Dear Mr. Meharg:

Your letter of the 12th received.

Dr. Knapp is still absent from the city and will not return until May 2d, at which time your letter will be called to his attention. We are collecting a large amount of data of this sort for pupposes of our reports and are very glad to get the material you sent in to us in this letter.

Very truly yours,

Assistant in Charge Administration.

Mr. A S. Meharg,

Live Oak, Fla.

UNITED STATES DEPARTMENT OF AGRICULTURE, BUREAU OF PLANT INDUSTRY,

WASHINGTON, D. C.

OFFICE OF FARMERS' COOPERATIVE DEMONSTRATION WORK.



Line Oak Dla april 121 1910

Lever Lev Knapp Herling that you would hould like to know how the people ofpricialit aux work, will write your of the effect, of the arault of last fears work in summer laung when he did the hulde of work last year. The business men combileted Manly & gas a dullans and county commissioners & / to or to being gund dud for our local man to work will - Each of the thru Banks of Line auch told us if, we needed man to chick un them for what me medid Some thing man de un formen ham Enlicitud work milt mr fahren aur loeal man in This Earny; and alters are complaining that luc home slighted them. I bulin if an earled mach Chine 4. of the while-formers of this county would bake demonstrations - Diner the chulopuni fauntance desi fall them has hem more substantial suprave-them for your- when I ask the nearon In this

UNITED STATES DEPARTMENT OF AGRICULTURE, BUREAU OF PLANT INDUSTRY,

WASHINGTON, D. C.

OFFICE OF FARMERS' COOPERATIVE DEMONSTRATION WORK.

IN YOUR REPLY

The lusiness people till me that are work has chinanamented the possibilities of survanie enoug with, and from these wests they done lanfedmer in the fuluir and one mut apraise to influst their exhibit The fact that the ather cauling her are morking have Combinituded from \$ 1000 h \$150 re 4- huy seed for our men shaws what the humans people think of au hunk - Lhy muld met dans given in a dullar if her hard mut shown would - as you know men Jahnson on half time, and myself was all the Jorce he had last year - If these moults - down hem exalled please frie me the date 20 that I can affer am min en la gradie achievements Our men and andien to men June - Heefe June mill he able 6-2 fames a few day, with us hefen dang- Jum truf as mehory state your

Wenny Tex Mr 21,10 Wor Knopp Me were Morking for
you on Apr 16 but foilers to We have had good rains our tanks and full of water. Our com is doing well t is free from weeks, t we have it nearly all chipsed, we have 40 cener in Com. We only have one small calf but will have more soon. Well has a little mule, Our cattle une fait enough to ship I have written to The Commission man for information about The market + if you think best I will take them to Ki Wenth in More on thise weeks

Our posture is good with plenty wiles clover for all our Truly yours Fred Sweknele The state of the Parent of the contract 一日本の 1000年間 A THE PARTY OF THE

Denny Tex May 8/10 Wien Si I howent received any letter from you sence you were here. I see by the proper Mon There was finest all over Tex but we had none, We howe had one light rain Since you were there to me need another. I went to see about that land, The man asked 6 six dul, per ciere but come down to foun t the Interpreter said to want & he would take less We have cultivation our carm 3 times and about 1/2 the fromth Truly yours Trues Stockwell

N. L. SAMSBURY Real Estate Broker.

> 719-21 13th Street, N.W., Washington, D.C., May 12th, 1910.

Mr. Seaman A. & Bradford Knapp,
1215 Crittenden Street, N.W.,
"Saul's Addition",
Washington, D.C.

Hentlemen: -

Enclosed find papers relating to the purchase of lot
in Square 2921, "Saul's Addition to the City of Washington":lst - I enclose you certified copy of the Continuation of
title - the continuation being held by the party making the loan and will be returned to you upon payment of the same.
2nd - I enclose you Recorder's receipt for the Deed which you
may obtain at any time 30 days after date upon presentation of the same at the office of the Recorder.

