

203

The POWER

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

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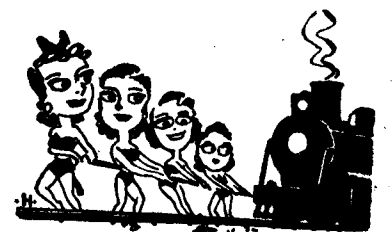
Editorial ...	Trade Talks ...
Special Article ...	Books & Brochures ...
Consumer's Companion ...	News & Notes ...

MADRAS MARKETS

A DRAMATIC DEFEAT.

POWER'S PUNCH

The four bathing beach models of pretty girls tugged and pulled a steam locomotive weighing 500 tons! This was possible due to wheels and shafts cradled in roller bearings—a dramatic defeat for Old Man Friction, the greatest enemy since man first handled his goods on carts and bandies.



Roller bearings are used in other problems as for example in earth-quake proof building, in ballet dancing and so on.

It must be that bearings not love are what makes the world go round!

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If you do not find what you are looking for, we have the information in our files.

About it, ask

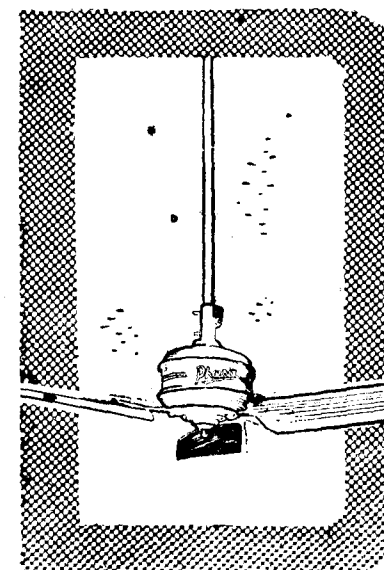


In this issue :—

The Girl's World

Madras Markets &

Where to Buy?



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Editor: P. S. Pillai, M.A.

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in
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1. OCTOBER, 1952.

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

2. QUIZ.

Who is the author of "Fathers & Sons" ?
999 is associated with what ?
What is D. D. T. ?

3. HERE'S HOW.....

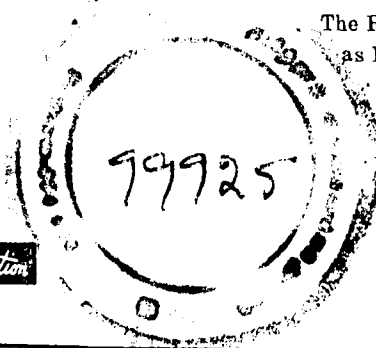
Answers — September (1952) Quiz.

1. Winston Churchill.
2. Wrestling.
3. A great Hindi Novelist and story writer.

A costly visit to an electric power plant—
for your wrist watch will loose time
due to hairspring being magnetised.

The language of Adam & Eve was one of
love.

The Radio waves have the same velocity
as Light.



POWER IS PROGRESS.

COMPETITION CORNER—

Power's Puzzle No. 4.

1. — EST ...A best company.
2. — OINT ...A word frequently used by engineers.
3. WI — E ...You acquire this knowledge by reading Shakespeare.
4. LA — S ...They are lovely.
5. — RAVE ...Doctor often has to be this.
6. — OWER ...A Tractor operates with this.
7. — ACT ...A lawyer cannot disregard this.
8. — USSY ...A lady cannot afford to be this.

FIRST PRIZE RS. 250/-.

RUNNERS UP RS. 100/-.

Entry fee as. 4 per entry.

Closing date : 4 p.m. on Saturday the 29th
November '52.

Clues : Best, Point or Joint, Wise or
Wide, Lads or Laps, Brave or Grave,
Power or Mower, Tact or Fact, Pussy
Fussy or Hussy.

For rules and conditions, see Madras Mar-
kets Section.



WORLD - WIDE
JOURNAL



PUBLISHED MONTHLY

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August, 20, 1952

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well as informative. We wish you would
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picture studies.

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on the same lines as you have done in
this issue. It would be a boon to the
readers and those people who need it.

Please accept our congratulations
for having brought out such an interest-
ing issue.

(SD.) PUBLIC RELATIONS OFFICER.

POWER

Vol. III

OCTOBER, 1952

No. 1

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Language of Trade.

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A model printing & Publishing industry.
The Girl's World.

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Inside Europe
Inside America
Inside Asia
Sports & Pastime
In a Few Lines

OTHER FEATURES

Female's Forum
Electricity—Self-Instructor
Power's Puzzle
Power's Punch
&

MADRAS MARKETS

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Address your Correspondence to :

THE POWER,

296, Lingha Chetty St.
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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.

LADIES LUCK :

COMPETITION - 3

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RULES

IT IS EASY !!

1. The competition is open for ladies only.
2. Address entries to the **Power**, 296, Lingha Chetty St., Madras - 1.
3. Mark in ink the order of merit by 1, 2, 3 which you consider first, second, third, in space provided against the items. Leave the rest blank.
4. This entry form alone should be used.
5. You are bound by the rules and conditions of this competition.
6. No responsibility will be accepted for entries lost, damaged or delayed in the Post.
7. Last date is November 3rd and the prize winner will be announced in November issue of the **Power's** Supplement.

HERE'S ALL YOU DO !

NO ENTRY FEE !!

Mark in ink only the number 1, 2, 3, in order of merit which you consider first, second and third. Leave the rest blank. Prize will go to the entrant who sends in the apt solution to be judged by the editor whose decision is final.

The Quest for Beauty.

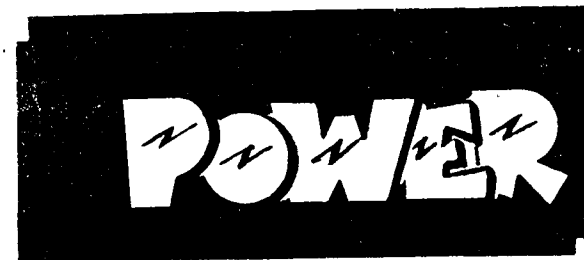
Keats expresses a mighty truth in his lines;

"A thing of beauty is a joy forever,
Its loveliness increases, it will never
Pass into nothingness"

We appreciate loveliness in Nature and in art. The quest for the beautiful has existed since the dawn of civilization. But, alas! the loveliness that was formerly so much a part of painting and sculpture, poetry and prose, is to-day sadly lacking. The reasons are not far to seek. The lowest taste in music comes with the sudden industrialization and growth of a new-rich commercial class without a proper cultural background. The desire to stress the self not dedicating themselves to beauty and to Nature, among the artists is another reason.

For over twenty centuries Greek concepts of beauty have been an inspiration to the rest of the world; in fact, the word Grecian is synonymous with all that is flawless and lovely in statuary and architecture. Can such beauty ever diminish or fade !

Let us determine to sift the good from the bad; let us accept that which is powerful, real and pure in simplicity, while regidly rejecting all that is willingly ugly and crown once again Beauty queen.



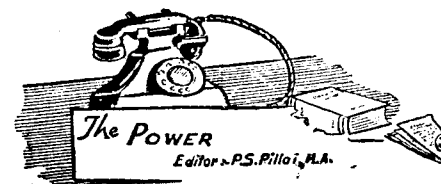
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"Mankind is more indebted to industry than ingenuity; the gods set up their favours at a price, and industry is the purchaser." —Addison.



Educate the Employees :

Any progressive industry depends on education at every stage of its employees. There are at present some five million industrial employees in India. Indian Industrialists have on the whole done much less for education than their compeers in other countries.

Business magnates and industrialists in other progressive countries of the world have realised that illiterate workers cannot be expected to get full value out of complicated machines. They have taken steps to arrange for the education and training of their employees. For example some newspapers in South

America distribute books for adult education either free or at nominal prices. Many insurance companies in the U. S. A., have rendered great service to the cause of health education by producing simple text books and manuals of diets and exercise.

