News of the Scientific World.

The modern power station is a product of the coincident development of the high-speed dynamo and alternator and of the new steam engine. In lectures to the London Royal Institution, Gerald Storey has been reviewing the remarkable progress of the steam turbine, and he points out that no reciprocating engine of large size is now being put down either in England or on the continent. The first practical steam-turbine was the one of 10 horse-power built by Parsons in 1884. Several turbo-alternators of 120 horse-power were supplied in 1888, and were used for electric lighting stations. The compound steam turbine was adapted to work with a condenser in 1892. The first condensing turbine was of 150 horse-power, driving a 100-kilowatt alternator 4,800 revolutions a minute, and this proved so economical a heat engine as to mark a new era. Return from the radical flow to the parallel flow type was made in 1894, with improvements in detail that increased efficiency and lessened cost. Large sizes were made, turbo-generators were supplied to Germany and in late years the demand for the Parson's steam turbine has increased by bounds, until about 2,500,000 horse-power on land are used and ordered. For the marine steam turbine, first used on a passenger vessel in 1901, rapid progress is at hand, as well.

For propelling canal barges, R. W. Thom, of Southport, Eng., would use internal combustion engines fed with coal gas carried compressed in cylinders. Tests have shown numerous advantages, and the engines and storage cylinders are only half as heavy as steam engines of like power, and occupy much less space.

The new electrotyping process of Eherard-Copwer-Coles claims greater rapadity and increased sharpness of duplication. By the usual method, a wax impression of the type-form is taken in a special press, the wax mold —first coated with graphite—receives a deposit of copper of suitable thickness in an electrolytic bath, and the copper is stripped from the wax and backed with soft metal. Fine detail is lost through the filling up with wax of minute lines and dots. The improved way consists in taking the impression upon the backing, which is made up of a sheet of pure soft lead riveted to another lead sheet with a sheet of rubber between, and then applying the copper facing directly by the electrolytic method. The soft lead, squeezed into the original printing surface by strong pressure, such as that of a hydraulic press, has cohesiveness to retain the finest detail, like that of a copper half-tone plate.

Testing animal origins or kinships by similarities of blood analyses, as suggested by Prof. Nuttall, the English biologist, is bringing novel ideas into zoology. It shows that the hippopotamus is a pig, and the walrus a horse, and confirms the long recognized relationship between birds and reptiles. But it does not connect man with monkeys, and traces only slight kinship with the anthropoids.

The view that some houses, or some parts of a town, may be cancer-infected seems to be supported by evidence collected by Dr. Fillaissier, a French physician. One of the accused houses has been recorded at Vouziers, and in this building, between 1870 and 1875, a man, his wife, father-in-law and servant died of cancer of different parts of the body. In one town, in 1890, a street 500 feet long had 21 cases in 17 of its 54 houses. In the little community of Saint Sylvester, Cormeilles, between 1880 and 1887, there were 11 fatal cases, eight of the stomach, and the water supply was suspected as the source. A cancer epidemic of Oyonnax, a town of 500 houses and 4,500 inhabitants, was traced to the advent of a cancerous woman lodger in 1886. She died in 1887, and two lodgers in the same house developed the disease in 1888 and 1890, and two neighbors accustomed to drink from a stream into which the first woman's soiled dressings had been thrown also became infected. In 1892 the town was having three or four new cases yearly.

A novel wind indicator, designed for clubs, hotels and other buildings where people congregate, gives the direction of the wind at any time of day or night from one or more places within the building. A contact-piece revolving with the vane makes contact at 16 points in the revolution. At each contact a wire forms a circuit with one of the 16 lamps, arranged in the circle of the in-door indicator, and while the circuit from any one of the contacts is complete, the lamp of the corresponding point of the compass is lighted. An electric battery of two volts is sufficient.

A simple new device aims to add further power and efficiency to the incandescent gas light. The little apparatus is operated by electric current generated by the waste heat of the lamp, and acts by compressing the gas at the burner instead of depending upon the uncertain high pressure from a distant station. It is claimed that thorough test has demonstrated the usefulness of this novel compressor.