3rd - You will find enclosed check for \$1.65 account of overcharge in recording.
Kindly acknowledge receipt of the enclosed and oblige,

Very truly yours,

N. L. SANSBURY,

Settlement Clerk

UNITED STATES DEPARTMENT OF AGRICULTURE,

BUREAU OF PLANT INDUSTRY,

WASHINGTON, D. C.

OFFICE OF FARMERS' COOPERATIVE
DEMONSTRATION WORK.

IN YOUR REPLY
REFER TO

Jonesboro, May 14th 1910.

Dear Campbell;

I am inclosing a letter to poctor Knapp that is a little Boosty", but these things marrated actually occurred and even more. If you would not mind it you can take this letter up to his office and touch his arm and call cakkxhis attention.

Things are moving along very well here. We are having some unprecedented cold weather. No frost, but cold windds South Ga. has been too dry all the spring to have a promising prospect for a crop.

Very truly yours,

E Lily

UNITED STATES DEPARTMENT OF AGRICULTURE, BUREAU OF PLANT INDUSTRY, WASHINGTON, D. C.

OFFICE OF FARMERS' COOPERATIVE DEMONSTRATION WORK.

IN YOUR REPLY

Jonesboro, Ga. May 14th 1910.

Dr. S.A. Knapp,

Washington, D.C.

Dear Sir;

My modesty will barely let me write this letter as it is written but it shows an a small way what I am trying to do for the farmers of this state. I will call attention to only one of the visits I made to agents this week as it is a repetition of all the other agents.

On Thursday forenoon I met Mr. B.W.Cubbedge at the station and went with him to a Mr. Shearouse's who lives East of Guyton. We came to his place about 10-30 and were met by exactly 20 of his neighbors, some of them not very close neighbors, as they come 7 miles. We went into the corn field and cotton field and discussed methods of cultivation and intercultural application of fertilizer. There was nothing very striking about this meeting from many other we had in the fields, but in the afternoon we met at 2 o'clock at another Shearouse's who lives four miles West of Guyton. This man was different from the man whom we met in the forenoon because he issvery poor. He has only one mule weighing about 700 #s. There were 18 men here to meet us. We wnet into the field as in the morning only we carried a spiketoothed harrow(known as the Little Joe, and a Planet Jr. I arranged the Planet Jr. so that I could do one

UNITED STATES DEPARTMENT OF AGRICULTURE, BUREAU OF PLANT INDUSTRY, WASHINGTON, D. C.

OFFICE OF FARMERS' COOPERATIVE DEMONSTRATION WORK.

IN YOUR REPLY

112

row at a thurrow whereas he had been putting two furrows with his scooter and scrape. While I was arranging these plows and plowing a few rows forndemonstration this man was following along with me watching with amazement. After I had plowed two rows with only one round trip, he turned to me and said " I have been working for four days to get up with my cotton and I am so tired that I can scarcely go. Now I see where I could have done the work in less than half the time and would have been up ,with my work also. " I Have almost worked my self to-death by not knowing how to do. This is not only an innovation to me but an inspiration". Mr. Cubbedge, a brother to our agent, turned to me and said" I shall not run another furrow until I have one of those plows". So he went right off to guyton and came back with one. Mr. Cubbedge, the agent, told me as we went back to the station that that demonstration had saved him not less than \$25 to \$35 in wages, as he is working 30 A.s incotton with hired labor. I do not know of a meeting in all my work in the Demonstration Work that seemed to do as much good as this one. surprised them from the beginnings I did not sit under a tree or on the porch and make them a speech for they were expecting this as a number of the neighbors brought bither their wife or daughter with One of the farmers went to the house and called the women to them. come down to the cotton patch and see what we were doing mas I heard call to the women and say " This man is doing more good and learning us more than I ever saw". This letter does not convey but little of the interest and enthusiasm that was manifested.

I saw two farmers who have this year quit cotton and arex for going into hog-raising just from reading the bulletin of yours on

UNITED STATES DEPARTMENT OF AGRICULTURE, BUREAU OF PLANT INDUSTRY, WASHINGTON, D. C.

