The Franklin Press

The Highlands Maconian

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Buy a Farm!

NOW is the time to buy'a farm, advises "The Progressive Farmer." We hasten to add an emphatic litical highway control when it Horace must rate the first or third "Amen."

To some tillers of the soil, discouraged over their the State paltry cash incomes in the recent lean years, this may must be maintained as well as built. organ's job, or the income tax desound like foolhardy advice. We do not gainsay that Today millions more are to be expartment's. the depression was disheartening for farmers, espec-pended in Federal funds for roads ially for those heavily laden with mortgages, but it are paid every year by motorists in declaiming that a man who has sell water wheels, generators, and has been the same story with practically every means in North Carolina to be spent up- not experienced in person the rav- complete outfits which can be put of obtaining a livelihood. And, too, it is true that on the building and maintenance of ages of alcohol has no business up by a local engineer, or sometimes by a millwright or the farmthe prices of farm products are not climbing as rapid- State Highway Commission were trol it. Might as well hire a law- er himself. This equipment is ly as the prices of many of the things the farmer has becoming a less important agency, yer to tell you how to build a generall made well and will give to buy Nevertheless we are firmly convinced that to buy. Nevertheless, we are firmly convinced that important matter to the people of a land title. Might as well, in fact, size outfit is chosen and properly the depressed prices of farm lands offer fine oppor- the State. But it is not. With a listen to a philosopher when a installed. One ready-made item tunities for the man who is willing to work and as- high gasoline tax and great Federal great religious principle is involved, which is particularly good is the sume responsibility, who has initiative and courage. est spending agency and largest satire is not wasted), to have Hormore satisfactory than the wooden insulators.

Agriculture is still the basis of American life and body of employes excepting only ace say he favors this or that with wheel, and is not hard to install industry and, as surely as this nation of ours will the State-wide school system. climb out of "the slough of despond," farm crop of old pride but also for reasons of the evil effects of beer. This is ment bought new will generally prices are going to improve and the farmer again will present importance, the people of an "experience" meeting. Horace, run to several hundred dollars, but come into his own. We venture to say that when the the State will hope that the signs and you stay out of it. All the will be worth the money in most come into his own. We venture to say that when the which seem to point to a political wets are drunkards and all the cases if the farm can afford the next depression comes along the man who owns his reorganization of the Highway drys are saints. Far as we know North Carolina are agents for refarm will be in far better position to weather it than Commission are wrong. With bet- you are not to be found in either North Carolina are agents for rethe small business man or the individual who depends the small business man or the small business on a job for a livelihood.

Urging those interested in farming not to delay in politics and favoritism in highway the issue.- Charlotte News. buying land, "The Progressive Farmer" points out:

"x x x for most ambitious, industrious, enterprising families, there is still time to buy before prices go up materially. The history of nearly all depressions is that land values are among the slowest to reach bottom, and among the slowest to climb clean back to the top again. But it usually takes considerable time to work out the details of a land purchase able time to work out the details of a land purchase able time to work out the details of a land purchase able time to work out the details of a land purchase able time to work out the details of a land purchase able time to work out the details of a land purchase climbing a steep mountain to visit ried a rifle, one an axe, one a suited in size and design to the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream. It is not hard to measure the water flowing in a small stream.

The wholesale foreclosures by joint stock land traveller was expounding his own They were prepared for probable piece will not be a bargain after prepare for measurements, as the driest months of the year are banks and other mortgage holders and a veritable the only true and safe one. When to hold corn. The six beroines saturnalia of tax foreclosure sales all over America he had concluded his homily he descended into the valley with the -all these have forced land prices far below what less, looked at me and said, "These of Minerra. Passing Dives' home plants can be built from lumber and fittings from discarded farm mathey are likely to be within the average reader's life things will stand when the world the fiddler wielded bow like old fittings from discarded farm matime."

