

THREADING NEEDLES.

Edie, daughter, thread my needle. My right is growing poor; The thread has missed the eye...

An Opal Ring.

Leopold Aston, with his happy blonde face and immense fortune, had brought a letter of introduction to D. Sherwood...

A Model Police Chief.

Our three young Americans had been in the meantime introduced in due and ancient form to the police magistrate at Durango...

Unexpected Answer.

Talking to the boys in public meetings is getting to be an art and a science. Billy Ross is a great practical lecturer...

Princess at Work.

The German Crown Prince and his second son, Prince Henry, while snipe-shooting recently near Spandau, turned to with the pleasure to extinguish a fire in the brush wood...

How They Amuse Themselves in the Hudson.

The late ex-President Thomas A. Scott, of the Pennsylvania Railroad, did much to build up this great thoroughfare...

About Some Fish.

In 1875, while sailing south, a dolphin was caught which was of unusual size, some 4 feet 6 inches long. It is exceedingly interesting to examine the stomach of all fish...

A Queer Calling.

A petite lady in a neat, though noticeably plain attire, and carrying an array of books, brushed into an alcove in which a reporter was seated at Mercantile Library Hall...

To Jail He Went.

They give a man a chance out West. In Deadwood, Custer, or any of those Western towns, the spirit of fair play crops out...

The United Latchkeys.

Edward Burke a well meaning citizen of Ohio, lately took into himself a fall daughter of the Blue Grass State for a wife. Unfortunately for him, his pretty spouse was not the mildest-tempered woman living...

NEWS IN BRIEF.

- Guy Fawkes was executed in 1606. -The crown of England is valued at \$24,000. -Germany has \$100,000,000 in silver in circulation. -Cromwell refused the crown of England in 1659. -Berks county hat factories turn out 1,800 dozen a day. -Victor Hugo has a \$300,000 interest in a Brissac bank. -A Broadway milliner has an income of \$30,000 per year. -A Swiss colony is about to settle in Laurel county, Kentucky. -Dice was invented and used extensively in gambling 1500 B. C. -There are now about forty lady students in the Harvard Annex. -Germany has put 2,500 miles of her telegraph system under ground. -The circulation of the national banks now amount to \$32,700,000. -It is said that there are 23,000 female farmers in Great Britain. -The Bank of England was founded in 1694. The capital is \$14,533,000. -Incendiarism has been a capital offense in Scotland since 1878. -The first volume of Gen. Beauregard's history of the war is completed. -The number of miles of telegraph wires in the world is placed at 492,373. -About 3,000,000 copies of the revised Testament have been sold already. -The mileage of telephone wires in the United States is estimated at 60,000 miles. -The resignation of Gen. Melkoff from the Russian army was accepted by the Emperor of Russia. -England manages to keep her spirits on \$50,000,000 worth of liquor annually. -The new Texas Capital will cost \$1,800,000, and will be built by a Detroit architect. -The desert interior of Australia probably affords the hottest climate in the world. -The population of Prussia is the proportion of eleven Protestants to seven Catholics. -More than 35,000,000 pounds of honey are produced and sold in this country annually. -Nebraska has a school population of 141,243, an enrollment of 92,594, with 4,100 teachers. -Since 1860 9,000 divorces have been granted in Italy. Milan being set down for no less than 8,000. -The first normal school on this side of the Atlantic was established at Lexington, Mass., in 1789. -Lord Calhoun was buried in the chapel of Holywell which, strange to say, remains roofless. -Jay Cooke has paid all his creditors in full, and purchased his country seat, Ogdon, near Philadelphia. -In the whole commonwealth of Massachusetts there are 283 women who voted in the last two years. -The gift of the Ancient Order of Hibernians to the Irish land league will amount to about \$25,000. -Since gold was discovered in Australia in 1851, ore to the value of \$1,352,000,000 has been dug out. -Partial records of the live stock interests of Texas show a yearly yield of something over 600,000 head of cattle. -The report of the Maryland Club, the most prominent cricket club in England shows a membership of 2,570. -The Common Council of Boston has appropriated \$18,000 for the celebration of the coming Fourth of July. -Louisiana and Florida are the warmest climates in the United States; Mississippi and Wyoming Territory the coldest. -Mr. Ashmead-Bartlett, otherwise known as the husband of the Baroness Burdett-Coutts, will visit this country in June. -In 1860, 5,361 hands were employed in the manufacture of agricultural machinery. Last year 49,850 were so employed. -The receipts of the Cunard Steamship Company for 1880 were close on \$1,400,000, and the net profits about \$290,000. -The gross value of the manufactured silk products in the United States for the census year 1880 was \$75,250,000. -The total debt of the United States outstanding is now \$4,950,248,433. Do not deduct the cash in the treasury it is \$1,564,072,693. -The Cowpens monument was unveiled at Cowpens, South Carolina, on the 11th of May, in the presence of 23,000 people. -The school fund of South Carolina amounted to \$351,415.50 in 1880. There were 2,973 schools in the State, with 134,000 scholars. -Two Boston Hotels, which last summer paid \$6 a ton for their ice, are this year contracted for their supply at \$2.25 per ton. -The Indian Commissioners contracted with the New York contractor in which he lived when in Paris in 1302. -A company has been formed in Chicago with a capital of \$400,000 to run the 200 horse coaches on the streets of that city. The fare is to be five cents. -Ex-President R. B. Hayes has been elected President of the Board of Trustees of the Green Spring Academy, recently founded at Green Springs, Ohio. -Judge Robertson, the new Collector of the port of New York, is fifty-eight years old. His hair is a gray-white, and he wears a large goatee. His eyes are blue. -The Revolutionary war cost the United States \$135,193,703. Great Britain lost \$50,000 men, incurred a debt of \$100,000,000 and \$500,000,000, and lost her American colonies. -The United Brethren of Christ recently held their eighteenth quadrennial session at Lisbon, Iowa. The denomination has a membership of 100,000, and 3,243 churches.