Modern industry and commerce depend on education at every stage and require highly developed knowledge and skill. Less efficiency is due to lack of education. If industrial firms undertake to educate their own operatives, they would not only be helping themselves by increasing the efficiency of their workers but would also serve the country by spread of information and knowledge. Diversion of a portion of the income of the concerned firm should be made for such purpose. Government on its part should encourage such efforts of industrialist by treating approved expenditure on education as establishment expenses for purposes of income-tax.

Educating the employees will bring increased production which is an addition to the national wealth. Thus we can create the material basis for an improvement in the standard of life of our people at large.



Cut here

(A woman shows best affection to)

Father	
Mother	
Husband	
Brother	
Children	

Surname in ink & Block Letters }Initial.....

Full Address.....

Date.....

SPECIAL ARTICLE—

BY
A Technician.

Rubber in Electric Cable-Making.

The use of rubber in Cables is well-known. Rubber is one of the most important raw materials used in cable-making. Unlike other ingredients used, rubber has only to conform in respect of cleanliness, appearance and physical form and not other specifications. Natural rubber is a very variable commodity as regards its intrinsic properties. But synthetic rubber is of various kinds and is produced to scientific specifications. There is widespread ignorance about rubber which is a product of tropical agriculture. There are numerous factors which enter into its production.

To outline in brief the basic manufacturing operations; numerous powders and other materials are mixed into rubber in order to modify its properties to suit our various purposes. This softening is the first and fundamental process known as mastication and the measured softness of the rubber is referred to as the plasticity of the rubber. Sulphur is an essential powder which is mixed in after mastication. Subsequently there is a heating operation which brings about a chemical union between the rubber and the sulphur known as vulcanisation. This results in those special properties which we associate with 'rubber'.

The rubber trade recognises seven different forms of plantation rubber and each of

these sub-divided into various grades dependent upon colour, cleanliness and blemishes of various kinds. In all the twenty-seven different grades, the cable trade uses only the top two grades of the variety known as ribbed smoked sheets and designated R. S. S. No: IX and R. S. S. No: 1. There is little difference between them except the former is the product of European estates whereas the latter is partly from Asiatic owned estates. Rubber is tapped from the tree in the form of latex and looks exactly like milk. The latex is diluted with water and solution of formic or acetic acid is mixed in corresponding to rennet. After several hours the rubber forms a coagulum floating on the surface representing the "Curds" whilst beneath is a clear "Whay" which is free from rubber. The process of passing the Coagulum through a series of mangles with diminishing nips takes place; then drying commences and the resulting product is the 'ribbed smoked sheet' of commerce. The preparation of pale crepe is similar with a few changes.

The manufacturing problems resulting from lack of uniformity in rubber vary and are fortunately less in cable manufacture. The rubber is tested; samples are vulcanised. (A. C. S. II). Numerous powders and other compounding ingredients are mixed in making rubber compounds for cable manufacture. Then the plasticity is measured with the help of Williams plastometer for example. At this stage the use of rubber in cable making commences.

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CONSUMERS' 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-4.)

(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 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.)

LAWS OF REFRIGERATION.

All refrigerating mechanisms are designed and built around four basic thermal laws:

1. Fluids absorb heat while changing from a liquid state to a gaseous state and give up heat in changing from a gas to a liquid.
2. The temperature during a state of change is constant but will vary directly with the pressure.
3. Heat will flow from a higher temperature to a lower temperature.
4. For cooling and condensing units metals of high heat conductivity are selected.

The Compression System (the other system being the absorption system involves the

operation of a refrigerant sealed in an air-tight and absolutely leak-proof mechanism. In short it is called a cycle involving a repetition over and over the freezing and cooling operations in working.

The compressor cycle is so called because it is the compressor which enables a transfer of energy. The refrigerant is able to absorb heat in one place and discard it in another with the help of compressor, which forms a part of the mechanism. The high pressure side as well as the low pressure side are involved. The high pressure side involves compressor, condenser, receiver and liquid line and the low pressure side refrigerant control, cooling unit, motor control and suction line.

The cycle operates thus; the vapours are compressed in the compressor and passed to the condenser. During compression the pressure increases (Boyle's Law) and the temperature increases (Charles' Law) until the gas temperature is greater than the temperature of the condenser cooling medium (usually air). Heat will now flow from this gas to the cooling medium, allowing the gaseous refrigerant to return to the liquid state. After condensing the liquid refrigerant is stored in the liquid receiver until needed. From the liquid receiver it passes through the high pressure liquid line to the expansion valve (dry system) or to the float needle valve (flooded system) where the pressure is returned to a pressure at which the liquid will evaporate at a temperature at 50° F to 100° F. In evaporating the liquid in the cooling unit, considerable heat is absorbed and refrigeration furnished. After expansion and evaporation in the evaporator or cooling unit, the gas is drawn back to the low side of the compressor through the suction line. It passes through the intake valve of the compressor into the cylinder; here it is compressed and discharged through the exhaust valve into the high pressure side where the heat absorbed in the cooling unit is radiated. This causes the refrigerant to recondense and it is stored in readiness for a repetition of the same cycle.

The practical knowledge of this cycle involves a study of the different types of compressors—the piston-cylinder type, the rotative pump type, the gear pump type, the centrifugal type etc.



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.)

Industrial Changes.

The world as a whole is undergoing great changes brought about by the last war. The number of workers employed in the old basic industries like mining, textiles has fallen and the numbers working in the engineering vehicle and chemical industries has increased. The question of skilled technicians is looming large. Mass production demands enormous capital investment and can only function when controlled by highly-trained technicians.

The world demand in the 2nd half of the 20th century is obviously for capital goods, the

kind of industrial equipment which itself produces wealth. This explains the enormous expansion of engineering, especially heavy engineering like mining machinery, huge cranes, power station equipment etc.

This is the age of the technicians!

Language of Trade.

Many problems have risen during the transition in India from British Raj to Independence. The problem of a common language for India is one and the Constitution has stipulated 15 years as the time limit for the switching over from English to Hindi. To have a common language for reading, writing and talking is entirely different from having a uniform language for purpose of instruction in schools and colleges. We have been accustomed to text-books and scientific treatises only in English. In the world of internal and international trade English was the only medium. The higher research in the Universities and Research Institute is all in English; knowledge of even French and German is considered necessary. Japan and China adopt English as a necessary medium for higher studies. In Japan, for example concurrent courses of studies in the Universities both in Japanese and in English are being adopted.

As elder statesmen, industrialists and scientists have pointed out recently in their letter to the Prime Minister of India, there is a growing neglect of English in India which is bound to react badly on culture, research, trade and industry which are the only saviours from depression of Independent India.

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EVENTS ABOUT ELECTRICITY

The Power we use

—Electricity

Self--Instructor (Lesson 7)

[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.]

PRINCIPLES OF WIRING.

The principal object of any system of wiring is to distribute the electrical energy to the various points at which it is required.

The essential considerations are (1) electrical safety (2) mechanical immunity (3) permanence (4) appearance (5) system of supply.

There should be no leakage or electrical shock to persons using the supply. The wiring should be protected from damage of a physical nature and should be neat and tidy. Usually house service connections are done on

two wire 220 volts system (i.e.) the buildings will have electricity at a pressure of 220 volts. If it is a 3-wire D. C. supply there will be a positive or negative wire and the neutral, the voltage being in either case 220 volts. If it is an A. C. supply the domestic distribution will be on any of the three phases and the neutral in which case also the voltage will be only 220 volts. In the case of electric motors or heavy industrial loads are connected, a 440 volts 3 phase 4 wire supply for A. C. or 440 volts supply for D. C. are available.