Already the government's action in providing to discover beliefs, opinions, deeds to discover beliefs, opinions, deeds Lord helps those who help them home-made plants in Western that will endure that Great Conselves." When they reached the civing the course fairly good services the course of the course of the course fairly good services the course of t effect of buying prices. The decline at least has been flagration. By far the greater num- crib the woman with the axe chop- giving the owners fairly good serhalted. The next thing to occur will be an upward hardy and can not "point a moral," entered. They came, they saw, though they may "adorn a tale." they conquered; but mostly they all-trades to build them, and must of the board of sufficient depth to by 1,000 will give the kilowatts.

The Lakey Creek Rucus

THE recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus and unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least. It is an unhappy and recent rucus down on Lakey Creek was unfortunate, to say the least of the least rucus down on Lakey Creek was unfortunate, to say the least rucus down on Lakey Creek was unfortunate, to say the least rucus down on Lakey Creek was unfortunate, to say the least rucus down on Lakey Creek was unfortunate, to say the least rucus down on Lakey Creek was unfortunate, to say the least rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant rucus down on Lakey Creek was unfortunated by the significant unhealthy state of affairs when folks think it is nors of the women and children, started for their homes with the necessary to take a stick in hand to separate the the aged and infirm during the spalls of victory on their shoulders black sheep from the white. It is even more to be civil War and a long but indef- and all singing lustily. "How sweet black sheep from the white. It is even more to be inite period of recovery under the to be alive at a time like this."

deprecated that a revival meeting has to end in split-reconstruction regime. All able-The charge of the Light Brigade. ting a church wide open and stirring up a stink that bodied men between the ages of the Noble Sixhundred, was a blunhas made nostrils curl all over the county.

We don't know and, furthermore, don't care to conscripted and in the army; even Noble Six Heroines brought home the design can be found from some wheel now in use. know, all the evidence in the case. It was such a ages served. In the first company mess that it would be difficult to get anything but a of soldiers raised in May 1801 there garbled story from it. Anyway, it is far better to of seventeen and nineteen years "let sleeping dogs lie."

Now that the Lakey Creek people have discovered the later of the later Now that the Lakey Creek people have discovered fifty-three years old. A man was An and Mrs. Ralph Parrish an-Lord, we hope they will go back to 'tending their own no Red Cross, no welfare organization, nor could the Confederate Rin from at their home at Raingovernment, under the severe strain bow Springs.

These pulleys or gears are a main source of breakdowns, and they government, under the severe strain bow Springs. Bibles of a Sunday, albeit some may have grounds of the times, give but scanty help box Springs. for being reticent about church-going,

Clippings

PUTTING THE ROADS IN POL-, sign of political favoritism or the ITICS

There are two and only two reas- lar. ons for the reorganization of such | It was for this reason, particular- sions were a time farm and a small an agency of government as the ly, that the State was distressed conscience. He could have clothed State Highway Commission: to when there were strong indica-himself in purple and fine linen people make such a body more efficient tions that the organization in 1932 and fixed sumptionally every day or to make room in such an or- was almost as active in politics as if he hadn't been too stimes. In ganization for political appointees, it was in the maintenance and con the homes of the soldiers' wives In no other institution of the struction of the roads of the State, and widows in the coxes and on North Carolina government have it was charged, and not effectively the mountain sides around him there the people of the State taken more answered, that the organization ex- was no bread or the means to have & DASH FOR FREEDOM proper pride than in the State erted its power in the Democratic 't. One day six of these women. Four tong-term prisoners in a the full is less than five feet and Highway Commission which spent primaries for the present Governor, not, organized and equipped them- Davie highway prison camp over- where an overshot wheel is imthe State's millions and built the Yesterday the new State Highway selves to make a raid on Dives' powered Guard John A. Anderson practical. State's files of highways with every and Prison Commission began to corn crib. It was not a case as of last week, took his gun and ammark of efficiency and not a single effect a reorganization, along lines the producal. "I will arise and go munition and escaped into a wood."

by the dropping of State Highway elsewheer attended politics in high-Engineer Leslie R. Ames who held way control. North Carolina learnficials have any charges been made, an end.

