

Rungs in the Ladder of Success

Would You Be a Mechanical Draftsman?

The mechanical draftsman is the hardest working man that bends above a drawing board, and his knowledge must be encyclopedic in scope and thoroughness.

A good designer cannot know too much. Take the case, for instance, of one with a firm making a line of special machinery or models to illustrate some inventor's "idea."

He should possess the equivalent of four years' technical training or be a graduate in mechanical engineering. This will give him a working knowledge of dynamics, kinematics, strength of materials, linkage, thermodynamics, hydraulics, etc., and most important of all, mathematics.

A good designer considers how every piece going into the machine will be made and whether his own shop possesses the necessary tools for making the same.

Street stock, structural steel, or tubing may enter into the makeup of a machine. Glass, rubber, cloth, sapphires, and even diamonds are to be found in some of them.

Simplicity must not be lost sight of and the number of parts reduced to a minimum. For example, in the original twin binder the knot tying device had about sixty pieces. This has been reduced to six, and the relative cost of the two is obvious.

The automobile is a good illustration of a machine requiring an all-round designer. He should know gas engines in all their details, radiation which involves thermodynamics, chemistry to understand the combustion.

Any machine is a compromise at best, but in good design these compromises are so evenly balanced, proportioned, and harmonized or interwoven that the appearance and operation are good and the "place where he crawled out" cannot be located.

He, too, should know shop and shop practice. Some excellent detailers have come from the shop itself and by taking a course in drafting while working have perfected themselves for this work.

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Taking it all in all, the mechanical draftsman's work is difficult, and good ones are scarce.

ROYAL ROMANCE.

An Intimate Account of the Courtship and Marriage of the Young King of Spain.

"Most of us marry because it's convenient; Alfonso and Ena are marrying because it is inconvenient," was the epigram which Princess Victoria made on the occasion of King Alfonso's wedding.

The American Manufacturing System. The cheapest product is a uniform one, and hence all works proceed, as far as possible, upon certain average demands, or sometimes merely forms of minimum cost which have to be taken in default of anything better available.

There is a constant tendency toward the production of types modified so as slightly to cheapen construction even at a considerable sacrifice of competence; or, more serious still, manufactures which are cheapened by designs which cure repairs and renews extremely machine methods works magnificently.

LURED TO HOUSE BY THUGS. Philadelphia, Aug. 25.—Obtaining possession of an unoccupied house at No. 623 North Sixteenth street today was taken into consideration. Some rare cases have happened where machine parts had to be transported.

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IMP OF INDIGESTION. How to Get the Bitter of This Cause of Misery. A scientific writer upon stomach troubles says: "If you have ever suffered from indigestion—and who has not?"

AGED ELOPER KILLS HIMSELF. Hotel Proprietor, Sued for Heavy Damages. A Suicide. Washington, N. J., Aug. 25.—Jeremiah Thomas, sixty years old, a well-known whiskey agent of this place, and who was until recently proprietor of the only hotel in sending a bullet committed suicide in the barn connected with his ranch.

Open a Box for the Children

Leave it where they can reach it. Watch them gain in weight. Watch their cheeks grow ruddy with health and life.

Uneda Biscuit

are the only Soda Crackers—the most nutritious food made from wheat, therefore the most wholesome food for children.

5¢ In a dust tight, moisture proof package.

NATIONAL BISCUIT COMPANY

LOVE LEADS TO ARREST.

Boy Charged With Stealing Jewelry Returns to America and is Arrested. New York, Aug. 25.—Locked up at the police headquarters tonight is a romantic prisoner, Louis Mochorosky, a youth charged with the larceny of \$5,000 worth of diamonds several months ago.

DEAD MAN ON THE PILOT. Carried 15 Miles from Where he and Companions Were Killed. New Haven, Aug. 25.—When the express from Boston came into this city last night the dead body of a man was riding on the pilot of the engine.

LUCKIEST MAN IN ARKANSAS. "I'm the luckiest man in Arkansas," writes H. L. Stanley, of Bruno, "since the restoration of my wife's health after five years of continuous coughing and bleeding from the lungs."