The taped and braided V. I. R. is the standard form of cable used. The tough rubber sheathed (T. R. S.) cable which is thick and of hard texture is also used. The form C. T. S. (Cab-tyre sheathed) is the registered trade mark and the general term applied to this class of cable is tough rubber sheathed (T. R. S.). Flex is used for pendants etc., and must not be used for wiring purposes. It is bad practice to have flex alive always and a switch is used so that the flex is dead when the apparatus to which it is not connected is not in use. Bare conductors are utilised in distribution and transmission purposes for overhead lines.

(to be continued)

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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.]

A MODEL PRINTING & PUBLISHING INDUSTRY.

This is found in Russia. To-day the works of the world's great scientists grace the shelves of every worker and peasant here. The ever-increasing production of books in the Soviet Union has achieved immense scope. In 1950 alone 820,000,000 copies of books and booklets were printed in the Soviet Union specializing in the various fields of book production; political literature, fiction, scientific literature, textbooks, etc. One of the big publishing houses is the State Publishing House of Fiction and Poetry, which deals with the world classics and modern writers. Its annual output is 46,000,000 copies. There are large state publishing houses which turn out books on agriculture, technical subjects, law, art, geography, sports, etc.

Books in the Soviet Union are truly the people's property. There are 350,000 libraries—in the towns and villages, plants and factories, schools and colleges, clubs and rest homes, etc. Besides the vast network of book-shops and stands literally covering the coun-

try, there is a popular subscription system by which readers can obtain collected works at a low instalment rates.

The demand for books in the U. S. S. R. is so great that the publishing house can hardly keep pace with it.

Printing technique is being constantly improved through the addition of up-to-date Soviet-made machinery, including multicolour book and magazine rotaries, rotogravure, flatbed and offset presses, multimagazine linotype, automatic stitchers, conveyer belt, etc. The rapid growth of book publishing calls for a corresponding increase in paper production; and so more and more paper mills are being built. Besides, highly qualified personnel is another important factor to which much attention is being paid. The Soviet State expends enormous funds in promoting book production as people's interest comes first and the universal urge for knowledge must be fully satisfied.

THE GIRL'S WORLD

(Blackie & Sons Ltd., London. Pp 576 Price. Rs- 6-14-6). This handy volume is a collected work by more than 30 writers. It supplies useful and reliable information on a wide range of topics of particular interest to girls. Contributors are expert in their subjects, among which every girl will find many of her favourite pursuits and pastimes. The chapters on knitting, charm and personality, I wish I could write, are instructive and interesting.

Addition to Power's Library:

"THE GIRL'S WORLD."



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."

THE WORLD AT A GLANCE

(September, 1952.)

INSIDE INDIA.

The A. I. C. C. held a two-day session at Chandrashekar Nagar (Indore). The structure and functions of the Congress party figured in the agenda. The session has considered the world situations and the satyagraha campaign in South Africa. Mr. S. K. Patil's grateful acceptance of the conclusions denotes the speedy restoration of harmony.

Dr. Radhakrishnan and Dr. Keskar addressed the All India Newspaper Editors' Conference held recently at New Delhi. They placed lofty ideals to the press. The Yellow Press was condemned. It is well that the famous maxim of the famous editor, Scott of the Manchester Guardian, Facts are sacred and comment is free, is followed by the press. Then only their contribution to the making of public opinion and the political education of the people is real and substantial.

The Silver Jubilee celebration of the South Madras Electric Supply Corporation was held in Tiruchirappalli. It was inaugurated by H. E. Sri Prakasa, the Governor of Madras and Sir C. P. Ramaswamy Iyer delivered the Jubilee Memorial Address. The services of Mr. V. Seshasayee the Managing Director of the concern in the field of South Indian Industry were praised and were acknowledged by way of presentation of a shield to him.

Municipal elections in Madras State have claimed a great deal of attention with success to the Congress party. The number of independents in the field was unusually large.

The new situation in Tanjore District (South India) caused the Madras Government to issue an Ordinance protecting the respective rights of the landholders and the tenants. It is likely that many would be dissatisfied with some of the provisions. But it remains to be seen how it works for the cause of more production of food from the granary of the South.

INSIDE EUROPE.

The Social Democrats of Sweden have returned in the recent general elections as the single largest party though without absolute majority in the Legislatures. This party was dominant for the last twenty years. It is socialist in theory and practice, keeping in touch with labour. It believes in economic planning and had successfully tackled the disastrous slump of the 1930s. It hopes to survive another anticipated slump after the last war. Sweden's relations with Russia are subject to severe stress. Except under grave provocation from Russia she might prefer to continue a policy which has given her place and prosperity so far.

The latest development in Europe is the resolution passed at the meeting of the six West European Foreign Ministers at Luxembourg about drafting a federal constitution to be handed over to the European Defence Community. The essence of it was to control the joint European Army. Larger countries like France and Italy took the initiative but were opposed and watered down by smaller countries like Holland and Belgium.

INSIDE AMERICA.

The ideology of Juan Peron in New Argentine is really an opener to the world at large.

After his win in the presidential election in 1946, he has spent a tremendous amount of printers' ink in explaining "justicialism"—the official term for his doctrine of no substance with slogans fit to win the ignorant masses. With the mixed tone of military commands and mathematical values of political, social and economical conditions, he proclaims that Justicialism alone could bring the Argentine people social justice, economic freedom and political sovereignty. This is the practical third position between Capitalism and Collectivism. In this world of political gamblers and opportunists, it remains to be seen how long his Justicialist ideology which is more than a play of words will stand and his star may decline or fall.

The fight on the U. S. Presidential election resolves itself into a struggle between party of faith and party of fear. General Eisenhower finds a tough rival in Governor Stevenson of incomparable eloquence, disarming manner, with courage to face facts. Mr. Stevenson's approach to Asia's problem has also made a profound impression. He is the first American politician to say that emphasis should not be on military defence against communism in Asia. The fighting campaign was on the march with development after development occurring unexpectedly.

INSIDE ASIA.

Japan is now a nation to be trusted and aided. Like Britain, Japan depends upon foreign trade for her existence. The Yoshida cabinet has decided to hold general elections which will show what the feelings of the people are. Whichever party comes to power, it will have to tackle grave internal and external problems.

SPORT & PASTIME.

The Indian Cricket Team concluded their tour of England with their match against T.N. Pearce's XI and have returned home. The Indians won 4 out of 21 first-class matches, lost 3 Tests and drew one. The tour was a success from educational point of view.

Pakistan is on official Cricket tour to India from October 8 to December 21. Its itinerary includes matches at important centres.

The two Table Tennis Tests between England and India held at Madras and Bangalore recently were enjoyed by the large gathering in both the places. Though India suffered a defeat in both the places, her players learnt much from their faults.

The world's greatest Comedian Charlie Chapline is barred from entering his country, the U. S. A., due to subversive activities. His politics and private life were watched by the public and the State. His latest film "Limelight" will be released shortly. In his view it is his finest picture, a hymn to humanity, picturing the classic contest between life and death, the pessimism of youth and the optimism of old age.

The horse of 1952 is Tulyar of the Agha Khan. This colt won the Derby, the Eclipse Stakes, the King George Sixth and Queen Elizabeth stakes and the St. Legar. A lazy horse though, his length of stride on the track is amazing; he changes his legs, shoots off to the outside of his field at a most acute angle with a smoothness of a perfect machine. His trainer and jockey are Marsh and C. Smirks. He carved for himself a place among the immortals of the British turf.

In a Few Lines

M
E
N

Sir Roger Makins well connected with atomic energy committee has been appointed as British Ambassador to the U.S.A.

Mr. Nehru has a recent tour of the scarcity areas in the South.

The Japanese journalist climber S. Takabushi is now on Reconnaissance expedition in the Himalayas.

M
A
T
T
E
R
S

Grave concern exists in New Delhi over affairs in T. C. State—regarding allegations of corruption and misuse of power and authority.