obviously dictated not so much by and Observer. few displaced to others for reasons

suffered greatly in the recent part University, will express himself in sions not technical services staffed ment when he admits simultaneby efficient engineers but political ously a complete unacquaintance of politicians and the reward of the politically faithful. It was North predatory wealth, boozers and the Carolina's fortune that it escaped wet press are in favor of doing from the political mistakes of po-

A State highway system, however,

learn the value of freedom from tial to a complete understanding of bolts, gears, and fittings.

that place under the Frank Page ed the value of freedom from pol- DEVELOPING FARM drainis ration of the Highway ities in building roads and spending WATER POWER commission. Other officials who millions by having freedom from

The very length of their service If the temper of the people of of the fine original organization of to be, it would not be a bold polthe Commission is vidence of their itician but a foolish politician who homes and lightening faun burdens, more efficient than the oversho efficiency. The men who take would make a political organization Strange to say, few farmers in generating plant because of the saytheir places may also be able and of the State Highway Commission this section have taken advantage ing in friction from belts or gears. officient men but the changes are of North Carolina.-Raleigh News of the water power opportunities "However, turbines must be pro-

DISQUALIFIED

Many people will be astounded that a man like Horace Williams, Southern States in particular have professor of philosophy at the favor of repealing the 18th amendorganizations devoted to the fates with whisky. It has been pointed out by the extreme drys that only away with prohibition. Plainly built its system of roads across of those classifications, though as to precisely which you will not get the construction of farm power us to determine. It is a church

But despite that little detail of in the State. Millions of dollars classifying Horace we all can unite respect to prohibition is like listen- properly. Therefore, not only for reasons ing to a white ribboner describing

Public Opinion

Once There Were Heroines

Editor of the Press:

s burned up.'

and two men, one fifty, the other to the needs. The last three years than

of calamity through which we are compared with period un- West's Mill.

When times were at their worst, when famine stalked the land the

South of the Blue Ridge some improper spending of a single dol- miles beyond Highlands there has

to my father," but by force and a local electric repair shop. Long since a friend and I were arms they sought bread. One car- ment, be sure it is reasonably well brick scraping the strings at a thinery, saw mills, and automobiles. Ever since I have been interested dance of witches and all sang, "The There are probably fifty such Many sacrifices made by people were shelling corn. The woman be so against to fix break-downs. exhibit a zeal for righteousness with the gun sat near the door. These plants seldom give all the It still remains true that "Discre- lessly and peeped through the giving with factory-made equip-

-B. M. ANGEL.

of the wheel's power.

Canalter Childers at their home at In fact, one reliable manufacturer

A san, Carl Haskett, was born of wood wheel,

Samrday, August 19. Mr. and Mrs. times are, and they do not become Arrest are formerly Macon county waterlogged and unbalacted,

an Monday, August 21.

Your Farm - How to Make It Pay

they possess, and there are some tected by a trash rack, and this who have abandoned old water should be cleaned often. Most wheels for gasoline engines and small turbines are designed for is done as follows:

operating grist or saw mills are quantity. not numerous. But there are many places where enough power can cash outlay, for lighting the home automobile generator, is given for stake.

The July issue of the Farmers' dollars: information and advice concerning 2 4x11/2-inch flat fan belt pulplants. We reprint the article in 1 12-volt Dodge generator

Ready-Made Equipment

"Several reliable manufacturers funds, it remains the State's great- Indeed (and we trust our utter steel overshot wheel. This is far

"It should not be forgotten that | many used pieces of esuipment can be bought second-hand in Western North Carolina for a few dollars, especially generators. Often a damaged wheel can be taken to a local machine shop and put in running condition again at small cost

The Overshot Wheel

"This is the best wheel for most

"Overshot wheels make from six to twenty revolutions per minute. the chief disadvantage of the over-

"The steel overshot wheel wastes was born to Mr. and Mrs. less water than the wood wheel. der review is as a feast is to a Mr and Mrs. Loren Moses and his steel overshot wheels test 90 to nonnes the birth of a daughter at 92 per cent delivery of the power their home on Ellijay on Friday, that is in the water, and 25 per cent greater than the best design

to Mr. and Mrs. Clyde Arvey at "Steel overshot wheels are not their home in Swain county on troubled by ice as wood ones some-

