Mental application does not weaken the brain. It strength- length. In every trial all the pieces (which had been tion of malachite and also of amber. It is made into mouth ens it, if not carried to the length at which wholesome food counted) were found upon the magnets. and plenty of sleep fail to refresh it. Never in any age, said Dr. Agnewin another connection, have man's faculties been oughly have reported that magnets had been placed in the For drumheads it is said to be superior to parchment, as it so taxed as now; and the great problem is for each man to | Pillsbury, Washburn, Arctic, and Holly mills, and used for is not affected by moisture in the atmosphere. do his share of the world's work and keep well. The civili- several days. The opinion of the committee was that the zation of to-day does not call for any faculties that a man wire was chiefly, if not wholly, removed by the magnets, heads of dolls, which can be hammered against a hard floor does not possess; but it calls upon him to use in the best and that by their use the evil attending wire bands can be without danger of fracture. Beautiful jewelry is made of it manner the faculties he has and learn how to bear the strain lessened. The resolution of the millers against wire binding of living.

One of the first and most imperative symptoms that the strain of living is becoming too great is the jaded head, which Dr. Agnew described as one that cannot be depended upon for a long stretch of work, that grows weary prema- through which the wheat is passed. During each revolution cles, eye glasses, and opera glasses. The material is extenturely, that has to be coaxed from the pillow in the morning, and that does not force the work of the day cheerfully. and disconnected from an electric battery. Inside this cylin. tips, and having the appearance of patent leather. By shoe-"There arc more of such heads than might be supposed. They are found in every rank of life; but chiefly among persons of sedentary pursuits and among both sexes and al- and the particles of iron it has picked up drop upon the end- known for emery wheels and knife sharpeners. As a ground toms of the malady is discomfort during headwork in the attractive field here for the exercise of inventive skill. ${\it back} \ {\it of} \ {\it the} \ {\it head} \ {\it and} \ {\it in} \ {\it the} \ {\it upper} \ {\it part} \ {\it of} \ {\it the} \ {\it spinal} \ {\it region}.$ He is a happy man who meets this symptom with rest, and seeks in sunlight and fresh air some fresh investments for his nervous system, and drops every habit that does not do benefits that may arise from new products, whether gleaned enormous proportions. This is the use of celluloid as a subhim positive good. If he takes to artificial stimulants for from the unused stores of nature or created by the skill of stitute for linen or paper in the making of shirt cuffs, collars, relief, he will begin a career which, soon or later, will place him among the incurables or bring him to an untimely end. the compound of cellulose and camphor known as cellu-Alcohol and all sleep-producing drugs are dangerous in the loid. Though scarcely ten years have passed since the highest degree; for they mask the malady, without curing it. No organ in the human body is so abused as the brain, profitably in the arts, and only five years since they began dirty is quickly cleaned by the application of a little soap and no organ is so well fitted for daily use. Still, the brain is not so susceptible to disease as some suppose. It was probable there was not a man present who had not during being made almost daily. the day abused his brain by overwork, anger, tobacco, alcohol, fuss, hurry, too little sleep, too much sleep, by indolence, by not studying to be quiet, by not doing his own ented process. When crude it looks like a transparent business, by attempting to do something beyond his reach, by attempting to do something for which he had not been sufficiently educated, by carrying an evil conscience, or by moulded into every conceivable form. With equal ease it satisfactory, it is thought that they will eventually be sucthe unmanly strain of trying to outdo his neighbor. The can be colored in any tint desired, the dye running through remedy of the jaded head is the giving up of all habits which the entire substance, and being, therefore, ineffaceable. cannot be defended by the highest kind of reasoning; the careful determining of each man of his ability to stand work; large amount of information concerning the manufacture the avoidance of doing anything for which a man has no and use of this material; and wide as the range of its appliadequate education; rest, recreation, and the keeping up of cation has become, the business of preparing the crude ma-i the tissue-building powers by wholesome food."

*** WOMAN THE PRIMITIVE POTTERY-MAKER AND DECORATOR.

printed in the American Naturalist, the author, after copious can buy it unless the producing company decides to give him | The London News reports that the Bank of France has for the gentler sex. Among savages, man is the hunter, fisher, lishment in Center street, this city. and warrior; while the woman takes care of the house and ware the tribe has advanced considerably beyond the savage in the quality of the substance. state

also ornaments them, and if the fictile art has originated with assert that in durability it is much superior to ivory, as it her, and has grown up under her hands, it seems no less sustains hard knocks without injury, and is not discolored with her; and the probability is increased by the fact that organ keys, to the manufacture of which one company is deto her falls the work of spinning and weaving, and of making and decorating personal ornaments and clothes, and of decorative artist, and to-day it is the exception that man ocsquaw as diligently and with as firm a hand traces with a India-rubber are whip, cane, and umbrella handles, every to be driven by a slide valve engine 20 x 30.