A group of Colombo Plan Experts from Britain has arrived in India.

Teeth and jaws make up two-thirds of the face. But the number of qualified dentists in Madras State is pitifully only 19.

Thought for the Month.

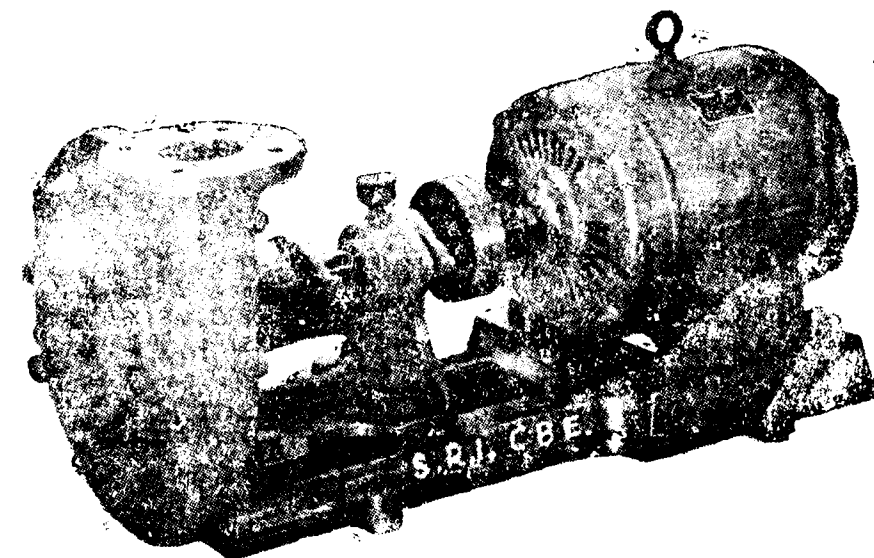
Don't waste life in doubts and fears; spend yourself on the work before you, well assured that the right of performance of this have duties will be the best preparation for the hours or the ages that follow.
— Emerson.

ஸ்ரீ பம்புகள்

நீடித்த
உழைப்பு

குறைந்த
செலவு

நிறைய
விளைச்சல்



STOCKISTS IN MADRAS
G. JANSI & CO., ELECTRICAL MART LTD.,
TEE YEN BEE MILL STORES, Madras - Hyderabad - Dn.
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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.

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Madras - 1.

Telephone No. 3508.

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11, Mclean St., 1st Floor
G. T. Madras.

WE OFFER FROM READY STOCKS.

Red vulcanised Fibre Sheets and Fabric Bates 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.

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MEDICINES, ESSENTIAL OILS,
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P. T., MADRAS - 3.

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Undertake all kinds of contracts & repairs in Electrical

& Mechanical and rewinding of Motor etc.

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Phone: 3508 Grams: LUBRICATOR.



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MADRAS - 1.

Phone Res: 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 Metals,—Rods, Wires & Sheets, Beltings:—Rubber, Hair, Leather & Canvass. Diesel Oil Engines—Pumps—Chhaki—Ball Bearing—Belt Fasteners—Lacings—& General Engineering Tools.

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ASTHMA CURED IN 48 DAYS
THANGA THALAKA BASMAM
MANORAMA LAHIUM
SPECIAL MALABAR TREATMENT

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MADRAS - 21.

**DISTEMPER & FLAT
PAINTING BRUSHES**

Largest Suppliers of Distemper and flat
Painting Brushes

NANNOOH BROTHERS

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POWER'S SUPPLEMENT

OCTOBER 1952

"Regd. No. M. 5668."

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YOUR
CASH
PRIZE

MADRAS MARKETS
&
WHERE TO BUY

POWER'S
PUZZLE
NO. 4
See Inside

This GOLDEN OFFER
I can't resist -
It's always on
my shopping list!

YOU
are invited to
send your enquiries to
The POWER

You can be sure of your reward
for thoughtful sale or purchase thro'
the pages of MADRAS MARKETS which
is for your ready reference to any par-
ticular item.

- * It saves time
- * It gives benefit
- * It ensures selection
- * It is economy
- * It is safety

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.	... 9 0 0	"
" 1 1/2"	... 8 0 0	"
" 5/8"	... 12 0 0	"
Batten Holders	... 10 8 0	"
P.B. Holders English.	... 16 0 0	"
" 1 1/2"	... 14 0 0	"
" 5/8"	... 16 0 0	"
Batten Adaptor (Bak)	... 17 8 0	"
	... 7 8 0	"

	Rate.	per doz
CEILING ROSE (2 Plate Bak)		
English	... 8 0 0	"
Indian	... 5 4 0	"
Cutouts(English)	... 8 4 0	"

WALL PLUG

Bakelite 5 amps 2 pin complete (Eng.)	... 13 0 0	"
" 3 pin	... 32 0 0	"

SHADES & REFLECTORS

Enamel Iron Shades 8"	... 7 8 0	"
" 10"	... 12 8 0	"
Water Tight Fittings complete Indian	... 6 4 0	Each.

WIRES & CABLES

	Per Coil of
	100 yds.
V.I.R. C.M.A. 1/18	... 24 10 0
" 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	... 57 0 0	"
" 3/20	... 58 4 0	"
" 7/20	... 92 3 0	"
" Twin Core 1/18	... 110 4 0	"
" 3/20	... 110 4 0	"
" 7/20	... 175 12 0	"

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.

		Rs.	A.	P.
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

1/044	2220 S	55	8	0
3/036	2223 S	101	8	0

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

SINGLE CORE

		Rs.	A.	P.
14/0076	2141 L	13	1	0
14/0076	2141 BL	10	3	0
23/0076	2142 M	18	4	0
23/0076	2142 BM	13	14	0

TWIN TWISTED FLEX WIRE

14/0076	2241 BL	16	0	0
23/0076	2242 BM	29	9	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	2 1/2 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 amps	145	"
20 amps	168	"
30 amps	182	"
40 amps	217	"
100 amps	272	"

AMMETERS, VOLTMETERS (English) Each.

	Rs.	A.	P.
Ammeters 4" dial			
0-10 amps	52	8	0
0-20 "	52	8	0
0-30 "	52	8	0
Voltmeters 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"	1 1/4"	1 1/2"	2"	per 100 ft.
16 G. Rs.	40	40	51	80	110	130	
18 G. Rs.	35	35	44	68	90	107	

BRACKETS & SHADES:

Brackets :				
	4"	6"	9"	12"
P. B.				
Brackets	Rs. 6 1/4/-	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"		

D.C.C. WIRES

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

INSULATING MATERIALS

Henley Black insulating tape 1/2"	6	4	0	per 100-yards
tape 3/4"	9	5	0	"
Callenders 1/2"	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 1 1/4" & 1 1/2" & 2"	0	5	6	per box

Tools mean efficiency for all modern factories & workshops
For electric portable tools apply to: M/s. Rallis India Ltd., Madras - 1.

HARD DRAWN BARE COPPER WIRE

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

FLOUROSCENT 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	Each
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"	3/4"	1"	1 1/4"	
1 way	Rs. 18/-	19/8/-	22/8/-	54/-	doz
2 way	" 19/8/-	20/-	25/8/-	66/-	"
3 way	" 23/-	22/8/-	30/-	80/-	"
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	... Rs. 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

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 1 1/2 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.
Kassels	16"	125
Ceiling Fans A.C.		
Complete with Regulator, rod etc.		
	Size	Rs.
Crompton	60"	Indus 220
	56"	Kistna 200
	48"	Sutlej 185
Lucky	60"	180
	56"	168
	48"	160
	36"	130

Kassels and Anand and Azad on enquiry

PHOENIX (CEILING)**Alternating Current****220/250 Volts, Single Phase and 50 Cycles.**

Type	Sweep in inches	Watts at full speed	R.P.M.	Air delivery in cft. per minute	Price Ex- Calcutta
Phoenix	60"	64	215	13,650	Rs. 196
"	56"	62	225	11,200	Rs. 180
"	48"	53	240	9,050	Rs. 168
"	36"	50	315	6,660	Rs. 138
A.C. Spare Regulator @ Rs. 19/- each.					