Great pressure is used in manufacturing the new shingles of asbestos fiber and Potland cement, and they absorb only 5 per cent of their weight of water. Hydration and gradual crystallization on exposure on roofs make them absolutely impermeable.

Gay World Condemns Fa

The Empire and the Directoire gown having come to stay, fatness is de trop—that is to say "not in it." Fat ladies are threatened with being wiped off the map.

There is one loop-hole of escape, however, for the overfat lady. Let her get one of the large cases of Marmola Prescription Tablets, and take one after each meal and at bedtime, and pretty soon she will notice she will be wearing the new mode with satisfaction to herself and the consternation of her dear enemies.

These cases of Marmola Prescription Tablets, which, by the way, being made strictly in accordance with the famous Marmola Prescription, are perfectly harmless, contain such a generous quantity of tablets that they last a long time and are found to be most economical, costing, as they do, only 75 cents. They are also a very pleasant method to adopt, for they render dieting and exercising entirely unnecessary. All druggists keep them, or they may be obtained from the Marmola Company, Detroit, Mich.

No Space For Idle Speech

Freed Furniture & Carpet Co.

PRICES TALK

Freed Furniture & Carpet Co.

No. 10209—Arm Rocker, large, and roomy, 18 seat, nicely carved top, regular $2.75, next week $1.45

No. 10223—Arm Rocker, 20½-inch wood seat, T bolted fasteners, flat spindle back, very large size, regular $3.50, next week $1.80

No. 1362—Brace Arm Rocker, T bolted fasteners, flat spindle back, a comfortable sewing or nurse rocker, regular $1.75 next week $1.10

No. 01286—Arm Rocker, quarter sawed oak or mahogany, high polish, with large, comfortable back, suitable for Parlor or Dining Room, regular $7.50, next week..... $4.50

No. 1012—Chair, standard size diner, wood seat, T bolt fastening, flat spindle back, regular $1.35, next week 75c

No. 1045—Chair. Large high back Diner, carved top, flat spindle back, T bolt fastening, regular $1.75, next week $1.00

No. 08774 — Chair. Quarter sawed grained oak, highly polished finish, cane seat, up-to-date style, regular $2.75, next week ..... $[illegible]

No. 0125—Bedroom Chair. High grade article, quarter sawed oak, cane seat, piano polish, also in Birdseye mahogany, regular $5.50, next week $3.35

No. 09180—Low Rocker, up-to-date designs, suitable for sewing or nursing, high back and very comfortable, regular $3.50, next week $3.10

No. 09252—Willow Arm Rocker, full roll, strongly built, all comfort, regular $5.00, next week $2.85

No. 0102—Music Cabinet. Quarter sawed or mahogany, piano polish, with 4 adjustable shelves, 17 inches wide, 36 inches high, 14 inches deep, regular $10.00, next week $5.85

No. 0107—Music Cabinet, large size, in mahogany finish, piano polish, 18½ inches wide, 14 inches deep, 39 inches high, 1 drawer, 4 adjustable shelves, regular $15.50, next week $9.20

No. 1312—Ladies' Birdseye Desk, with shaped French legs, nicely arranged regular $12.50, next week..... $6.75 interior, 1 large drawer,

No. 0914—Ladies' Desk, weathered oak, heavy mission style, a complete interior, large drawer, regular $18.50, next week $10.45

No. 049—Center Table, round top, high-grade standard make, best polish, quarter sawed oak, handsome Article, regular $4.50, next week..... $7.35 week ....

