BPF1B	BKB35 BDN
(Series II)		100B	S24 15S3
Hindustan		BPF1B	BKB50 BDN
(Cooper)		70/03	1S24 3053
Lister	3.5@650	BPF1B	BKB50 BDL
		30S46	S507B 60B00
	8@1200	BPF1B	BKB50 BDL
		70B00	S507B 30S46
Mirrlees	10.5@500	BPF1C	BKB BDL145
		160A00	250 T578
			T45B
Petters	6@900	BPF1B	BKB50 BDL
Atomic		50B03	S19B 80S508
	10@800	BPF1B	BKB50 BDL
		65B03	S24 80S508
Pelapone	7.5@160	BPF1B	BKB BDN8
		65B03	50S1 S1
Ruston	7.5@1000	BPF1B	BKB80 BDL
		100BS	S531 160S
		570	519
Ruston		BPF1B	BKB80 BDL
Vertical		90S570	S70 160S
			519
Turner	4@1500	BPF1A	BKB35 BDL
		60A00	S87 90S554

Apply to M/s Lucas Indian Service Ltd.

VIII. HARDWARE

M. S. Hex Hd. Bolts with Nuts, Foreign G.K.W.
& Tata Make,

Sizes	1"	1½"	2"	2½"	3"	4"	
1/4"	Rs. 160	135	124	108	118	114	108 per cwt
5/16"	128	128	108	94	94	89	99
3/8"	88	84	86	72	71	71	70
1/2"	75	75	72	68	65	64	61
3/4"	65	64	59	57	56	52	
7/8"	62	—	56	54	54	49	
1"	—	—	57	55	55	50	
1 1/8"	—	—	53	53	52	50	

RIVETS:

Roundhead.

Size	1"	1½"	2"	2½"	3"	4"	
3/8"	Rs. 50	50	50	53	48	47	46 per cwt.
1/2"	44	42	42	41	41	42	42
5/8"	45	44	42	40	40	39	39
3/4"	—	—	40	40	40	38	38
7/8"	—	—	40	39	38	38	
1"	—	—	43	43	42	40	

(Other items on enquiry)

PANEL PINS:

	Rs.	1/2"x20	18	17	per cwt.
German		80	59	59	
Belgium		85	66	—	
		3/4"x17	1"x17 G		
German		60	58	8	0
Belgium		65	62		
Indian		51	51		

SCREWS:

Iron wood screws bright.

(Belgium, Nettlefolds, Sweden or foreign)

No.	3	4	5	6	7	8	9	10	12	per gross
1/2"	0-11	0-13	0-15	1-1						
3/4"	0-13	1-1	1-1	1-5	1-3					
1"				1-5	1-6	1-6	1-7	1-8		
1 1/4"					1-11	1-13	1-13	1-14		
1 1/2"					2-0	2-2	2-3	2-4		
2"						2-8		3-4	3-4	
2 1/2"						4-0		4-4	4-4	
3"								4-8	4-8	

Coach Screws

	1	1 1/2	2	2 1/2	3	4	5	6
1/4"	10	10	10	12	12	15	—	—
5/16"	—	10 1/2	11	12	12	15	20	—
3/8"	—	14	15	16	17	20	25	28

per gross

FILES:

Nicholson Files	4"	5"	6"	7"	8"
Taper Heavy	Rs. 9	10	14	18	20 doz.
Taper Slim	Rs. 9	9	10	—	—

(Other makes on application)

STEEL BUTT HINGES

No. 73.	1 1/2"	2"	2 1/2"	3"	4"	Size
Sweden	Rs. 1-10	1-12	2-12	3-12	6-10	D pair
Australia	1-10	2-10	3-8	6-4	D	
Indian	1-1	1-6	1-12	2-6	5-0	D

ABRASIVES

Flint (Sand Paper) Grade No.	price per ream of 480 Sheets.
410	Rs. 27-12
310	
210	
110	
1/2	
1	34-0
1 1/2	
2	40-0
2 1/2	
3	
3 1/2	45-0
4/0	
3/0	41-0
2/0	
1/0	46-12
1/2	
1	51-4
1 1/2	
2	61-4
2 1/2	
3	65-12
4/0	
3/0	
2/0	92-8
1/0	
1/2	97-8
1	
1 1/2	
2	104-8
2 1/2	
3	111-8