PHOENIX (TABLE)**Alternating Current****220/250 Volt, Single Phase, 50 Cycles.**

Phoenix 16"					
Fixed	53	1,300	2,250	Rs. 105	
Osc. 16"	55	1,250	2,250	Rs. 122	
Phoenix					
Fixed 14"	43	1,400	2,000	Rs. 100	
Osc. 14"	45	1,350	2,000	Rs. 116	
For Pedestal Fans enquire M/s RM. S. & Co. Ltd., Broadway, Madras-1.					
Jaura A.C.				Rs.	
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	Rs.
60" Sweep	210
56"	180
48"	170
36"	140

Prices on application for D.C. Fans.

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

Blade size	R.P.M.	Air Dis- placement	Consump- tion	Price. Rs.
7 1/2"	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.

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.

Become a member of Madras Electric Trades Association
Apply for particulars to Secretary, 337, Thambu Chetty Street, Madras - 1.

V. MOTORS & SWITCHES ETC.

E. I. make.			
H.P.	R.P.M.	Price Rs.	
3	1420	635	
5	1430	832	
7.5	1450	1064	
10	1455	1309	
10	970	1811	
15	975	2194	
(totally enclosed fan cooled sq. cage.)			
SWITCHES & STARTERS			
M.E.M. D.P. 15 amps 250 volts 122 K.A.		Rs. 8	
M.E.M. T.P. 15 500 315 K.A.		Rs. 16	
M.E.M. T.P. 30 500 330 K.A.		Rs. 25	
M.E.M. T.P. 60 500 360 K.A.		Rs. 52	
M.E.M. 10 S. D. starter		Rs. 95	
M.E.M. 5 D. S.		Rs. 55	
M.E.M. 44A.D.S.		Rs. 27/8	
M.E.M. 24A D.S.		Rs. 36	
M.E.M. 84A.D.S.		Rs. 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/- 32/- 45/- 52/-			
1544MP 1566MP 1588MP 3044MP 3066MP 3088MP			
Rs. 62/- 85/- 110/- 90/- 120/-			
—each.			
Other items on enquiry			
•			
M.E.I. Direct on Line Starter			
upto 5 H.P. ...			Rs. 68
M.E.I. Air Break Star Delta Starter			
upto 12.5 H.P. ...			Rs. 136
M.E.I. Air Break Star Delta Starter			
upto 12 to 20 H.P. ...			Rs. 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 capa-			
city with arrangements to switch on and off			
automatically at predetermined timings			Rs. 125
Other types on application.			
VI. PUMPS & PUMPSETS			
CHANDRA PUMPS			
Size of F & L	Direct coupling	Pump with	
pump 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"	Rs. 150	Rs. 130	—
1½"x1½"	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.)			
Rallu "DULUX" Pumps Belt Driven Type MK. 3			
3"x3"		Rs. 245	
4"x4"		295	
(M/s. Rallis India Ltd.)			
SRI PUMP for direct coupling.			
Size	A impeller	B impeller	
2'x2"	Rs. 170	Rs. 180	
2½'x2½"	Rs. 190	Rs. 200	
3'x2½"	Rs. 195	Rs. 205	
3'x3"	Rs. 205	Rs. 215	
4'x3"	Rs. 210	Rs. 220	
4'x4"	Rs. 285	Rs. 305	
—for belt drive fast and loose pulleys.			
		Rs.	
2'x2"		190	
2½'x2½"		205	
3'x2½"		205	
3'x3"		215	
4'x3"		220	
4'x4"		290	
5'x4"		295	
O. K. PUMPS			
3'x4"		330	
2½'x3"		275	
2'x2½"		220	
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 1.)			
RUSTON PUMPS			
(PM Fast Pulley foot valve & strainer)			
1½'x2"		Rs. 290	
2'x2½"		370	
2½'x3"		437	
3'x4"		545	
4'x5" Fast and Loose pulleys, Belt striking Gear Footvalve and strainer		770	
5'x6"		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.
			Rs.	Rs
MP 1	2"×2"	20 to 50	170	145
MP 2	2½"×2"	40 to 70	180	155
MP 1	2½"×2"	20 to 60	170	1-5
MP 2	2½"×2"	40 to 70	180	155
MP 3	2½"×2"	50 to 85	190	165
MP 4	2½"×2"	70 to 105	200	175
MP 1	2½"×2½"	20 to 50	185	160
MP 2	2½"×2½"	40 to 70	195	170
MP 1	3"×2½"	20 to 50	185	180
MP 2	3"×1½"	40 to 70	195	170
MP 3	3"×2½"	60 to 90	205	175
MP 4	3"×2½"	70 to 105	215	185
MP 1	3"×3"	20 to 50	200	175
MP 2	3"×3"	40 to 65	205	180
MP 3	3"×3"	60 to 90	215	185
MP 1	4"×3"	20 to 50	205	180
MP 2	4"×3"	40 to 70	210	180
MP 1	4"×4"	20 to 40	285	250
MP 2	4"×4"	40 to 65	285	250
For prices of 5"×4" and 6"×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"×2"	20 to 70	190	
BMP 2	2½"×2"	20 to 130	190	
BMP 2	2½"×2½"	20 to 70	205	
BMP 2	3"×2½"	20 to 130	205	
BMP 2	3"×3"	20 to 110	215	
BMP 2	4"×3"	20 to 130	220	
BMP 2	4"×4"	20 to 110	290	
BMP 2	5"×4"	20 to 150	295	
BMP 2	5"×5"	20 to 130	370	
BMP 2	6"×5"	20 to 150	380	
MEMCO PUMPS				
K Type Centrifugal Type				
	Size		Rs.	
	1"×1½"		85/-	
	2"×2"		127-	
	2½"×2½"		169/-	
	3"×3"		211/-	
	4"×4"		254/-	

All with fast and loose pulleys.
(For Memco C Type, MS3 and MSMII, CP, H Type etc. Apply to M/s. Modern Engineering & Moulding Coy., Angappa Naicken St., Madras-1.)

"KUMAR" CENTRIFUGAL PUMPS—Belt Drive with fast and loose pulleys.

Size of Pump	Motor Drive (each Rs.)	Belt Drive (each Rs.)
1' x 1"	105/-	...
1½" x 1"	125/-	150/-
2" x 2"	160/-	175/-
2½" x 2½"	185/-	195/-
3" x 2½"	190/-	200/-
3" x 3"	200/-	205/-
4" x 3"	210/-	215/-
4" x 4"	275/-	285/-
5" x 4"	280/-	290/-
5" x 5"	310/-	370/-

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 phase 220volts, 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'x½" 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"x1" pumping unit with pressure tank complete ... Rs. 950

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

4½" stroke Jyothi Deepwell Power Pump
suitable for V-belt drive.....Rs. 460/-
½ H.P., A.C. motor, single
phase, suitable for above.....Rs. 180.

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	2,100
NATIONAL (horizontal)				
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
LISTER (vertical)				
3-1	1	3½	650	2050
5-1	1	6	600	2650
10-2	2	12	650	3200
YANMAR				
	4			1150
	6			1350
	8			2175
	1			2550
	15			4250
	21			5350

(M/S. Paras & Coy. 2/153, Broadway, Madras)
ROBEY (Single Cylinder Horizontal Diesel Engines.)

Type HSO/16 — 23/25½ BHP ... Rs. 7,200/-
each nett.

Type HSO/16A — 26/29 BHP ... Rs. 8,250/-
each nett.

