

TOOLS NEEDED IN ROAD BUILDING

Cheap and Practical Machinery Within Reach of All.

A GOVERNMENT REPORT.

Portable Stone Crushers Are Invaluable in Building Good Macadam Roads—Future Maintenance of Highways Must Be Mapped Out Before Anything Else Is Done.

Road building is now occupying the attention of the people to a greater degree than ever before. Building by the old fashioned way is expensive. Tools that reduce the cost are within the reach of every county, and on this subject a government report says:

"In addition to the shovels, picks and other ordinary implements a considerable outlay for machinery is necessary. In these days of high paid labor and short working hours one rarely hears in this country of macadam stone being broken by hand.

"There are many kinds of stone crushers on the market. Except for city use and in cases where a large amount of macadam work is done every year within a comparatively small area, large stationary plants are undesirable. There are several kinds of portable plants which may be bought at prices ranging from \$1,500 to \$2,500 which are admirably adapted for country use. These plants include the stone crusher, engine and boiler, portable bins, revolving screen and an elevator to lift the stone after it is broken and to discharge it into the screen.

"The outfits are mounted on wheels and may be moved from place to place at a comparatively small cost. Under ordinary conditions from \$50 to \$100 will pay the expense of shifting such a plant from its old location to a new one several miles distant.

"Stone crushers are variable in their output. They all need much repair work from time to time on account of the severe usage to which they are subjected. With an outfit such as has been mentioned from eighty to a hundred tons (sixty to eighty cubic yards) of broken stone per day may be expected if the plant is kept in good condition. Such an output is usually satisfactory, since a single steam road roller will not often roll more than this amount in a day. The crusher will take stones which measure up to approximately 7 by 14 inches in cross section; larger stones require mauling before they can be placed in the receiving outfit.

"In some places it may be found more economical to have the stone shipped in from some permanent crushing plant than to purchase a crushing outfit, and it is well to consider this feature carefully. It should also be stated that, while the first cost of the road is important, the costs of future maintenance must also be taken into account. It is sometimes economical, even at a greater initial cost, to import stone from a distance if thereby a more durable road may be had than is possible by the use of local stone.

"The crusher should be set up as nearly as practicable in the center of the section to be built; but, since much water is needed for the boiler, for the roller and for the watering cart, the site is often governed by the location of the water supply.

"If possible the crusher should be set low enough so that a platform may be built at the level of the opening which receives the stone. This platform should be sufficiently strong to bear the weight of the carts loaded with stone for the crusher. With this arrangement the large stones may be dumped upon the platform and fed into the crusher without further lifting.

"The workmen who set up the plant should have had experience in this work. Much depends on the proper alignment of the several parts, and many petty annoyances in operation will be avoided if the work is done properly in the first instance.

"The steam road roller is now used to so great an extent that a discussion of its advantages over the horse roller is unnecessary. Macadam roads may, of course, be built with rollers drawn by horses. They may also be built without any rolling except by the wheels of moving vehicles. But experience has demonstrated that quicker and better work can be done with the steam roller and usually at a less cost. A so called ten ton roller is sufficiently heavy for country roads. Most of the culverts and many of the bridges are too weak to sustain with safety the heavier rollers. There are several excellent makes of such rollers, which may be had at prices ranging from \$2,500 to \$3,500.

"Since water is always needed in rolling the macadam a watering cart or sprinkler should be provided. The road official cannot often afford to wait for rain. Most of these carts are provided with extremely broad tires, so that the cart assists in consolidating the stone instead of rutting it. Many communities are provided with one or more watering carts, so that it is often unnecessary to purchase a new one for road building.

"In macadam work, as in all other construction work, there should be a competent foreman or superintendent in charge."

FEATHERED TYRANTS.

All the Fowls of the Air Dread the Muscivora Birds.

Police work is the strangest of the work done in the world of birds. In France and central Europe the muscivora birds police the air, posted on telegraph wires. Black, with heads decorated with orange fillets, these notable flycatchers are dreaded by the brigands of the air, Eagles, falcons and all the feathered strong men of the ether shrink from an encounter with this tyrant. When the tyrant cannot find wires to perch on he perches on a pole. When stationed in a prairie or a pasture he perches upon the back of an ox. He lives by hunting insects and attacks all birds, even the strongest, using beak and claws in the unequal struggle. All the fowls of the air fear the police bird, and even the most active pillagers of the nests feign honesty when under the sharp eye of the Muscivora tyrannus.