[Ajax make-Packing Forwarding are extra]

ENGINEERING TOOLS ETC

Measuring Taps Steel	25	50	100
English	Rs. 35	45	65
Japan	" 21	32	45
Pliers	" 6"	7"	8"
English	" 30	38	48 doz.
German	" 30	40	40
Firmer Chisels (Fish Brand)			
1"	3"	1"	
Rs. 27	24	27	24 doz.
1 1/4"	1 1/2"	1 3/4"	2"
Rs. 38	40	62	75

SPIRIT LEVELS

Rs.	6"	8"	10"	12"
Nail Puller	54	32	40	60 doz.
"	Japan	Rs. 6-8-0	each	
Hammers.	1 lb.	" 24-0-0	doz.	
	3 lb.	" 66-0-0	"	

Screw Drivers.
4" 5" 6" 8" Rs. 2-8-0 per inch doz.

Box Spanners (Moore & Waright)				
1/8"X3/16"	3/16"X1/4"	1/2"X5/16"		
Rs. 3/-	4	4	each	
5/16"X3/8"	3/8"X1/2"	1/2"X5/8"		
Rs. 4-8-0	5	6	"	
5/8"X1"	3/4"X7/8"	7/8"X1"		
7	8	9	"	

(Other items on enquiry.)

M. S. Shaftings (foreign)

Size	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"
Rs.	55	55	55	58	58	58	42	42	42
	1 3/4"	2"	2 1/4"	2 1/2"	3"	4"			
Rs.	43	50	48	48	48	58.	per cwt.		

G. I. PIPES (in 8 ft-12 ft lengths)-Indian.

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	per
0 10	0 12	6	1 0	1 8	1 10	3 ft.
2"	2 1/2"	3"				
2 6	0 3	14	0 4	2 0		

GALVANISED W. I. PIPE FITTING

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	3"
Rs.A.	Rs.A.	Rs.A.	Rs.A.	Rs.A.	Rs.A.	Rs.A.	Rs.A.
Bends	7 12	8 8	11 8	31 8	33	90	doz.
Sockets	3 0	4 2	5 8	7 4	12	20	"
Elbows	6 0	8 0	9 8	20	28	72	"
Couplings	4 0	5 0	7 0	9 0	13	18	"
Tees	8 0	9 0	10 0	20	29	72	"
Flanges	12 0	15 0	16 8	25 8	28	84	"
Union	20 0	27 0	33 0	60 0	84	180	"
Nipple	1 12	2 0	2 8	5 4	5 8	11	"

(Other items on enquiry.)

BELTING

Rubber belting roundedge.							
Size	1"X3 ply	2"X3 ply	2"X4 ply				
Foreign	1 0 0	1 12 0	1 15 6	per foot.			
Indian	—	—	1 2 0	"			
3"X4ply	4"X4ply	5"X5ply	6"X6ply				
Foreign	2 14	3 14	7 6	11 0	per ft.		
Indian	1 12	2 6	4 0	—	"		
Cotton Belting (Indian)							
1"	1 1/2"	2"	2 1/2"	3"	4"		
Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.		
0 11	0 12	0 13	1 2	1 4	1 12	per ft.	
6"	8"						
2 12	4 12					per foot.	

Leather belting (Foreign)							
1"	1 1/2"	2"	2 1/2"	3"	4"	6"	
Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
0 10	0 14	1 4	1 10	2 0	2 14	5 8	

HAIR BELTING

1 1/2"	2"	3"	4"	6"	8"	per ft.
Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
English	2 6	2 7	3 12	5 0	8 8	13 0
Indian	1 8	1 8	2 12	2 4	8 8	4

HOSES

Suction	Ply	Price
2"	3	3 12
2 1/2"	3	4 8
3"	3	4 12
Delivery (Armoured)		
2"	3	2 12
3"	3	3 8