Type HSO/17 — 40/44 BHP ... Rs. 13,250/-
each nett.

PELAPONE—Recardo Vertical Diesel Engines.

Model 51 — 10 HP ... Rs. 2,600/- each nett.

Model 52 — 20 HP ... Rs. 4,800/- each nett.

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

IS—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-1

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).

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

"Daihatsu" Japan Make Diesel Oil Engines:			
Type OK- 9 5/6 BHP	1200 RPM	Rs. 1,300.	each nett.
Type OH- 5 9 BHP	700 RPM	Rs. 2,275/-	each nett.
Type OH- 7 12 BHP	650 RPM	Rs. 3,500/-	each nett.
Type OH- 9 15 BHP	600 RPM	Rs. 4,200/-	each nett.
Type OS-18 23 BHP	600 RPM	Rs. 5,600/-	each nett.

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. HP R.P.M. PRICE
Vertical Rs.

"Russel Newbery"	7/10	800/1200	2785/-
do	10/12	1200/1500	2975/-
"Clays"	9.5	600	2875/-
"Steyr"	6/7	850/1050	2285/-

Horizontal	H.P.	R.P.M.	Price
"Imperial- Keighley"	10/12	490	4050/-
-do-	12/14	490	4500/-
-do-	23/25	400	6950/-
do	26/28	430	7100/-
"Campbell"	15/16½	450	4950/-

All Single Cylinder—
(M/s. Jayems Engineering Company, Madras).

VIII. HARDWARE

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

Sizes	1"	1¼"	1½"	2"	2½"	3"	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	
1"	62	—	56	54	53	49	
1¼"	—	—	—	57	55	50	
1½"	—	—	—	53	53	52	50

RIVETS:

Size	1"	1¼"	1½"	2"	2½"	3"	4"
Rs. 50	50	50	53	48	47	46	per cwt.
1/2"	44	42	42	41	41	42	42
3/8"	45	44	42	40	40	39	39
1/4"	—	—	40	40	40	38	38
3/16"	—	—	—	40	39	38	38
1"	—	—	—	43	43	42	40

(Other items on enquiry)

PANEL PINS:

	1"x20	18	17	per cwt.
German Rs.	80	59	59	"
Belgium "	85	66	—	"
	¾"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
0-11	0-13	0-15	1-1							"
0-13	1-1	1-1	1-5	1-3						"
1"			1-5	1-6	1-6	1-7	1-8			"
1¼"				1-11	1-13	1-13	1-14			"
1½"				2-0	2-2	2-3	2-4			"
2"					2-8		3-4	3-4		"
2½"					4-0		4-4	4-4		"
3"							4-8	4-8		"

Coach Screws

	1	1½	2	2½	3	4	5	6	"
1/4"	10	10	10	12	12	15	—	—	"
5/16"	—	10½	11	12	12	15	20	—	"
3/8"	—	14	15	16	17	20	25	28	"

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.	1½"	2"	2½"	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
1½"			
2"			40-0
2½"			
3"			45-0
3½"			

4/0			41-0
3/0			
2/0			46-12
1/0			
1/2"			51-4
1"			
1½"			61-4
2"			
2½"			65-12
3"			

4/0			92-8
3/0			
2/0			97-8
1/0			
1/2"			104-8
1"			

Emery Paper			
4/0			
3/0			
2/0			
1/0			

Emery Cloth			
4/0			
3/0			
2/0			
1/0			
1/2"			
1"			
1½"			
2"			
2½"			
3"			

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)	„ 4"	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
„	Rs. 6-8-0	each	60 doz.
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"	1/4"X5/16"	„	4	each
Rs. 3/-	4	4	4	4	4	each
5/16"X3/8"	3/8"X1/2"	1/2"X5/8"	„	6	„	„
Rs. 4-8-0	5	1	6	„	„	„
5/8"X3/4"	3/4"X7/8"	7/8"X1"	„	9	„	„
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	42
1 1/4"	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.
Bends	7 12	8 8	11 8	31 8	33	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 0	29	72 „
Flanges	12 0	15 0	16 8	25 8	28	848 „
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

Griffin Brand Solid Woven Hair Belting,	„	„	„	„	„	„
in 300 ft. rolls.	„	„	„	„	„	„
3"X5 1/2 mm	Rs. 3	5	0	per foot.	„	„
4"X7 mm	„ 6	4	0	„	„	„
5"X7 mm	„ 7	1	0	„	„	„
6"X7 mm	„ 9	5	0	„	„	„

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. (required)	Out put	Price
Make	„	„	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. (required)	Out put	Price
Make	„	„	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. (required)	Price
0	5000	4-8	850
1 1/4	3300	8-16	1,600
2 1/2	2500	12-25	2,750

(Other items on enquiry)

Disintegrators "Vivekananda-12"	Price Rs. 300/- each
Do. Do. 17"	420/- „
Laboratory Grinding Mill (Druggist)	„
Do. Do. 6"-500/-	„
Do. Do. 8"-600/-	„
Flour Mills fitted with Emery Stones	„
Do. Do. 16"-360/-	„
Do. Do. 12"-275/-	„
Coffee Grinders fitted with Emery Stones	„
Flour Mills Premier type 12"	200/- „
Rice Hullers No. 1	450/- „
Rice Hullers No. 7	500/- „
No. 1 Huller Covers	450/- „
No. 1 Huller Frames	22/- „
No. 1 Huller Shafts with nuts	45/- „
No. 7 Cylinder Shafts	25/- „
No. 7 Cylinder Shafts	24/- „

Disintegrator Screens of all meshes—	„
Suitable for 12" 17" 22" 30"	„
Rs. 17/8/- 30/- 50/- 100/-	per pair

Steel Beaters for Disintegrators:—	„
10/- 15/- 30/- 60/-	per set

Flour Mill Plates:	„
10" 12" 14"	„
Rs. 11/- 12/8/- 14/8/-	per pair

Emery Grinding Stones:	„
8" 12" 16"	„
Rs. 40/- 80/- 100/-	per pair

Centrifugal Pumps:

4" x 4"	3"X3"	2 1/2" x 2"	1 1/2" x 1"	1 1/2" x 1 1/2"
Rs. 250/-	220/-	125/-	75/-	80/- each

Foot Valves:	4"	3"
Rs. 40/-	25/-	„

Piston, Liner, Rings, Bearing, Fuel Pumps and Automisers, Nozzles etc., for all types of Oil Engines manufactured & supplied under guarantee of service.

Repairs & Renewals to all types of Oil, Steam & Gas Engines by expert technicians under personal supervision of an Engineer of 40 years experience:

(M/s. Vivekananda Industrial Engineers, Perambur, Madras-11)

EXPANDED METAL & WIRE NETTING

G.I. Woven wire netting in rolls of 50' x 3' wide.

2 mesh x 15 guage	Rs. 0	14	0	per sq. ft.
10 mesh x 23	„	0	14	0
18 mesh x 27	„	0	14	6
20 mesh x 28	„	0	15	6
20 mesh x 30	„	0	14	0
30 mesh x 31	„	2	0	0

(M/s. William Jacks & Co., Ltd., Madras-11)

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, countershaft, centres and chuck plate.....Rs. 5010

DRILLING MACHINE

Indian Make Power driven drilling machine (belt drive) pillar type, single geared hand feed.

Capacity	1/2"	3/4"	1"	1 1/4"	1 1/2"
Price	Rs. 190	350	550	1150	1400
Note:—1 1/4" and 1 1/2" drills are double geared with 3 belt automatic feed.	„	„	„	„	„

Advertising in 'POWER' & 'Madras Markets' means

Attracting the attention of 50,000 readers.