PAYS 11 1-2 PER CENT

A store and 5-room cottage in busy part of Charlotte are for sale \$1,800. They rent for \$4.00 a week which is 1 1/2 per cent of price.

DRIVER DROWNED.

Negro Drives Into Swollen Stream and Perishes in the Flood. Warrenton, N. C., Aug. 25.—Jesse Hall, a well known colored man, of this community, was drowned Thursday evening in a swollen stream. Uncle Jesse was driver for J. S. Plummer's heavy stable at Norlina.

DISLIKE ALL-NIGHT BANK.

Baltimore Firms May Throw Obstacles in the Way of New Institution. Baltimore, Aug. 25.—The date for the all-night opening of the Third National Bank has been changed from Sept. 1, to Sept. 14, on account of the first falling on Saturday.

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GUT GLASS

A SPLENDID NEW SHOWING OF RARE, GRACEFUL PIECES OF DEEP, BRILLIANT CUTTING.

The Palamountain Co. JEWELERS.

BICYCLES!

1906 MODEL

SEE US FOR PRICES

Relay Mfg Co., 214 South Tryon Street.

COMMISSIONER'S SALE OF VALUABLE REAL ESTATE ON PROVIDENCE ROAD.

By virtue of an order of the Clerk of the Superior Court of Mecklenburg county, North Carolina, in a special proceeding entitled "F. Marion Redd, administrator of W. L. Pharr, deceased, against Sarah Lila Pharr, heir-at-law," I will sell at the highest bidder at public auction at the court house

1st Lot. Fronting 200 feet on the northeast side of the Providence Road, beginning at a stake on edge of said road, 200 feet from the corner of the J. S. Myer's land, and running with said roads 31 1-4 E. 200 feet to an iron stake on the edge of road; thence N. 58 3-4 E. 420 feet to an iron stake, thence N. 45 1-4 W. 207 feet to an iron stake, thence S. 58 3-4 W. 323 feet to the beginning, containing One and 59-100 acres.

2nd Lot. Fronting 200 feet on the northeast side of Providence road, beginning at corner of lot No. 1 at iron stake on edge of said road, and running with said road S. 31 1-4 E. 200 feet to an iron stake on edge of road, thence N. 58 3-4 E. 420 feet to an iron stake, thence N. 45 1-4 W. 207 feet to an iron stake, thence S. 58 3-4 W. 323 feet to the beginning, containing One and 59-100 acres.

3rd Lot. Fronting 200 feet on the northeast side of Providence road, beginning at corner of lot No. 2 at iron stake on edge of said road, and running with said road S. 31 1-4 E. 200 feet to an iron stake on edge of road, thence N. 58 3-4 E. 420 feet to an iron stake, thence N. 45 1-4 W. 207 feet to an iron stake, thence S. 58 3-4 W. 323 feet to the beginning, containing Two and 4-100 acres.

4th Lot. Fronting 200 feet on the northeast side of the Providence road, beginning at corner of lot No. 3 at iron stake on edge of said road, and running with said road S. 31 1-4 E. 200 feet to an iron stake, thence N. 45 1-4 W. 207 feet to an iron stake, thence S. 58 3-4 W. 470 feet to the beginning, containing Two and 26-100 acres.

Also a small triangular tract, containing about One Hundred or Two Hundred Square feet, more or less, adjoining the lands of W. H. Wakefield, on the southeast side of Providence road.

The terms of the sale will be one-half cash, and the balance on six months, upon approved security.

This 15th day of August, 1906.

F. MARION REDD, Commissioner.

8-15-tds

Norfolk & Western R'y

Schedule in Effect May 27, 1906.

Through Trains Daily, Charlotte and North South. Lv. Charlotte, So. Ry. 11:00 a.m. Lv. Winston, N. & W. Ry. 2:40 p.m. Lv. Martinsville 6:20 p.m. Lv. Rocky Mount 8:25 p.m. Ar. Roanoke 11:25 p.m.

Connects at Roanoke, via Shenandoah Valley Route for Natural Bridge, Luray, Hagerstown, and all points in Pennsylvania and New York. Pullman sleeper, Roanoke to Philadelphia.