FILTER POINTS

Size	Indian	American
1 1/4"	20 0	45 0
1 1/2"	32 0	52 0

PULLEYS

Dia (inch)	4"	5"	Phase	6"	7"
8	1" 1 1/4"	1 1/2"	bore at	As 12	per inch
10	2"	"	"	14	"
12					
16					

FOOTVALVES

Size	Price
2"	Rs. 12
2 1/2"	" 16
3"	" 17
4"	" 25

FLOUR MILLS

Size	R.P.M.	H.P.	Out	Price
Make	(required)	put	Rs.	
Indian	10" 600	3-4	200 lbs.	270
"	12" 550	4-5	300 lbs.	355
"	14" 550	5-6	400 lbs.	450

RICE HULLER

Size	R.P.M.	H.P.	Out	Price
Make	(required)	put	Rs.	
Indian	No. 1 750	20-22	50 bags	450
"	No. 7 850	12-15	30 bags	400

DISINTEGRATOR

Size No.	R.P.M.	H.P.	Price
		(required)	Rs
0	5000	4-8	850
1 1/4	3300	8-16	1,600
2 1/2	2500	12-25	2,700

(Other items on enquiry)

EXPANDED METAL & WIRE NETTINGS

Expanded Metal (Indian)				
1"X1/8"X16g	3/4"X1/8"X16g	1"X1/8"X11g		
0 6 6	0 7 6	0 6		
3/8"X3/22X18g	3"X1/8"X11g			
0 10 6	0 4 9			
Galvanised Wire Netting Square Mesh (Indian)				
(Roll of 100 ft—50 ft long and width up to 4 ft.)				
14	16	18	20	22 24 26 28 30 G

As. As. As. As. As. As. As. As.

2 Mesh	10	7	4				
4 Mesh		11	5	3			
6 Mesh			12	7	4		
8 Mesh			10	6	4	4	
10 Mesh				8	6	4	3
12 Mesh					7	5	3 3
18 Mesh						9	5 4

Galvanised Hexagonal wire netting (Foreign)							
3 ftx50yds. 1/2"x20 1/2"x22G 1/2"x19 1/2"x20 1"x20G							
Rs.	110	62	60	61	45	per	roll.

(Other items on enquiry.)

BALL & THRUST BEARINGS

Prices on application.

MACHINE TOOLS

Lathes				
Gap-bed lathes (English) 3 1/2"				
centre 18" between centre, belt				
drive with countershaft and standard accessories.....Rs.	950			
2 ft Craftsman V-Bed American				
Screw Cutting lathe with Dog				
Chuck and Standard accessories.....Rs.	600			
Popular lathe 4 1/2 ft (Indian)				
S. S. & S. C. 6" centre, 4 1/2 ft gap				
bed, hollow spindle 1" complete				
with 22 change wheels, counter-				
shaft, centres and chuck plate.....Rs.	1550			

DRILLING MACHINE

Indian Make Power driven drill machine				
(belt drive) pillar type, single geared hand				
feed.				
Capacity	1"	3/4"	1"	1 1/4"
Price	Rs. 190	350	550	1150 1400
Note—1 1/4" and 1 1/2" drills are double geared				
with 3 belt automatic feed.				

BRADFORD American Metalmaster Drill.
(A. C. D. C. 220 volts)

each heavy duty.....Rs.	140			
do. StandardRs.	160			
do. heavy dutyRs.	250			
Shapers				
24" geared type single				
pulley drive.....Rs.	2500			
7" American type moto-				
rised bench type (Indian).....Rs.	1200			
(Other items on enquiry)				

XI. MINERALS

	Rs.	A.	P.	cwt.
Antimony Sulphide	40	0	0	"
Asbestos Hard setting Comp	10	0	0	"
Asbestos Magnesite 85%	28	0	0	"
Asbestos Fluff	20	0	0	"
Asbestos Fibre	20	0	0	"
Barytes Powders No. 1	11	0	0	"
Barytes Powders No. 2	5	8	0	"
Bauxite	6	0	0	"
Bentonite	6	0	0	"
Black Oxide	12	0	0	"
Black Manganese	25	0	0	"
Brown	10	0	0	"
Burnt Sienna	8	0	0	"

Advertising in 'POWER' & 'Madras Markets' means
Attracting the attention of 500,000 readers.