BRADFORD American Metalmaster Drill		
A. C./D. C.—220 volts).		
1" each heavy duty.....Rs.	140	
do. 3/8" Standard	Rs. 160	
do. 1/2" heavy duty	Rs. 250	
Shapers.		
Stroke 24" geared type single		
pulley drive.....Rs.	2500	
7" American type moto—		
rised bench type (Indian).....Rs.	1200	
(Other items on enquiry)		

IX. TOILETS.

	Price per doz.		
	Rs.	As.	Ps.
REMY Snow	10	8	0
„ Solid Brilliantine 2 Oz.			
No. 7	11	4	0
„ Solid Brilliantine 2 Oz.			
No. 9	9	12	0
„ Solid Brilliantine 4 Oz.			
No. 10	16	0	0
„ Solid Brilliantine 16 Oz.	39	0	0
„ Hair Oil 4 Oz.	16	8	0
„ Hair Oil	16	8	0
„ Toilet Powder — Pink &			
White	7	8	0
„ Toilet Soap	5	10	0
„ Toilet Soap (miniature)	1	14	0
“DRALLE” PRODUCTS.			
Musk Soap	5	10	0
Musk Soap (miniature)	1	12	0
Talc Powder	10	8	0
Cocoonut Oil Shampoo	10	8	0
Cocoonut Oil Shampoo 8 Oz.	16	8	0
Colibri Hair Oil 4 Oz.	13	8	0
Essence 33	9	0	0

X. 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.		
Brass Pattas (Cold Rold)		
Sizes 14"x42" 15"x45" 16"x48"		
20 lbs. 24 lbs. 28 35 42		
Rs. 170-4 165-4 160-4 155-4 153-8		
(Other items on enquiry.)		

XI. YARN

MAXIMUM EX-FACTORY PRICES OF YARN.			
3s Waste 6/1/6 10 lbs. 1½s Waste 6/1/6 10 lbs.			
2s „ 6/7/6 10 „ 4s „ 6/9/6 10 „			
2s „ 9/8/6 10 „ 6s „ 7/8/- 10 „			
7s „ 7/8/6 10 „ 1½s Waste Col.			
Mixing 6/3/6 10 „			

Counts	Cotton	Minimum	Price Per 10 lbs.
		product of	
		counts & Single	Two-fold.
		Lea	
		Strength	
		in lbs.	

			Rs.A.P.	Rs. A. P.
4s Indian	800	9 5 0	10 3 0	
6s „	„	9 9 0	10 7 0	
8s „	„	9 13 0	10 11 0	
10s „	„	12 11 0	13 5 6	
12s Indian	800	12 15 0	14 3 6	
14s „	1100	13 1 0	14 5 6	
16s „	„	13 13 0	15 11 6	
18s „	1200	16 12 0	18 13 0	
20s „	„	17 0 0	19 3 6	
22s „	„	17 6 0	19 13 0	
24s „	„	17 12 6	20 6 0	
26s „	„	19 10 0	22 4 0	
28s „	„	19 14 0	22 8 6	
30s „	„	20 2 0	22 13 0	
32s „	„	20 8 0	23 3 0	
36s „	1300	22 14 0	25 15 6	
40s „	„	23 15 0	27 5 0	
40s Foreign Africa	1600	42 13 0	46 3 0	
42s „	„	43 3 0	46 11 6	
44s „	„	43 9 0	47 4 0	
40s Foreign Califor-				
ian Min. 1-1/16"Sta-				
ple	„	35 15 6	39 5 6	
42s do.	„	36 5 6	39 14 0	
44s do.	„	36 11 6	40 6 6	

	Rs. A. P.	Rs. A. P.	100s Foreign Egyptian			
60s Foreign			Karnak Maarad Superior			
Giza 30 and 1800 Other			2000 Combed	93	6	0
Carded	56	4	4s to 9s Mixed Yarn	6	9	0
60s Equivalent 2000			10s to 20s „ „	9	12	0
Cottons Combed	62	0	22s to 30s „ „	10	9	0
60s Foreign Egyptian			32s to 40s „ „	17	13	6
Karnak Menoufi 2000			42s to 50s „ „	20	3	0
Carded	63	14	52s to 60s „ „	29	4	6
60s „ „ 2200 Combed	70	11	62s to 80s „ „	35	0	0
80s „ „ 1800 Carded	68	15	82s to 100s „ „	42	7	0
80s „ „ 2000 Combed	75	12	Note: For other items for other markets			
	Rs. A. P.	Rs. A. P.	prices on application.			

Foremost in Food Front is DPF Pumps

LEO V. SIROMONEY

Madras,
24th Sept. '52

THE POWER,

296, Lingha Chetty St.,
Madras-1.

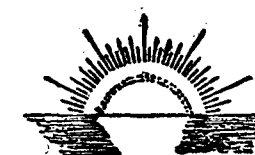
Dear Sirs,

I acknowledge receipt of your letter dated 20th September 1952 enclosing your cheque for Rs. 3-3-0 towards the prize money of Power's Puzzle No. 1 and thank you for the same.

Yours faithfully,

(Sd.) LEO V. SIROMONEY

P. S. It is my sincere wish that this Power's Puzzle Competition should prosper in leaps and bounds.



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Rs. 25/-

Official Solution.

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HAIR OIL 2
SCENT
FACE POWDER
JEWEL 1



POWER'S PUZZLE No. 2

LIST OF PRIZE WINNERS

I. All Correct Solution:

Rs. 10-13-9 each.

1. Srimathi Jayammal, Nellikuppam. 2. T. Gopi, Saidapet (N.A. Dt.) 3. S. Rajalakshmi, Quilon. 4. G. Narasimhan, Madras. 5. K. Satyanarayana, Rajahmundry. 6. N. Sambasivan, Tambaram. 7. S. Nageswaran, Mylapore. 8. A. Rahiman Khan, Washermenpet. 9. R. Krishnankutty, Ottapalam. 10. Raman & Co., Bellary. 11. K. G. Manorama, Egmore. 12. R. Sankarammal, Madras-21. 13. K. Natesan, Bangalore. 14. R. Seshagiri Rao, Cocanada. 15. V. M. Vasudevan, Washermenpet. 16. N. Elumalai, Villivakkam. 17. C. Padmanaban, Korukkupet. 18. S.M. Abdul Rahim, Perambur. 19. Zaibunnisa Begum, Washermenpet. 20. C. R. Dhandapani, Perambur Barracks. 21. R. Ramalingam, Madras-21. 22. V. Sivarman, Washermenpet. 23. K. Dilli Bacha Mudaliar, Thiruvallur.

* * *

II. One Error Solution:

Rs. 6-10-6 each.

1. M. Sandana Mary, Vaideeswarankoil. 2. T. Leelavathy Ammal, Madras-21. 3. M. S.



Certified that the following is a true copy of the solution of Puzzle No. 2 of "POWER'S PUZZLE" lodged with the Bank on 10-8-'52, and opened in the presence of the Bank's Officials on 29-9-'52.

1. D. C.
2. RALLIS.
3. BOOK.
4. HEALTH.
5. ROT.

(Sd.) R. RAMAKRISHNAN,
Accountant,
BHARATHA LAKSHMI BANK LTD.,
Madras-1.
2-9-'52.

Ramadoss, Madurantakam. 4. R. K. Vasu, Vepery. 5. S. Venugopal Naidu, Sothupakkam. 6. R. Shanmuga Sundaram Mudaliar, Sankarankoil. 8. M. R. Veerappa Chettiar, Tenkasi. 9. A. K. Shahul Hamid, Kadaiyanallur. 10. M. Krishnamurthy Mudaliar, Conjeevaram. 11. V. L. Narasimhan, Madras-1. 12. K. V. Rajen, Madras-1. 13. A. Shanmugam, Madras-21. 14. M. Thimmappa, Coorg. 15. L. Jhanganian, Madras-1.