In winter the tyrant takes possession of the warm shelters prized by birds. In spring, when the young are twittering in the nests, the tyrant turns "thief" and sows terror among friends and enemies alike. Even the sparrows banded to fall upon a field fly away when they see the black coat and orange fillet of the "policeman." The tyrant holds his power by his audacity. All animals yield to the influence of courage, a quality specially tenacious in birds. The tyrant bird is small, but his attitude commands respect.—Harper's Weekly.

Itching piles provoke profanity, but profanity won't cure them. Doan's Ointment cures itching, bleeding or protruding piles after years of suffering. At any drug store.

THE WORD "BUNGALOW."

It Comes From the Hindi Bangla, Meaning a Thatched Hut.

The word bungalow is an Anglo-Indian version of the Hindi bangla, which primarily means Bengali, or of Bengal, and is also applied to a thatched hut, says Country Life in America. It may be worth while to explain how this trivial and merely local name came to be fixed on the Englishman's house in India.

Early residents there engaged in military, administrative or trading duties lived a nomadic life for the greater part of the year in tents. And since there was nothing in the indigenous buildings of Bengal suited to their requirements their first dwelling houses, designed by themselves and built of materials at site, were naturally planned on the model of the Indian service tents to which they were accustomed—that is, a large and lofty room surrounded by double walls of canvas enclosing space between them, with partitions at two or more corners for bath or store rooms.

It is probably, indeed, that in the beginning the tent itself was occasionally covered with the sun proof thatch or bangla. The name and the thatch were all that were taken, and now the origin of the name is forgotten even by most Indians, who accept the resonant, trisyllabic bungalow as the Englishman's own name for his own peculiar house.

NOTICE.

Please do not ask us to send you the News without paying for it cash in advance.—John D. Babbage.

The Retort Courteous.

James Russell Lowell was once a guest at a banquet in London where he was expected to reply to a toast. The speaker who preceded Mr. Lowell said many contemptuous things about the people of the United States, avowing and repeating again and again that they were all braggarts. As American minister at the court of St. James Lowell could hardly overlook this speech, so as he rose he said smilingly: "I heartily agree with the gentleman who has just spoken. Americans do brag a great deal, and I don't know where they got the habit, do you?"

Big Mouthful.

"Yes," whispered the man who knows everybody, "the big chap over there at the third table is a great gormand. He's a mountain in the financial world, you know."

"H'm!" commented the quiet observer. "Instead of a mountain he looks to me like a great gorge."—Chicago News.

Boiling Alive.

The last instance of boiling to death took place in Persia in 1890. The offender was guilty of stealing state revenues and was put into a large cauldron of cold water, which was slowly heated to the boiling point. His bones were distributed as a warning among the provincial tax collectors.

Incorrigible.

"Nobody wants to play bridge with Mrs. Bean. She talks all the time."

"I suppose she's quiet when she's dummy?"

"Quiet! She talks twice as much."—Cleveland Plain Dealer.

Notice

That resolutions of respect are published at 5 cents per line. Please do not send obituaries to the News without expecting to pay for the publication of this kind of matter.

SWITCHED ON SUFFRAGE.

Bill Changed His Opinion After a Talk With His Wife.

Old Bill Shiftless wandered in the other day to talk a little politics, says the Osborne (Kan.) Farmer. Bill is somewhat interested in the woman suffrage movement. He is for it good and strong. Bill says: "My wife has as much right to vote as I have. She does half the work and owns half of everything and should have as much say as I have. Of course the old woman would also vote as I told her to, but that makes no difference. It would give me double power, and the Lord knows us poor people have little enough to say now about the way things are run. Then, besides, I want the old lady to have all the pleasure she can get out of this world."

"That night old Bill was talking the question over with his wife. She said she would like to get a chance to vote the distilleries off the face of the earth. Bill stared up in a minute.

"That's just the way with the women!" yelled Bill. "Give them half a chance and they would ruin everything. Look at the poor people around here who can't afford a doctor or to buy medicine. If they can keep a little liquor in the house it saves many a sick spell. Women have all they can do to look after things around the house without chasing off and voting."

Then old Bill chased himself to bed and left Mrs. Shiftless to bring in a bucket of coal and get kindling for the morning.

BRUMMEL'S GHOSTS.

Pathetic Picture of the Great Beau in His Decadence.

We are more familiar with the picture of Beau Brummel in the days of his prosperity than in his decadence. Here is a pathetic glimpse of the last phase at Caen, when the old man's mind had begun to give way under the accumulated stress of penury and ingratitude:

"Sometimes he thought he ought to give a party, so he would arrange the apartment, set out the candles and get the house attendant to be with him. At 8 o'clock this man would open the door of the room and announce 'the Duchess of Devonshire.' At the sound of this name Brummel would rise from his chair and greet the cold air from the staircase as though it were the beautiful duchess herself, making his most courtly bow and saying: 'Ah, my dear duchess, how rejoiced I am to see you—so very amiable of you at this short notice! Pray, bury yourself in this armchair! Do you know, it was a gift to me from the Duchess of York, who was a very kind friend of mine; but, poor thing, she is now no more.' Then, his eyes filling with tears, he would sink into his chair, looking vacantly into the fire until Lord Alvanley, Lord Allen, the Duke of Beaufort or some other old friend was ushered in. At 10 the attendant announced the carriage of each invisible visitor, and this ghostly party would conclude."—London Graphic.