Phoenix Fans are lovely in design & performance
Get your fans from RM. S. & Co. Ltd., Madras

Calcium Carbonate	70	0	0	„	X. DYES and CHEMICALS.			
Carbon Black	14	0	0	lb.	DIRECT DYES			
China Clay Powder	150	0	0	ton	Chrysophenine G. Extra BJI Type (German)			
Chocolate	8	0	0	cwt	250% 10 0 0 lb.			
Coal Powder	7	0	0	„	Direct Green B. Conc			
Emery	95	0	0	„	(German) 4 8 0 „			
Felspar	10	0	0	„	Congo H. Dark 2 0 0 „			
Fire Clay Black	70	0	0	„	Congo Red 12B 3 0 0 „			
Fire Clay White	60	0	0	„	Congo FB. Light „ 3 0 0 „			
Fire Cement	8	0	0	„	Direct Deep Black E Extra			
Fire Bricks	39	0	0	per 100	H/Conc. (German) 5 6 0 „			
Face Powder	10	0	0	cwt.	Cotton Black E Extra			
French Chalk No. 1	12	0	0	„	H/Conc. CKM „ 5 2 0 „			
„ No. 2	7	0	0	„	Diazo Black Extra H Conc.			
Glass Powder	10	0	0	„	CKM 4 8 0 „			
Graphite No. 1	40	0	0	„	Direct Orange S. Conc. 300% 9 0 0 „			
Green Earth	10	0	0	„	Direct (Pink) CKM 10 0 0 „			
Gum Powder	140	0	0	„	Red 12B 300% CKM 12 0 0 „			
Ivory Black	28	0	0	„	Diamine Bordeaux BOO			
Kaoline	11	0	0	„	(German) 6 8 0 „			
Kiesulghur	10	0	0	„	Blue 2B Highly Conc. (German) 4 8 0 „			
Lamp Black	60	0	0	cwt.	Sky Blue 300% CKM 8 0 0 „			
Magnesium Oxide	16	0	0	„	Turquoise Blue 100% GL Conc.			
Magnesium Carbonate	11	0	0	„	(German) 10 0 0 „			
Manganese Di Oxide	8	0	0	„	Benzopurpurine 5B Conc.			
Mica Cement	6	0	0	„	(German) 4 8 0 „			
Mineral White	6	0	0	„	BASIC DYES			
Moulding Sand	30	8	0	ton	Auramine O Extra Conc. 160%			
Plaster of Paris	24	0	0	cwt.	(German) 6 8 0 „			
Plumbago	33	0	0	„	Rhodamine B. 500% CKM in 56			
Pumice Stone	9	0	0	„	lb. pkg. 15 0 0 „			
Raw Sienna	8	0	0	„	„ „ (L-B.Holiday)			
Red Manganese	10	0	0	„	in 56 lb. pkg. 15 8 0 „			
Red Oxide	10	0	0	„	Victoria Blue 2B Conc. 10 0 0 „			
Red Ochre	10	4	0	„	Methyl Violet 2B Conc Xls.			
Silica	60	0	0	ton	100% Pure CKM 6 0 0 „			
Talcum Powder	12	0	0	cwt.	Malachite Green Xls. 3-4 Extra			
Tripoli Powder	30	0	0	„	Conc 25/SE (German) in			
Vegetable Tallow	70	0	0	„	56 lbs. pkg 7 0 0 „			
Whiting Powder	4	0	0	„	Malachite Green Xls 1-4 Extra			
Yellow Ochre	10	4	0	„	Conc. 25/SE (German) in			
(Other items on enquiry)					5lbs. packing 7 4 0 „			
					„ „ in 56 lbs pkg. 7 0 0 „			
					Methylene Blue 2B Conc. 8 0 0 „			
					Magenta Lumps C.K.M. (German) 5 0 0 „			
					Magenta Hollow Large Xls. 7 8 0 „			
					Magenta Pdr. 200%			
					(German) 6 0 0 „			

A vital crop in this vast land is Sugar Cane

For Sugar Cane Crushers ask M/s. Chandra Foundries Ltd., Madras - 21.