COMPETITION CORNER -

Power's Puzzle No. 4

1. The following entry form or forms to be used.
2. Fill up each dash with one apt letter.
3. Address entries to **THE POWER, 296, Lingha Chetty St., Madras-1.**
4. For rules and conditions see the reverse.

FIRST PRIZE RS. 250/-

RUNNERS UP RS. 100/-

Entry fee : as. 4 per entry.

Closing Date : 4 P. M., Saturday the 29th
November, 1952.

The official solution and the prize list will be published in the December '52 issue of the MADRAS MARKET section of THE POWER.

(Cut here) (Entry form for Power's Puzzle No. 4) (Cut here)

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

1. -- EST ...A best company
2. -- OINT ...A word frequently used by engineers.
3. WI - E ...You acquire this knowledge by reading Shakespere.
4. LA - S ...They are lovely.
5. -- RAVE ...Doctor often has to be this.
6. -- OWER ...A Tractor operates with this.
7. -- ACT ...A lawyer cannot disregard this.
8. -- USSY ...A lady cannot afford to be this.

1. -- EST ...A best company
2. -- OINT ...A word frequently used by engineers.
3. WI - E ...You acquire this knowledge by reading Shakespere.
4. LA - S ...They are lovely.
5. -- RAVE ...Doctor often has to be this.
6. -- OWER ...A Tractor operates with this.
7. -- ACT ...A lawyer cannot disregard this.
8. -- USSY ...A lady cannot afford to be this.

CLUES: Best, Point or Joint, Wise or Wide, Lads or Laps Brave or Grave, Power or Mower, Tact or Fact, Pussy or Fussy or Hussy.

I agree to abide by the competition rules & Conditions.

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

Full Address _____

Date _____

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

(Cut here)

For Prize winners' list in Powers' Puzzle, see MADRAS MARKETS section of "THE POWER".

RULES & CONDITIONS

1. All entries should be on forms taken from the Power's Supplement or on our blank entry forms. Fill up each dash with one apt letter in ink only. Pencil entries will be disqualified. All entries should be accompanied by M.O. Receipts or Postal Orders. In all cases the Surname and address must be stated on the back of the cover containing entries.

2. Competitors should carefully and legibly write their names, initials and full address in bold letters and in ink only. Entry or entries in one envelope should be for the same competition and bear the same surname. More than one entry by the same competitor may be paid by a single remittance.

3. Entry fees must be sent either by Indian or British postal orders or by money orders. Postal orders should be crossed and made payable to the **POWER 296, Lingha Chetty Street, Madras-1**. Sterling payment should be made at the rate of 1 sh 6d per rupee. No other forms of remittances will be accepted and the concerned entries will be disqualified. No responsibility will be accepted for entries lost, mislaid or delayed or any irregularity. Entries received after the closing date will be disqualified. Entry fees in respect of disqualified entries will not be refunded nor will they be adjusted towards subsequent competition.

4. The official Key solution will be deposited with the **Bharatha Lakshmi Bank Ltd., Madras** before the 10th of every month in a sealed cover and a certified copy of the name will be published along with the name or

names of the prize winners in the succeeding issue of the Power's Supplement.

5. In case of more than one All correct Entry which agrees with the official Key solution, the first prize will be equally divided among such correct entries. In the event of no solution agreeing exactly with the official key solution, the first prize will be awarded or will be distributed among such entries which are nearest to the official solution. In such cases the editor's decision is final. The same rules will apply to the case of Runners-up also. No competitor can get more than one prize in a competition.

6. Any scrutiny claim may be made by registered post only by any competitor within 7 days from the date of publication of the prize list in the Power's Supplement on a payment of scrutiny fees of Rs. 3/- which should be by M.O. or postal order to the Power.

7. The competitor is bound by the relevant rules and conditions of the competition. All legal disputes if any regarding the competition shall lie in the jurisdiction of the Madras city courts only. Any claim for a prize money under the competition should be made in writing within 15 days after the publication of the prize list of the competition. In no case shall a claim for a prize be made after expiration of three months from the date of publication of the prize-list.

8. Employees of the Power are debarred from taking part in this competition.

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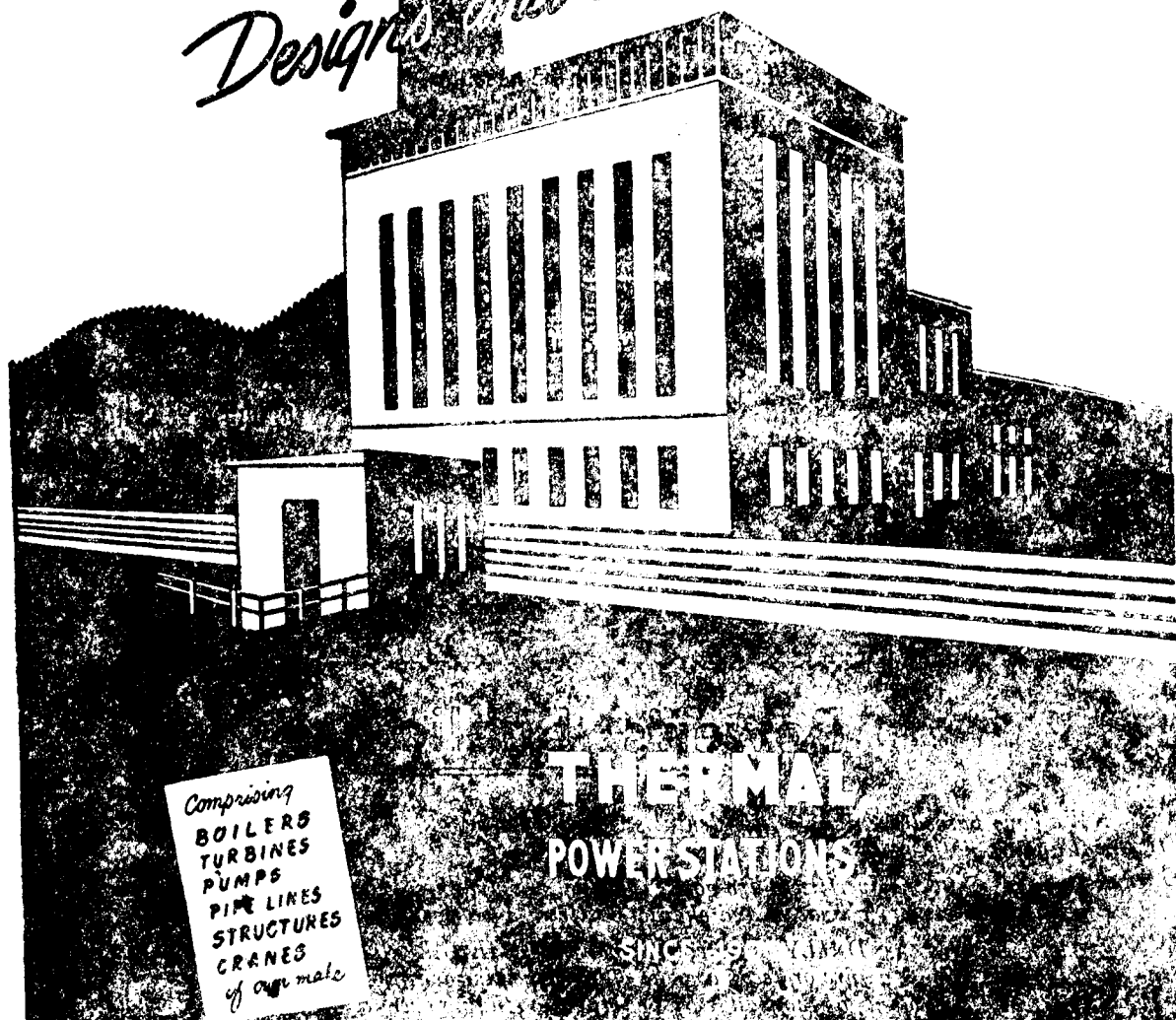
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