Special Low Rates Via Southern Railway. On account of the Homecoming of Wm J. Bryan, New York, N. Y., August 30th, 1906, the Southern Railway will sell tickets to New York and return at exceptionally low rates.

The following rates will apply from points named, Charlotte \$20.50, Salisbury \$19.10, Statesville \$19.50, Hickory \$21.00, Greensboro \$17.50, Winston-Salem \$18.35, Durham \$17.50, Raleigh \$17.50. Approximately low rates from other points.

Meeting Patriarchs Militant and Sovereign Grand Lodge I. O. O. F. Toronto, Canada, Sept. 15th-22nd, 1906.

Rates Via Seaboard Air Line. The Seaboard Air Line begs to announce that they will sell round trip tickets Toronto, Canada, and for the above meeting on Sept. 12, 13, 14, and 15th. Route No. 1, via Richmond to Washington, Buffalo and Grand Trunk Ry. \$25.85.

FOR SALE. A very desirable dwelling located on North Tryon Street four blocks from center of the city.

R. E. COCHRANE

FILES AND MANTLES. We have an assortment of most pleasing and artistic designs.

J. N. McCausland & Co. South Tryon St.

Men's, Women's and Children's Oxfords at a great sacrifice price.

Foreman & Miller CASH SHOE BUILDERS Corner Trade and College Sts.

Sherrill Mineral Water. puts red roses on pale people's faces, because the elements in it makes rich, red blood.

Hudnut's Talcum Powder. TOILET WATERS, COLD CREAM, ALMOND MEAL, NAIL ENAMEL, CUCUMBER CREAM AND PERFUMES.

TRYON DRUG CO. Sub. P. O. in Store. Stamps, Money Orders. Phone 21. 7 N. Tryon St.

EVERY prospective tenant in Charlotte reads The News To Rent ads daily.

SOUTHERN RAILWAY

N. B.—Following schedule figures published only as information and are not guaranteed.

3:30 a. m. No. 8 daily for Richmond and local points, connects at Greensboro for Winston-Salem, Raleigh, Goldsboro, and at Statesville for Danville for Norfolk.

5:45 a. m. No. 27 daily for Rock Hill, Chester, Columbia, and local stations.

5:30 a. m. No. 16, daily except Sunday for Statesville, Taylorsville and local points; connects at Mooresville for Winston-Salem and at Statesville for Hickory, Lenoir, Blowing Rock, Asheville and points west.

7:15 a. m. No. 28 daily, New York and Atlanta Express, Pullman Sleepers to Columbus, Ga., and day coaches to Atlanta. Close connections, Low Spartanburg for Hendersonville and Asheville.

8:35 a. m. No. 33, daily, New York and Florida Express, Pullman Sleepers, Pullman observation car, New York to Maccom, dining car service; solid Pullman train.

10:05 a. m. No. 30 daily for Washington and all points North, Pullman sleepers to Washington. Close connections at Danville for Richmond, Va. Dining car service.

11:00 a. m. No. 28 daily, for Davidson, Mooresville, Barber Junction, and local points; connects at New York for New York and local stations.

12:25 p. m. No. 31 daily, for Atlanta and local stations; connects at Spartanburg for Hendersonville and Asheville.

3:00 p. m. No. 25 daily except Sunday, freight and passenger, for Chesapeake and local points.

7:00 p. m. No. 24 daily, for Richmond and local stations, connects at Greensboro for Goldsboro, Pullman sleeper, Greensboro to Raleigh, Charlotte to New York, and Charlotte to Norfolk.

7:15 p. m. No. 24, daily except Sunday for Taylorsville and local stations; connects at Statesville for Asheville, Knoxville, Chattanooga and Memphis.

8:30 p. m. No. 29, daily, Washington and all points North, Pullman sleepers from Jacksonville via Washington, and Southwestern Limited for Washington and all points North, Pullman sleepers and Pullman observation car to New York. Dining car service. Solid Pullman train.

10:35 p. m. No. 24 daily, New York and all points North, Pullman sleepers from Jacksonville via Washington, and Southwestern Limited for Washington and all points North, Pullman sleepers and Pullman observation car to New York. Dining car service. Solid Pullman train.