A dam later, Carrie Nell, was born "The undershot wheel is much Undershot Wheels to Mr and Mrs. Luther Gibson like the overshot wheel in design. wheel by flowing underneath. It is more expensive for the power delivered, and is used mainly where

"The turbine is not unlike the

It is built of steel or iron, with made to find the amount of water ACON county has scores of curved buckets revolving around a that flows per minute. Care must have served the Commission since polities. And it will be a supreme with small streams which could be shaft that is usually vertical. As the taken to get a board wide to began its great road-building tragedy if after a decade of opera- harnessed to the advantage of its turbines turn faster than overshot to day the water to a dead program are also said to be slated from on the basis of efficiency and farmers. Traveling about the countries and to run the generator. Most tur-level before it begins to flow over Against none of these veteran of- fine freedom is to be brought to Maconian has observed many sites bines make from 100-to 500 revolu- the notch, and that the water has where water power could be de-tions per minute. Often they are a fall, enough to clear itself beveloped at small cost to turn grist connected directly to the generator. low-say a depth of six inches, or Number 34 and the fact that they were part North Carolina is what it seems wheels and saw mills and to gen- "When properly suited to the more in a large stream, erate electricity for lighting farm location the turbine outfit is slightly

> heads of eight to 25 feet with a Locations where theer is suffi- medium or large flow of water, find the number nearest under the cient water and sufficient fall for which must be rather steady in

"A detailed estimate on the cost be produced, and with a very small of a home-made plant, using an operating small farm machinery. hand and still spend only a few

Federation News, published at 3 pair ball bearings at \$1 each \$ 6.00 Asheville, gave some very valuable 2 used drive shafts (bad order) 1.00

leys (1924) (or other starter generator) 2 10-ft. 11/2-in. belts (salvage) 6.00 5 auto lamp sockets at 15c. 5 auto lamps at 15c..... Wire, insulators (knobs, tubes) 4.00

"At most, the parts for such a plant should not cost over \$25 when bought at a second-hand auto parts single item might be picked up flowed over the weir at this measfrom old autos, except wire and

Before Starting To Build "Before starting to build or install a plant, these things should be figured out in advance: How much fall or head is

"2. What is the smallest flow of the year in cubic feet per min-"3. If you have a storage pond,

how many cubic feet of water will needed in watts for:

a. Lamps b. Electric irons, heaters, rang-

Measuring the Head

usually September and October. ground about four feet up the the buckets. farms unless the head of water stream from the board, so that the "Select a generator of the same

water begins to flow over it. the water raise dio its greatest loaded. shot wheel is that several gears or height, measure carefully how much

"With the weir measurements at

"Down the left side of the table depth of water at the stake. From this number run across the table to the column headed by the fraction of an inch which gives the exact depth of the water at the

"For example, say the depth of water above the stake was 131/4 side of the table to 13, then across to the column headed by 1/4, and find the number 19.29.

"Now take the number thus found (19.29) and multiply it the width of the weir notch in inches. Suppose this width is 44 inches. We multiply 19.29 by 44, which equals 848.76, and this is the number of cubic feet of water, per minute flowing over the weir

at this measurement of depth. "A week later the water might measure only 111/2 inches deep, and we would find that only 685.96 dealer's. On some farms every cubic feet of water per minute

urement "To get the horsepower at low water, take the cubic feet per minute as found from the tal and multiply it by the number of feet the water can fall at the p posed water power, plant, and divide by 528. This fall will generally be the distance from the water level at the wheel end of the flume to the water in the tail race directly below the wheel.