Who Should Bow First?

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Women as Capitalists.

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Having remarked that telephones transmit along with speech sounds of an unknown origin, the author has undertaken experiments in order to find out if the causes of these sounds are not those which oppose telephonic communication in great distances. To eliminate all possible sources of error, the following arrangement was adopted: A line of twenty meters was laid on the floor of several rooms, all the doors of communication being closed. It was connected at one end to a pair of telephones by means of flexible conductors, designed to arrest all sound waves, and communicate themselves mechanically along the metal to the telephones. The circuit was completed between these conductors by another flexible wire, on the path of which was an insertion pedal, designed to arrest all sound waves, and communicate themselves mechanically without changing at all the nature of the communications between the line and the telephones, and to prove that the sounds heard had an electric origin. The operator was connected by the party on the other end of the line which was not connected, directly or by induction, with any electric generator. He observed that the current produced by the friction of two wires of the same kind or of different metals, and that produced by closing a pressure screw were heard in the telephones. It is easily understood that when suspended, telegraph wires serve for telephonic transmission, this same may occur when much trouble, since these lines are formed of pieces of iron wire connected to each other and to the stretchers by ligatures, more or less perfect, which are in a state of constant agitation. But this cause of failure may be removed by soldering the wires instead of tying them. Unfortunately there is another cause; the currents due to the influence of the vibrations themselves. To verify this hypothesis, the author placed in the circuit, at the end of the line, a telephone, a rod of iron, the meters in length, and connected to the system by supple conductors. This rod was struck sometimes transversely and sometimes longitudinally with a hammer. The sounds occasioned by the blows were distinctly reproduced by the telephones with their peculiar characters. This experiment if repeated with copper or brass rods, gave merely negative results. It seemed that the phenomenon is only produced in an effect of the vibrations occasioned by the wire. Future experiments must decide whether it is due to a molecular change which the metal undergoes or to a peculiar action. If, as it is probable, the vibrations occasioned by the blows upon a rod, it appears difficult to correspond at great distances with the existing means of transmission, still a method has been found of causing the telephones to speak by the aid of electric action so powerful that the currents arising in the line itself cease to be an appreciable cause of disturbance.

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