The committee appointed to test the matter more thorhas been substantially withdrawn.

The device employed in the tests at St. Paul and Minneapolis was not patented. A patented invention for the same of the cylinder, it is twice, automatically, connected with der an endless apron is run lengthwise. Each time the "circuit" is broken, the cylinder is, for a moment, demagnetized,

APPLICATIONS OF CELLULOID.

the inventor, is furnished by the wide and various utility of

paper and gum camphor, treated with chemicals by a patgum, and its color is a light yellow brown. It can be made as hard as ivory, but is always elastic, and can be readily

A writer for the *Evening Post* has taken pains to collect a to be only in its infancy. According to the Post writer, all the celluloid used is made by a single company, having facto- factory in France. ries at Newark, N. J., who sell the crude material to the par-In an interesting article by the late Professor Hartt, re- ities undertaking the production of finished goods. No one

As a close imitation of ivory, celluloid has made great in-But savage woman not only makes the vessels of clay, she | roads in the business of the ivory manufacturers. Its makers | voted.

pieces for pipes, cigar holders, and musical instruments, and is used as the material of flutes, flageolets, and drumsticks.

As a substitute for porcelain, celluloid is used for the in imitation of the most elaborately carved coral, reproducing all the shades of the genuine article.

One of the large manufacturing companies is employed exclusively in the making of optical goods, using celluloid work is described as consisting of a revolving iron cylinder, in place of tortoise shell, jet, etc., for the frames of spectasively used for shoe tips, protecting the toe as well as metal makers it is also used for insoles. Large quantities of thimbles are made of it, and it is said to be the best materialmost all ages above fourteen. Generally the early symp- less apron and are carried out. There would appear to be an for paintings, celluloid has all the advantages of ivory, and photographs can be taken on it which are alleged to be superior to ivorytypes.

Within the last year and a half another branch of celluloid An excellent illustration of the industrial and commercial manufacture has been developed which promises to reach etc. It has the appearance of well starched linen, is sufficiently light and fiexible, does not wrinkle, is not affected by perspiration, and can be worn for months without injury. Hyatt brothers suspected that this compound might be used It becomes soiled much less readily than linen, and when to manufacture it successfully, it has become the basis of and water with a sponge or rag. For travelers and for several thriving industries, and novel applications of it are wear in hot weather this celluloid linen is especially convenient. It has lately been much improved by the intro-As now made celluloid is a composition of fine tissue duction of real linen between two thicknesses of celluloid. Shirt fronts have been made of it, as well as cuffs and collars. and it is believed that these will prove equally desirable.

Celluloid has been experimented with as a material for neckties, and although the trials have not yet been very cessful. For hat bands and hat sweat bands it is a trifle more expensive than the materials commonly used, but it is said to be better, as it does not become rusty or greasy. It has also been used lately for watch cases.

There is a large export trade in celluloid articles to Cuba and South America, and this is constantly increasing. They terial and shaping it into novel and useful forms is thought are not sent to Europe, as the right to manufacture and sell them there has been sold to a foreign company, which has a

Photography in Banking.

extracts from the writings of those who have traveled among a license, which is granted only for the purpose of making some time past employed a photographic detective to examthe various savage tribes of the globe, shows that among such some new article that will not interfere with the trade of the ine suspicious documents; and more recently has placed an peoples generally the art of pottery making is, at first, ex- companies already licensed. A number of large corpora- invisible studio in a gallery behind the cashiers. Hidden beclusively practiced by women, the reason being that the fab- tions are now engaged in the various branches of manufac- hind some heavy curtain the camera stands ready for work; rication of earthenware is primarily and essentially a branch ture for which celluloid can be employed. Most of these and at a signal from any of the cashiers the photographer seof culinary work-the latter everywhere falling to the lot of have their factories in Newark, but there is one large estab- cures the likeness of any suspected customer. It is also reported that in the principal banking establishment in Paris The cost of the crude article to the buyers is regulated by several frauds have lately been detected by the camera, which the culture of the field. When, however, in the progress of the producing company according to the use to be made of under some circumstances exercises a sharper vision than the the tribe in culture, the practice of the art of pottery comes it and the competition met with in other materials. For in- human eye. Where an erasure has been made, for instance, to be a trade or profession, and to interfere with the house stance, \$4 or \$5 per pound are charged for celluloid which the camera detects it at once, let the spot be ever so hold work, it passes naturally into the hands of man, and it is to be made into jewelry, while only \$2 are charged if it is smoothly rubbed over, while a word or figure, that to the eye will be found that in every case where men make earthen- designed for umbrella handles, though there is no difference has been perfectly scratched out, is clearly reproduced in a photograph of the document.