No. 071—Center Table, 24-inch square top, standard size for bedroom, quarter sawed oak finish, regular $2.50, next week $1.30

No. 0334—Library Table, quarter sawed oak, piano polish, 28x42 top, elegant style, regular $20.00, next week $11.90

No. 0239—Center Table, piano polished quarter sawed oak or mahogany, French legs, a beautiful parlor table, regular $10.00. Next week $5.70

No. 056—Dresser, Princess style, 18x36 French bevel pattern plate mirror, 21-28 top, highly polished, neat design, regular $35.00, next week $20.50

No. 0713—Dresser, French pattern plate mirror, 29x40 top, 3 large drawers, regular $15.50, next week $10.20

No. 07170—Dresser, quarter sawed oak finish, French bevel pattern plate new style mirror, 4 drawers, regular $20.00, next week $12.00

No. 0200—Hall Mirror, 16x16 French plate, with 4 double arm Hattree hooks, 3-inch heavy polished oak frame, regular $6.50, next week $4.20

12x12, regular $4.25, next week $2.50

No. 0215—Hill Mirror, oval French bevel 12x12 mirror, with fancy Hattree hooks, regular $9.00, next week $5.85

No. O6784—Chased leather Rocker, over-stuffer, large and cosy, regular $35.00, next week $21.00

A Real Brass Bed, the best values ever offered. The pillars are two inches thick, which means the heaviest post used in highest priced articles. It's made of the best brass and the best lacquer and will not tarnish $16.75

Standard Make Steel Couch with Mattress, complete on your floor, regular $12.25, this week . . . . . $8·75

Carpets, Rugs and Mattings

Complete on your floor---sewed, lined and laid.

Fiber mattings, pretty designs, 50c	37½c
Fiber mattings, Oriental designs, 60c	45c
Fiber mattings, heaviest grade, 70c	55c
Ingrain carpet, heavy union, 70c	50c
Ingrain carpet, heaviest all-wool filling, 85c	65c
Ingrain carpet, heaviest all-wool 95c	75c
Brussels carpet, neat up-to-date designs, $1.00	75c
Brussels carpet, nice wire, standard make, $1.10	82½c
Brussels carpet, 10-wire, standard make, $1.35	$1.00
Velvet, elegant bedroom, hall and plain designs, $1.25	85c
Velvet, solid color, red, green, new effect, $1.35	95c
Velvets, several pretty designs in light color, $1.45	$1.05
Velvets, high-grade standard make, $1.45	$1.15
Velvets, highest grade, heaviest pile fabric, $1.50	$1.20
Body Brussels, full 5-frame standard make, regular $1.75	$1.35
Body Brussels, highest grade, standard make, regular $2.00	$1.45
Axminster carpets, pretty, light colors, and up-to-date designs, regular $1.50	$1.15
Axminster carpets, heavy pile, $1.75	$1.30
Lavonnerles, standard make, $2.00	$1.40
Regular Axminsters, highest grove, regular $2.25	$1.65
Wilton carpets, eight patterns, suitable for libraries, offices and reception rooms, regular $1.90	$1.45
Wilton carpets, suitable for parlor, drawing room and library ,regular $2.00	$1.50

RUGS

9x12 Brussels, bright, cheery designs, regular $20.00; goes	$14.00
9x12 Brussels, elegant up-to-date designs, regular $22.50	$15.50
9x12 Velvets, eight winning patterns, every one good, regular $27.50	$18.50
9x12 Axminsters, Oriental and flower designs, regular $35.00	$24.00
9x12 Axminsters, conventional design, heavy fabric, $37.50	$26.00
9x12 Axminster, Bigelow make, regular $50.00, at	$35.00
9x12 Axminster, Bigelow Imperial, $55.00, at	$40.00
9x12 Wilton, twenty elegant patterns, regular $50.00, at	$36.50
9x12 Wilton, new up-to-date patterns, regular $45.00	$31.50
9x12 Wilton, French, most exquisite designs, $75.00, at	$51.50
9x12 Persian Wilton, rich subdued colorings, $85.00, at	$60.00

JUTE ART SQUARES

Large stock of 8.3x10.6, in all qualities, sold at accordingly low proportion.