ACID DYES

Naphthaline Yellow S 120%	4	4	0	lb.
Metalin Yellow Conc. (Holland)				
„ „ in 56 lb. pkg.	3	10	0	„
„ „ German in 56 „	4	0	0	„
Acid Orange II Conc. (German)	Ra.	2/8	„	
„ „ (English CKM)	2/0	„		
Croceine Scarlet MOO CKM	5/0	„		
Victoria Scarlet 3R (German)	4/-	„		
Fast Red A Conc. (Brotherton)	3/8	„		
Patent Blue V. Conc. (German)	8/4	„		
Acid Black AE 300% CKM (English)	4/8	„		

NAPHTHOLS CKM

Naphthol AS (German)	6/0	„		
„ AS-BS „	10/0	„		
„ AS-G „	14/0	„		
„ AS-BO „	12/-	„		
„ AS-SW „	12/-	„		

SALTS CKM

Fast Scarlet R Salt H/Conc. (German)				
& Rohner	4/-	„		
Fast Scarlet R. Salt	3/4	„		
Fast Black K. Salt	6/8	„		
Fast Blue B. Salt	4/0	„		
Fast Blue BB Salt	8/0	„		
Fast Red B. Salt	4/0	„		
Fast Bordeaux GP Salt	4/0	„		

BASES CKM

Fast Orange GC Base	5/-	„		
„ Yellow GC Base	5/-	„		
„ Scarlet RC Base	8/0	„		
Red B. Base (C.K.M.)	11/8	„		
„ „ (German)	12/-	„		
„ Carnet GBC Base	5/8	„		
„ Corinth B- Base (Rohner)	8/4	„		
„ Scarlet R. Base	9/4	„		
„ Red RC Base	8/4	„		
„ Red GL Base	8/-	„		
„ Blue B. Base	12/-	„		
„ Bordeaux GP Base	10/0	„		

RAPID DYES

Rapid Fast Red	1 lb. pkg	15/0	„	
RH Pdr,				
„ „ „ „ 56 „		14/0	„	
„ Fast Blue BN 1 „		13/-	„	
„ „ „ „ 56 „		12/8	„	
„ Fast Yellow GG H. 1 „		12/4	„	
„ „ „ „ 56 „		11/8	„	
„ Fast Orange GH 1 „		12/8	„	
„ „ „ „ 56 „		12/0	„	

INDIGOSOL DYES

	1 lb. pkg.	5 lb pkg.	56 lb. pkg.
Indigosol			
Blue 04B 20/8	20/0	15/-	
„ BlueIBC 53/-	52/-	50/-	
„ Yellow IGOK	62/-	58/-	53/-
„ Green IB 55-	54/-	50/-	
„ Violet	IRR 50/-	44/-	40/-
„ Orange HR 45/-	42/-	-/-	
„ Brown	IBR 46/-	46/-	-/-
„ Black IB 46/-	43/-	-/-	

VAT DYES

	F. S. K. Arnold.
Indanthene Green 3200	90/-
„ „ FFB 14 lbs. pkg.	110/- lbs.
„ Pink R. 56	30/- „
„ Olive R. 56	28/- „
„ Brown G. 56	45/- „
„ Brown GG 56	45/- „
„ Blue RSN (German)	32/- „
„ Violet 4R in 56 lbs. pkg.	43/- „
„ Violet 2R in 56 lbs pkg.	45/- „
„ Black BB	30/- „
„ Dark Blue BO in 56 lbs. pkg.	31/- „
„ Magenta B in 56 lbs pkg.	32/- „

GENERAL CHEMICALS

Hydrosulphite (German) 112 pkg.	1/6 „
„ (French) 112 „	1/4 „
„ (American) 250 „	1/4 „
Rangolite C, Xls. (German)	1/- „
„ (Rohner)	-/15/- „
„ (French)	1/0 „

SULPHUR DYES

Sulphur Black BX (Japan)	1/10 „
„ Black HK Grains (Dupont)	2/0 „
„ Black 692 (Nacco)	2/2 „
„ Black CBO (German)	1/2 „
„ Black BWLE (Czecho)	1/0 „
„ Black BX Grains (American)	2/2 „
Acid acetic glacial 98%	-/15/- lb.
„ „ 40 lbs. carboys	1/- „
„ Boric powder 1 cwt.	40/- cwt.
„ „ 1 lbs. 2 cwt.	140/- „
„ Carboic Crystal 98/100%	1/12 lb.
„ „ Liquid 45 gals.	7/- Gal.
„ Formic 85% 130 lbs.	1/4 lb.