OFFICE OF FARMERS' COOPERATIVE DEMONSTRATION WORK.

IN YOUR REPLY

3

that subject. One man has spent \$ 125 for fencing and has 22 sows. He is cutting up his farm with crossfences and will plant a succession of crops as outlined in the bulletin.

In my visits this spring with the local agents I am notifying them ahead of my arrival so that hhey may have their Demonstrators and Co-operators present. So far we have had excellent meetings, in fact, more farmers come out than I expected. And after we hold the meeting in the field and actually demonstrate our gospel we will never have any more trouble in getting good crowds.

The crops are behind on account of the dry weather. I am speaking of South Georgia. Many of the farmers have just planted corn and have but very little cotton thinned.

This letter is long but I do not see how I could get about apologizing for its length because I am full of the Agricultural Religion those men had.

Very truly yours,

Du Knopp Wear Sin We how been howers plenty raint our toute are all full. Mr Sningl says he still wenter to track this mares for the mules but rays he just cont look at the mules at present, you will remember bis wife was sik when you well there & the has not been expected to live from clay to clay since then. I home not been able to get the bounty bonnissures to do anything about the word but we have the rucce blocked lompletet have moved The fence to the west sicle of it; it will take I men one clay to fruith the frence.

They will be the second of the an more in the for the form of the Denny Tex May 28, 10 Wor Knapp Dear Sie Reputy about getting hounds (ses I said I would in my litter of the 26) Me says he will come if there is any shance to get the clogs there within 12 hrs apple the funce is entilled thinks the best-plan would be to watch the fence by anofficer with He Minks the Rould Benet two men there, (one at a time) + watch it for 100 dollars payabl on convection and 30 for the conviction of the second man if I are connected This books like a but to pay but I blont know as they could do it any cheaper + run the rich of conviction

You frear your howend need my ather lette I will say our frence was ent in about 100 places, yesterday morning it was cut in 2 places but The rains would have sovered any Snocks Truly yours. Fred Stockwell alore of the petter come Charles to the the in the state of the state of the etical materials. The second some some second The Kenter was to the the test Jelle Colober Could the say the collister to find the live per dies, (in let a time a a the Service of the fair of the service o They be core a cor to the Lesson a Fred on more of the they I was the wife I have

N. L. SANSBURY Real Estate Broker.

719-21 13th Street, N.W., Washington, D.C., May 25th, 1910.

Mr. Seaman A. Knapp, 1215 Crittenden Street, N.W., Washington, D.C.

Dear Sir:-

Enclosed find certified copy of the original certificate of title, the original being held by the party making the loan and will be returned to you upon the payment of the same; the recorder's receipt for the deed which you may obtain at any time 30 days after date of same; also, \$5.20 account of refunds-\$5.00, refund on title, owing to the fact that these two lots

had just been examined in a prior case for subdivision, and I asked the Title Company to make a refund in this case.

Kindly acknowledge receipt of the enclosed papers and oblige,

Very truly yours,

N. L. SANSBURY

Settlement Clerk.

Denny Tex Hoy June 2/10 Wear Sir Find inclosed Bill finan bell Brown but I think your house settled it befor your were chere. I supore your sent næ so yesterde or will shortly. for enos showing fine weather for enos shouty rain but none di much We are planting 15 weres do haguna com. Vin lattle sine in the big parture of are closing fine there has not been any more flence cuting since I wrote

U. S. DEPARTMENT OF AGRICULTURE, OFFICE OF THE SECRETARY. RECEIVED TELEGRAM. Washington, D. C., 1010 31-WU. ON. 15-Collect. 3 Extra. Austin, Tex. 25. S. A. Knapp, Washington, D.C. Wire not clear no particular portion of state called east Texas. W. B. Townsend, Secretary of State. 30-3pm.