"In working out the example stated above, suppose the fall is 10 "4. What amount of power is feet. We take the 685.96 cubic feet per minute and multiply it by 10 feet fall, giving 6959.6. When we divide this by 528, as directed above, we get a horsepower of 13. "If, instead of figuring the horse-"5. What will be the heaviest power, we would like to know the total load on the system at any kilowatts or KW (1,000 watts), take ning condition again at small cost one time, and how many hours per the cubic feet per minute (685 06), or a generator can be rewound at day will this peak load be needed? mulytiply by the fall in feet (10), and divide by 708, giving 9.7 kil-

"Lamps use about 40 watts each, "There are many ways by which electric iron 500 watts, electric streams of water can be measured range (full load) 5,000 watts, 1/4approximately, but, undoubtedly, the horsepower motor 288 watts, 1/2 most correct way by which it can h. p. 518 watts, 1/4-h. p. 746 watts. be done is by means of a "Weir 1-h. p. 966 watts. By adding up Dam." If the stream is not too the number of watts needed for large, take a board or, if required, each light bulb, appliance, or mojoin and nail together with cleats tor to be used all at the same time, allow all the water to pass through. With most plants, the motors can "but not according to knowledge" and once in a while waived it reck-

Be particular to have the notch The head will, of course, limit the level across the stream, so the diameter of the overshot wheel, water will be of the same depth while the cubic feet of water per at both ends. Drve a stake in the minute will detrmine the width of

eighteen and forty-five years were det a flop. The charge of the fairly easy to build of wood, and with the bottom of said notch, possibly 80 per cent of the water which can readily be seen when the wheel's horsepower. If the power of the wheel is too much greater "When the dam is made perfect- than the horsepower of the genly tight, so that all the water pass- erator, it will burn out the gen-In running an electric generator es through the notch of Weir, and erator when the generator is over-

"The storing of power by means pulleys are required to step up the the water raised to its greatest of extra water in a pond or by slow speed of the wheel to 1,000 the stake. Near sundown is the storage batteries will help to make best time to measure stream flow. the generator pull the peak load

WEIR TABLE

	0	■3/8	1/4	34	1 1/2	5/8	3/4	1 3/8	
-0	.00	.01	1 .05	.09	1 .14	1 .19	26	1 .32	
- 1	1. 40	.47	.55	.64	.73	82	.92	1.02	
- 2	1.13	1.23	1.35	1.46	1.58	1.70	1.82	1.95	
.3	2.07	2.21	2.34	2.48	2.61	2.76	2.90	3.05	
4	3.20	3.35	3.50	3.66	3.81	3.97	4.14	4.30	
5	4.47	4.64	4.81	4.98	5.15	5.33	5.51	5.69	
- 6	5.87	6.06	6.25	6.44	6.62	6.82	7.01	7.21	
7	7.40	7.60	7.80	8.01	8.21	8.42	8.63	8.83	
8	9.05	9.26	9.47	9.69	9.91	10.13	10.35	10.57	
9	10.80	11.03	11.25	11.48	11.71	11.94	12.17	12.41	
10	12.64	12.88	13.12	13.36	13.60	13.85	14.09	14.34	
	14.59	14.84	15:09	15.34	15.59	15:85	16.11	16.36	
12	16.62	16.88	17.15	17.41	17.67	17.94	18.21	18.47	
13	18.74	19.01	19.29	19.56	19.84	20.11	20.39	20.67	
14	20.95	21.23	21.51	21.80	22.08	22.37	22.65	22.94	
1 15	23.23	23,52	23.82	24.11	24.40	24.70	25.00	25.30	
16	25.60	25,90	26.20	26.50	26.80	27:11	27.42	27.72	
17	28.03	28.34	28.65	28.97	29.28	29.59	29.91	30.22	
18	30.54	30.86	31.18	31.50	31.82	32.15	1 32.47	32.80	
.19	33.12	33.45	33.78	34.11	34.44	34.77	35.10	35.44	
20	35.77	36.11	36.45	36.78	37.12	37.46	37.80	38.15	
21	38.49	38.83	39.18	39.53	39.87	40.22	40.57	40.92	
22	41.27	41.62	41.98	42.33	42.69	43.04	43.40	43.76	
23	44.12	44.48	44.84	45.20	45.56	45.93	46.29	46.66	
24	47.03	47.39	47.76	48.13	48.50	48.87	49.24	49.62	