Hydrochloric 1x2x28 lbs.	31/- case	Cream of Tartar B. P. Eng	1/5 lb.
Lactic 85%	2/- lb	Calci Carbonate	30/- cwt.
Nitric 84% 1x2x28 lbs.	56/- case	Carbonate Magnesium light	65/- cwt.
Oxalic ccm. Holland	100/- cwt.	Carbonate Magnesium Heavy	40/- "
Stearic 130 T.P. 140 lbs.	1/4 lb.	Creosote oil Eng.	4/4 gln.
" 127 D. P. ;	1/8 "	Copper Sulphate English	80/- cwt.
Citric Crystal 2 cwt.	195/- cwt.	Carbon-tetra Chloride 500 lb.	-/12/- lb.
Granular	195/- "	Formaldehyde English	-/6/- "
Tartaric Powder I cwt.	200/- "	Formasol	1/14/ "
" Crystal	210/- "	Fuller Earth Refined Anti	37/- cwt.
Tannic No. 400	1/4 lb.	Ferro-Sulphate	11/- "
Salicylic B. P. quality 150	2/6- lb.	Glycerine 1260% Big	190/- "
Phosphoric 1-50	2/4 "	" ICI 56 lb.	190/- "
Acetate of Lead white	5/6 cwt.	" Tata	190/- "
" brown	145/- cwt.	Glue	120/- "
Ammonia liquor 910 S. G.	120/- "	Glue Slub Country	120/- "
44 lbs.	-/14 lb.	Gum-Arabic Suddan clean	102/- "
Carbonate lump 1 cwt.	70/- cwt.	Gum Tragacanth Crystal	3/6 lb.
" tins	1/- "	Glucose Liquid American	52/- cwt.
Bicarbonate powder	38/- "	Hydrogen Peroxide 130%	1/6 lb.
" tins	1/- "	Litunium Oxide White	3/4 lb.
Chloride Eng. 2 cwt.	35/- "	Lithophone 30 Eng.	60/- cwt.
Alum Lump 2 cwt. bag	23/- cwt.	Lactic Casein Refined	1/7 "
Chrome (B.P.) am	115/- cwt.	Lead Nitrate Powder	1/10 lb.
Alum Sulphate 17/18% Eng.	18/- 2 cwt.	Lemon Chrome No. 1	1/8 lb.
Antimony Salt Powder 1 cwt.	2/- lb	" " 2	1/6 "
Aniline Salt English 1 cwt.	1/- "	Litharge Powder	135/- Cwt.
Arsenic white powder	52/- cwt.	Menthol crystal Brazil	50/- "
Bleaching powder Eng. ICI cwt.	25/- cwt.	" " Shanghai	50/- "
Borax granular 112 lbs.	20/- "	Menthol Natular U.S.P. pow.	50/- "
" Crystal large	30/- "	Mercury Stalicalg	350/- flask
" Powder	25/- "	Napthaline Ball	85/- cwt.
Barium Sulphate	10/- "	Oil Turkey Red 50%	55/- "
" Sulphide Eng.	55/- "	" " 35%	1/- "
" Chloride	50/- "	Pine Oil American	1/4 lb.
" Carbonate	60/- "	Potash Bromide	3/4 "
Barium Nitrite Am.	-/8/- lb.	" Carbonate Ame.	80/- cwt.
Ferric Chloride Eng.	65/- cwt.	" Caustic Lump	80/- "
Aluminium Pyro Powder 170	4/- cwt.	" Stick	3/- lb.
Wax Paraffin 135/40 M. P.	-/10/0 lb.	" Clorate	1/0 "
Soda Hyposulphite Eng.	40/- cwt	" Bichromate	140/- cwt.
Soda Hyposulphite country	40/- "	" Nitrate Powder	90/- "
Calci Carbonate Light Eng.	30/- "	" Permagnate XSL.	180/- "
Calcium Carbide 50 mm.	55/- "	Potassium Nitrate	55/- "
China Clay No 1	8/- "	" Big Crystal	60/- "
China Clay No. 2	7/- "	Rosin Chinese W.W.	50/- "
		Red Lead Powder	110/- "