Auction Selling in Japan.

Sealed bids are used in auctioning property in Japan. There is no shouting. The auctioneer announces to the audience that he has such and such a piece of property for sale and invites bids. Those who wish to bid write their bids and names on slips of paper. The paper is folded and placed in a box. When the auctioneer sees no more bids coming he opens the box and sorts out the bids. The highest bid takes the property. It is like a bond sale—no one knows what his neighbor bids. If a bidder is anxious to get the property he will not put in a small offer. On the contrary, he will very likely bid all the property is worth. For this reason an owner never puts up his property for auction unless he wants to sell it.—New York Sun.

A Famous Dresser.

Joachim Murat was in his day the best dressed man in the world. Born in 1767 in a village near Cahors, the son of a day laborer, he was sent to a Jesuit school to be educated for the priesthood. He ran away, joined the army, and sixteen years after he had become a lieutenant he was a field marshal, Duke of Cleve and Berg, with Napoleon's sister, Caroline, as his wife, and, finally, by the grace of his brother-in-law, was created king of Naples. In all stations he paid the closest attention to his attire and wore in battle gold embroidered and jeweled uniforms which would have made him conspicuous at a court function and dressed himself as for a review when he was led forth to the front.—New York Tribune.

"How is it?" "The fat cat is doing well. The problem being to get the cat from killing the goldfish."—Birmingham Age-Herald.

Careful About Himself.

Husband—I say, how many 's in billions? Wife—One, of course. You told me how to spell it yesterday when I was writing. Husband—Ah, but I'm writing now, and that makes all the difference.—London Punch.

Encouraging.

Tragedian—My parents tried hard to keep me from becoming an actor. Comedian—I congratulate them on their success.

The hate which we all bear with the most patience is the hate of those who envy us.—Cotton.

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Statement of Condition of

The Bank of Hardinsburg & Trust Co.,

Hardinsburg, Ky., at the close of business June 30, 1911.

RESOURCES.

Notes and Bills	\$251,838.76
Cash in Safe and Cash Items	16,975.13
Cash in Other Banks	47,908.03
Stocks and Bonds	6,051.74
Banking House and Lot	1,800.00
Other Real Estate	1,834.29
Furniture and Fixtures	400.00
Total	\$326,807.95

LIABILITIES.

Capital Stock Paid in	\$ 50,000.00
Surplus Fund	17,500.00
Undivided Profits	3,294.31
Dividend No. 42, 5 per cent.	2,500.00
Due Depositors	253,513.64
Total	\$326,807.95

Very respectfully,

M. H. BEARD, Cashier.

ASSIGNEE'S SALE.

The undersigned, as assignee of Wm. Preston, will on Friday, the 28th day of July, between the hours of 10 o'clock a. m., and 5 o'clock p. m., on the premises of Wm. Preston, in Cloverport, Ky., offer at Public Sale to the highest and best bidder, the stock of groceries, notions and fixtures, such as show-cases, etc. Also one popcorn and peanut roaster and one pair of computing scales. Said stock will be sold in parcels, or as a whole, as may be determined for the best interest of all interested.

All sums under \$25, cash in hand. Sums above that amount will be on a credit of three months, the purchaser being required to execute bond with approved security, bearing interest from date.

V. G. BABBAGE, Assignee.

Stops earache in two minutes; tooth-ache or pain of burn or scald in five minutes; hoarseness, one hour; muscle-ache, two hours; sore throat, twelve hours—Dr. Thomas' Electric Oil, monarch over pain.

Curious Anticipations.

Many peculiar anticipations have been cited against patent applications: At one time a congressman took to the patent office a lock invented by one of the original constituents. The inventor brought a copy of a lock figured in the Bible, showing the key which was shown him by one of the officers, exclaimed that he didn't care who that fellow from Thebes was, he certainly stole it from his constituent. On another occasion an application for a patent was filed for a flower basket whose construction corresponded in detail with the Scriptural description of the ark in which Moses was placed in the bulrushes, which, we are told in the second chapter of Exodus, was an ark of bulrushes daubed with slime and pitch. This is also probably the first recorded instance of a re-enforced concrete structure.—Scientific American.

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