10:45 p. m. No. 40 daily, for Washington and all points North, Pullman sleepers to Washington. First-class day coaches Atlanta to Washington.

10:55 p. m. No. 35 daily, U. S. Post Mail for Atlanta and points north, Pullman sleepers to Mobile and Birmingham.

11:00 p. m. No. 23, daily, Washington and all points North, Pullman sleepers from Jacksonville via Washington, and Southwestern Limited for Washington and all points North, Pullman sleepers and Pullman observation car to New York. Dining car service. Solid Pullman train.

11:05 p. m. No. 40 daily, for Washington and all points North, Pullman sleepers to Washington. First-class day coaches Atlanta to Washington.

11:15 p. m. No. 35 daily, U. S. Post Mail for Atlanta and points north, Pullman sleepers to Mobile and Birmingham.

11:20 p. m. No. 23, daily, Washington and all points North, Pullman sleepers from Jacksonville via Washington, and Southwestern Limited for Washington and all points North, Pullman sleepers and Pullman observation car to New York. Dining car service. Solid Pullman train.

SEABOARD RAILWAY

Direct line to the principal Cities North, East, South and South-west, schedule taking effect Monday, Sept. 1, 1906.

Tickets for passage on all trains are sold by this Company and accepted by the Passenger and Express Companies, as may be incident to their operations. Care is exercised to give prompt service, but this Company is not responsible for errors or omissions.

Trains leave Charlotte as follows: No. 40 daily at 5:00 a. m., for Monroe, Hamlet and Wilmington without change, connecting at Monroe with No. 132 daily for New York, and at Hamlet with No. 132 for Raleigh, Portsmouth, Norfolk and Steamers for Washington, Baltimore, New York, Boston, and all other points.

No. 45, at 4:45 p. m. daily for Lincoln, Shelby, Rutherfordton and all other stations; connecting at Lincoln with No. 132 for New York, and at Hamlet with No. 132 for Raleigh, Portsmouth, Norfolk and Steamers for Washington, Baltimore, New York, Boston, and all other points.

No. 44 daily at 5:00 p. m. for Monroe, Hamlet, Maxton, Lumberton, and all other stations; connecting at Lincoln with No. 132 for New York, and at Hamlet with No. 132 for Raleigh, Portsmouth, Norfolk and Steamers for Washington, Baltimore, New York, Boston, and all other points.

No. 132 daily at 10:15 a. m. for Lincoln, Shelby, Rutherfordton and all other stations; connecting at Lincoln with No. 44 for New York, and at Hamlet with No. 44 for Raleigh, Portsmouth, Norfolk and Steamers for Washington, Baltimore, New York, Boston, and all other points.

No. 132, 7:05 p. m. daily, for W. Rutherfordton, Shelby, Lincoln, and all other points.

No. 39, 10:45 p. m., daily, for W. Rutherfordton, Shelby, Lincoln, and all other points East, North, South, and West, connecting at Hamlet with No. 132 for New York, and at Hamlet with No. 132 for Raleigh, Portsmouth, Norfolk and Steamers for Washington, Baltimore, New York, Boston, and all other points.

Connections are made at Hamlet with all through trains for points North, South, and West, and at Washington, Portsmouth and Atlanta, and Washington and Jacksonville, and at Jacksonville between Jacksonville and Jacksonville.

For information, time-tables, reservations, or tickets, apply to Ticket Agent or address: JAMES KER, JR., Charlotte, N. C.

EDWARD F. COSTELLO, Charlotte, N. C.

CHAS. B. RYAN, G. F. A., Portsmouth, N. C.

Special Rates Over the Seaboard. To Toronto, Ont., account Patriarchs Militant and Sovereign Grand Lodge, first-class fare plus one dollar for round trip.

For further information as to rates and schedules apply to: C. H. GATTIS, T. P. A., Raleigh, N. C.

JAS. KER, JR., C. P. A., Charlotte, N. C.

License will be due on all Drays, Fish and Oyster Dealers

SEPTEMBER FIRST and must be paid promptly.

W.B. TAYLOR, City Tax Collector