M. A. N. designs & builds complete Thermal Power Stations
Enquire M/s. Escorts (Agents) Ltd.

Sago-flour white	45/- "	MATCH CHEMICALS			
" Pink	44/- "	Red Magnese		14/- cwt.	
Silanium Metal powder	1/- "	Black "		14/- "	
Soap Monopole M.T.S	50/- "	Iron Oxide		14/- "	
Soda Ash 58% light	21/- cwt.	Glass Powder		18/- "	
" Heavy English	21/- "	Antimony Sulphide		40/- "	
" American	21/- "	Match Wax		0/8/0 lb.	
Soda Bicarbonate English	22/- "	Kissul Gharb		18/- cwt.	
" American	1/- "	Phosphorous Red		3/ lb.	
" Bichromate	100/- "	XI. PAPAR AND BOARDS			
" Bisulphite 60/2%	65/- "	News print. Norway-Sweden Rs.as.ps. per lb.			
" Acetate English	1/- "	Austrian-Italy			
" Nitrate	35/- "	22½x35	28/29 lb.	0 7 6	
" Hydrosulphite	1/6/- lb.	20x30	22½/23 "	0 8 6	
Soda Sulphide 60/2%	40/- "	17x27	18 "	0 8 6	
" Holland	40/- "	30x30	44½ "	0 8 6	
" Country	40/- "	27x40	40 "	0 9 0	
" Caustic flake	40/- "	Japan News Print.			
" Solide	30/- "	22½x35	28/29 "	0 6 6	
" Washing Crystal Int	20/- "	20x30	22½ "	0 8 0	
Soda Sulphate Crystal	11/0 "	30x40	44½ "	0 8 0	
" powder	22/- "	27x34	36 "	0 8 6	
" Silicate 6-7 cwt.	16/- "	27x40	40 "	0 9 3	
" 1½ cwt.	1/- "	Printing Paper.			
Sodium Sulphite (photo qu.)	65/- "	Woodfree glaze 20x30 26	1 5 0	1b.	
Sodium Tri-phosphate	30/- "	do. 30x40 52	1 5 0		
Sulphur Crude	15/- "	Bengal White 20x30 24	0 14 0		
" Powder quality	22/- "	do. 20x30 28	0 13 6		
" Roll Am.	1/- "	Art Paper.			
Tin Oxide Eng.	6/- "	Imitation White art (Finland)			
Vegetable Wax	2/- "	30x40/ 72-90 lb.	1 6 0		
Zinc Sulphate crystal English	75/- cwt.	23x36/ 52-64 "	1 6 0		
Zinc Dust 5/97% English	85/- "	23x30/ 52 "	1 6 0		
Zinc Oxide	175/- "	Real White Art (Bel)			
Ultra Marine Blue English	150/- "	30x40/ 74-83-90-96	2 0 0		
Uria Technical	-/8/0 "	23x36/ 52-62-68	2 0 0		
		30x40/ 86lb (German)	1 10 0		
		23x36/ 60 "	1 10 0		
SIZING STORES					
*Ferina Potato Starch Dutch	1/- cwt-	Titaghur Art.			
Dextrine Dutch Potato-qu	75/- "	23x36 50 (Real) 56 lbs.	1 4 0		
Dextrine English	1/- "	20x30 36/40	0 15 0		
Epsom Salt BP- quality	20/- "	Bond Paper- (Norway Sweden) White.			
Mineral White English	12/- "	Water marked. 18x23-14	1 6 0		
French Chalk Jaipur 200	8/- "	18x23-17	1 2 3		
" (Europe) 300	13/- "	18x23-19/21	1 4 0		
Chloride of Magnesia	10/- "	Tissue Paper.			
Chloride of Zinc	150/- "	M. F. (Two horses) 20x30	12 4 0	ream.	
Chloride of Calcium Solid	25/- "	M. G. Norway 20x30	9 0 0		
		M. G. Dudhia 20x30	10 4 0		
		(Other Items on enquiry).			