Dennytex 6/26/10
De Knaph
Wear Sin
Mean Sin
Moun Javor of 22 I howen't tracked The mules yet. Our prospecti for com eng are good, we are needing rown but it is not suffering. We howe made attank in the woods pasture sex fildeep, this is in the middle of a wet weather found, we have also ful a clam across the auther of the Sport that will hold three feet of water if it ever get Mat much Our pencer are not heing out any more.

We found another spring in the new posture I think at will go dry befor the hodge Spring will, I will go tomore and dig it and that in a Me have one more call there is the another soon Me Davis & brabb cach howe good letton engle, Dowies sern have been well cultivater & are have Gram meeds. I espect to sent all the four shorts Of love + some it for they and Jon how plainted 5 acres June con 30 ton of hory from Mais sore Truly yours Fined Etockwell I will send a statement og extence + recite July

My Dear Father The last to days have been bright & pretically clear fapt a very little If rin Rle last night and the mosquitors an rapidly disappearing much to the relief of Everyour. be will probably stay him ah Prim Lake all this work and more home the first or middle of the mex't mik. It is just trantiful down hun. The stom of last Sigh was hed fine white sand our the whole south Eastern part of the lake to it makes an ideal somming

place + we go in every, ? Evening just hefor Union The nights an coal of fine sluping. I go back & firth in the boat with mr. Roberts er Herman as the mosqui tois It for how made it uncomfirtable to run the auto, how I will go in the machine. They an building a new road which will make it only about fir wills down him. instead of turns it is now. M mx T Thursday they well wote bounds in Lake Charles for severage for the main business Insidence portion of the City. also for a city hall & fin station of additional pavement. I believe all

carry. It will be a great Thing doing away with the old cess pools & the paving will gratty reduce the wat of Kuping up the shuts which under the old system of throwing the sand out of the ditch Thething it run back again was very wastiful. Turning our mosquito time of had a few severes renewed on the old house & a pair A severe doors put on the back woodshid. It semind necessary as they were gratly troubled & would not apur some of the windows. our good bally is youing Evry day. I suit you her pirtun yesterday & hape you will like them. The was

fin mouths old yes horday The picture was fakur a mouth ago. . do hope you can arrange to come of stay awhile this fall when it begins to tum wol. We can bisit of han the best time going around you care imagine all of the friends eask about you I want to Know when I form an eoming. I do
Thope you an fully recovered
from your fall. Be careful
futture let some one close do the climbing. With much love from all Jus. Jun dworld son En Charles 7/10/10 von

In mother Estate should your Ty as fam to described Go as to give you a clear tille to any possible community interest? Soudford well there so fix it any way to be sun it inice all be Settled just as me talked.

Denny Tex July 13,10 Wear Sin Your letter with check for fifty dal, need I hope you are well by Mir time We how had rown of last; while they were getting No much rown at Kusse we whe geting name. All the love that was planted when you were here will make a four enop the haguna will he poor, the early surgun ir gover the second planting is from + the last planting will be good if we can get one more rain. I. Much we have the best peanute I ever saw at this Anne of year / nuly Fineer blockwell

Denny Tex July 20/10 Wilcan Sur My last letter was just. after we had some good rains we have had another shower Since then, aux dand in in good condition, our tanks are all full except the one in the new pasture and it has 3/2 ft water in it. so we will be sure of plenty of stock water, We are now sur of at least 100 lon of hay with a good prospect for more If you think best I think it saft to now buy some more cattle as we have plenty grass & water, Over

When you were here you asked me to remind you to sen five dol, to the church here, it-Can be made and to the Pastin Rev DM Brown Mr Davis com has unproved Since 8 monte you about it This place in the com one cloud There is no goved stanch of hear in som except in the June som Mount Truly Threa Stockwell

Denny Tex July 1/10 Dy Knapp Wear Sin Find inclosed statement of all since you were There also dull finance Markham bursworth tol for material to Conich born with Truly yours Fred Stockwell