9x9, eight patterns, regular $5.50	$3.45
9x10, eleven patterns, regular $6.25	$4.00
9x12, fifteen patterns, regular $7.25	$4.65

No. 0682—Weather Oak and Leather seat Rocker, very comfortable, regular $11.00, next week..... $6.70

No. 08916—Weather Oak Arm Chair, leather seat, suitable for drawing room or parlor, very large 21-inch leather seat, regular $13.75, next week $7.50

No. 0895—Morris Chair, quarter sawed finished frame, fancy frame, good quality velour cushing, standard size, Mission style, regular $11.50, next week $7.50

No. 01126—Morris Chair, quarter sawed oak, piano polish, built to last forever, attractive style, Imperial Velour cushion, regular $15.00, next week $9.75

No.0534—Rocker large arm size, head, seat and back quarter sawed, piano polish, regular $17.50, next week $10.50

No. 03590—5-piece Parlor Suite; 1 sofa, 1 arm chair, 1 rocker, 2 parlor chairs, fancy frame, upholstered in new up-to-date fancy velour, regular $35.00, next week $21.90

No. 07743—3-piece Parlor Suite, mahogany finish, new, up-to-date style frame, attractive green black velour, embossed, regular $22.50 next week $12.75

No. 0288½—Extension Table, pedestal leg, round top, solid oak, pretty grained piano polish, high grade, regular $25.00, next week..... $15.75

No. 0227½—Extension Table, 6 feet, round top, sold oak, piano polish, 45-inch top, regular $22.50, next week $12.50

No. 0144½—Extension Table, 8 feet, solid oak, square top, claw feet, 45 inch top, regular $22.50. next week $12.75

No. 02280—Extension Table solid oak, 42-inch square top, heavy legs, splendid style, regular $15.50, next week $9.20

Plate Racks, Medicine Cabinets, Clock Shelves, all reduced in price, in oak, mahogany, etc.

25% discount

No. 1050—Hall Tree quarter sawed oak, piano polish, 10x14 French plate beveled mirror, 78-inch. high, with umbrella rack, regular $13.50, next week..... $8.25

No. 0101—Couch, covered in nice design of Velour, any color desired, good, standard size, ringed, regular $12.50, next week..... $7.25

No. 0123—Couch, covered in high grade Velour, Imperial edge, sawed oak frame, steel construction, regular $16.50, next week.... $10.75

No. 08478—Couch, Chased and Leather, 30 inches wide, full standard width and length, attractive solid oak frame, Karpen guaranteed construction, regular $25.00, next week..... $13.85

Iron Beds

No. 6040—Iron Bed, regular $3.50, at	$2.45
No. 6030—Iron Bed, regular $3.75, at	$2.60
No. 4950—Iron Bed, regular $4.50, at	$3.15
No. 5010—Iron Bed, regular $5.00, at	$3.35
No. 5020—Iron Bed, regular $6.75, at	$3.95
No. 6320—Iron Bed, regular $7.25, at	$5.15
No. 5290—Iron Bed, regular $8.50, at	$5.85
No. 6600—Iron Bed, regular $10.00, at	$6.65
No. 6410—Iron Bed, regular $12.50, at	$7.90
No. 5590—Iron Bed, regular $13.50, at	$8.55
No. 5630—Iron Bed, regular $15.00, at	$9.45

Kitchen Cabinets

No. 2990—Regular price $5.75, at	$5.65
No. 20—Regular price $8.00 at	$6.25

The above are supplied with flour bin, drawers and pastry boards.

No. 040—Extension Table, 6 feet long, solid oak, a very strong and neat style article, regular $10.00, next week $5.85

Dinner Sets in sets of 100, 112 and 56 pieces, sold in sets or open stock patterns, discount—

33⅓ %

No. 08—Costumer, in oak, 6 hat and coat hooks, 5 feet 2 inches high, next week..... 95c

Screens in Weathered and Plain Oak frames go at

25 %

Discount next week.

Pictures, largest assortment ever shown in our establishment, new, up-to-date novelty, framed—

25% discount

Lace Tapestry Curtains and Couch Covers All Go At One-Third Off

FREED FURNITURE & CARPET CO.

18-20-22-24-26-28-30-32-34-36-38-40 EAST THIRD SOUTH STREET