Foremost in Food Front is DPF Pumps

XII. AUTOMOBILE PARTS

	Rs.	A.	P.		Rs.	A.	P.
Rear Hub Bolts & Nuts	13	2	0 doz.	Chev. front main leaf L	8	0	0 each
Front	10	8	0 "	Ford " L	8	0	0 "
Axle Bolts U.S.A Chev	36	0	0 grs.	Inter " L	8	0	0 "
" " 37	36	0	0 "	G.M.C. " L	8	0	0 "
Front Centre Bolts 5"	7	0	0 "	Dodge front Main leaf L	10	0	0 "
" " 6"	9	0	0 "	" 2nd leaf L	10	0	0 "
Rear " 10"	18	0	0 "	G.M.C. " L	9	0	0 "
" " 12"	19	0	0 "	Inter " L	9	0	0 "
Valve repair Tools	10	8	0 "	Ford " L	9	0	0 "
Oil Cans	16	8	0 doz.	Chev. " L	9	0	0 "
Cross Wrenches	14	0	0 each	other leaves are charged 4 as less than the upper one.			
D.E. Spanners set	13	8	0 set	Chev. U-Clamp front	15	0	0 doz.
H.L. Outer King	12	8	0 each	Ford " "	33	0	0 "
H.L. Outer Ring Ford	12	8	0 "	Axilator Spring small	2	8	0 "
U.S.A. for other trucks	12	8	0 "	" " Medium	3	0	0 "
Head Lamp Glass Ring Ford	10	0	0 "	" " Big	3	0	0 "
" " Chev.	10	0	0 "	Brake Shoes Springs	6	8	0 "
" U.S.A. for other trucks	10	0	0 "	Clutch paddle "	4	8	0 "
Starting Ratchet Ford	3	8	0 "	Dynamo Springs	3	0	0 "
Starting Ratchet for Dodge and other trucks	5	8	0 doz.	Tie Rod Spring	4	8	0 "
Radiators Caps.	9	0	0 "	Engine Mountings and Plates	47	0	0 "
" " Ford	9	0	0 "	Brake Valve Complete	8	0	0 "
" " Dodge	9	0	0 "	Universal Joint Ring	12	0	0 "
Petrol Tank caps for Chev. and				Rear Spring Bushes Chev.	18	0	0 "
" " Ford N.P.	15	0	0 "	Front " "	10	8	0 "
" " Black	14	0	0 "	Dynamo " "	10	8	0 "
Hose pipe clip assorted	10	8	0 "	King Pin " "	13	8	0 "
Cotter Pins Tins	10	0	0 "	Piston Pin " "	9	0	0 "
Lock washers Tins	9	0	0 "	Plugs Champion	36	0	0 "
Ford Rear Spring complete	115	0	0 each	" AC	27	0	0 "
" " Front	85	0	0 "	" Australian	15	0	0 "
" " Main Leaf	15	8	0 "	" Spanners local	10	8	0 "
Chev. rear spring Eng.	120	0	0 "	" " U.S.A.	18	0	0 "
" " Front USA	95	0	0 "	Head Lamp Holders	8	0	0 "
" Rear main leaf GM	24	0	0 "	Tail " "	5	0	0 "
" " Front	25	0	0 "	Flag Rod for Radiator	5	0	0 each
" " Rear " leaf local	10	8	0 "	Choke wires local	12	0	0 doz.
Ford " "	10	8	0 "	" " U.S.A.	27	0	0 "
Int. " "	13	8	0 "				
G.M.C. " "	13	8	0 "				

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Branch :

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VILLUPURAM

Registered Office :

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