Seaboard Pipe Line,

The long talked of project of extending a pipe line from probable that the ornaments she uses should have originated by age or use. Great quantities of it are used for piano and the oil producing regions now seems in a fair way to be realized. We are informed by one of our correspondents that the Tide Water Pipe Line Co. (Limited) are progressing with Billiard balls are made of celluloid at half the price of their line of oil conducting pipe, which reaches from the making baskets, mats, etc. She is everywhere the primitive ivory, and are said to be equally elastic, while more dura- Bradford oil region to Williamsport, Pa., a little over 100 ble. Large amounts are used for combs, for the backs of miles. The pipe is 6 inches internal diameter, 27-100 inch cupies himself with ornamental art, even in civilized coun- brushes and hand mirrors, and toilet articles; a fine tooth thick, and weighs 19 pounds to the foot. It is tested to 2,000 tries. Woman covers with ornament everything her hand comb made of celluloid is twenty-five per cent cheaper pounds to the square inch. The lengths are screwed together touches, and the lady in her boudoir industriously embroid- than ivory, while in large pieces, such as the backs of hand dry. The pumps are being made by the Holly Manufacturers, on some article of mere luxury, the same series of frets glasses, the difference in price is enormous. Among many ing Co., of Lockport, N. Y. They are single acting plunger and scrollborders that, on the Amazons, the savage unclothed other articles in which celluloid takes the place of ivory or pumps, 6 inches in diameter, set in batteries of three, and are

ing. It is as if they both sang the same simple song. The handles of knives and forks. Its use in cutlery is said to minimum amount of oil to be delivered in twenty-four hours ornaments arc in both cases identical, and not only of wholly be especially desirable, as it is not cracked or discolored by is 6,000 barrels of 42 gallons. The pumps will deliver the independent origin, but it may be of very different age. hot water. Those of the savage are the mere embryonic beginnings of art life, while those of the boudoir are archaic forms, persisting through the ages, still flourishing unchanged among the luloid is said to be much more durable, however, and it is suvaried wealth of derivatives by evolution from the ancient perior for pencil cases, jewelry, etc., where gold mountings primary forms.

WIRE IN WHEAT.

The difficulty with regard to the presence of bits of iron natural flesh color which can be imparted to it, have caused wire in wheat after it reaches the mill, due to the use of it to be extensively substituted for India-rubber in the manu- as a Bengalee who makes conquest over a royal tiger. But harvesters binding with wire, seems to be in a fair way to facture of dental blanks, or the gums and other attachments these saurians have become more wary and watchful, and the of artificial teeth. satisfactory solution.

At the late meeting of the Millers' Association at St. Paul, a method of extracting wire from wheat was tried shell, and its elasticity renders it much less liable to break- first approach of an enemy causes them to disappear. To with encouraging success. Two gangs of common horse- age. In this form it is used, like the imitation ivory, for shoe magnets were placed in a spout, through which wheat combs, card cases, cigar cases, match boxes, pocket books, their habits. There is a great waste of powder and ball by was passed after having been mixed with particles of wire, napkin rings, jewelry, and all sorts of fancy articles. The inexperienced parties who go hunting and find nothing .varying from the size of a pin head to pieces an inch in substance is employed for similar purposes as a good imita- Pilatka (Fla.) Herald.

spine on the damp surface of the clay vessel she is fashion kind of harness trimmings, foot rules, chessmen, and the There will be two pumping stations, 50 miles apart. The

India-rubber, as a general rule, holds its ground against large portion of the work is done. It is expected that the celluloid, as the latter cannot be sold so cheaply. The cel- line will be in operation in May.

are used, as it does not tarnish the metal, whereas the sul-

carats fine. The freedom of celluloid from sulphur, and the

Alligators Taught by Experience.

oil to the pipes at a pressure of 400 pounds to the inch. A

The alligator season begins to open, and these ugly monphur in India-rubber tarnishes gold which is less than eighteen sters may be seen stretched out on the wharfs dead and alive. Every man that is fortunate enough to kill a good sized alligator puts it down among his memoranda and feels as proud sound of the steam whistle, the noise of the paddlewheel, or

Celluloid can be mottled so as to imitate the finest tortoise the dip of the oar is to them a signal of danger, so that the secure a large alligator now requires an expert who knows