Wor Knopp Test July 3 0/10 Dean Sin There has been a Spaleling Deep Tilling flow Sent to me, the Agent claims it was sent on your ender but he knew nothing of The terms, I faid the freight 16 20 and tested the plow, it did good work at any depth from eight to liverity two inches but as for as I could see no better than our cline plow As I Thought there was some ennor about your ordering the plow I had The Agent Sign an agreement that any action of mine would not be bunching unlessed New wished it to be se

The Hourt said it was his understanding there was to be no changes except preight het me hear about this. Fred Stockwell This plow is a double clise, a better finished + looks lake a stronger plus Than eur ales one, Fred

UNITED STATES DEPOSITORY J.A.BEL, VICE PRES'T
FRANK ROBERTS, GASHER V.-PRES'T
S. ARTHUR KNAPP, CASHIER
ALCASIEU NATIONAL BANK 1/10 CAPITAL \$ 150,000 00 TAKE CHARLES, TOUISIANA Dear Fatter Your letter at hand. I did not believe the will was 4 actly right as a legal document I have always thought it best to open the suursion & gi through with it just as we talked at auers then early be any bitch or delay that way. What wor you want me to do please say so. Julvid ym will find a cluck for ym. Leun so glad Thelm is runing & you eau go on the Trip. It will be ideal, but watter is splendid although warm for part tono day- bu will hat Prim for one would num. Boby spludid growing every day, with much love Carl Har day hand him hand him hay have the thing have being har significant him have him hav arth

UNITED STATES DEPOSITORY J.A.BEL, VICE PRES'T

FRANK ROBERTS, GASHER
V.-PRES'T
S. ARTHUR KNAPP, CASHIER
S. ARTHUR KNAPP, CASHIER 1/4/10 (ALCASIEU NATIONAL BANK CAPITAL \$ 150,000 00 [AKE CHARLES, [OUISIANA Dear father Tulosed fud endit meno for 18.70 During the bad misquito time I has some serverus nurved \$630 which makes the balance Julosed ym will find the auto accounts I don't huderstand how this last month is 10 on Has for sold out? Even if he has this rut a 10-fe new is too much, man allwell thaving a good time. The 4 pert lertified all out out an auditing our book which makes lots of 4 tra weather is ine of un rugoy ourselves. Baby had to have a new bid instinday as she rolls so much that she fell out kinght before back

Denny Tex Aug 6,10 War Knopp Wear Sin your letter with Theeh of 50. also check of five for WM Brown recol, yesterday I think we could buy six good yearlings for about fufty (50) old, I think that would he all we would want till we sell our alde steers " We how about the some had last year + we have 4 overes sorgum, eight overes speanuts + 5 cieres Laquina com which we will been for brong I we may have where but it is doubtfull if the frech get large enough to our I have & Tweet to track the mules to fringle but he askes

My DEar Faltur I received your letter on Saturday in regard to mothers Succession - also the will and trolay trok the matter up with Milay He mill make no change for his services and the court costs should not & creed 12to 1500 The says really the simplish way is not to Enter the will

for probate at all nor Even to have any administrator as our is not we case any. Just make the statement that the ditale pusual of untain property in La belonging to her seperate Estate & that we an the sole only his - that Then an no debts of ask that m be placed in possession The his can be proven by Mr. Roberts I others her of the court will place us in immediate prosession. Then all bring majors un can do as m like inthit. I talked also about the Hi humit notes I he said that he thought it bush to list all of the blotis in the succession hun + han us put in possession of them o. then meveld sign them over t youx so This was that if eny action breame mressany it would not be well to have The matter open as the 1th Mount

would plead delays to which they could not if you many the omer. The then is the 40 am in 8-9. If you acquind title prior to Other Separation of foreports it Thould go in so in could all dud dur interest to you. I ful son en can stox it so then will not be any tax for inheritance, I can mont it through in a few days + han it all settled in a work or so. Just advise if this is all right,

If the will is probated we will have to prose mothers hem Irriting & also the Questin wight be vaised I how Each should give for your support. It is Simplist ust to use the mill at all - Don't you think so? Our baby is dix months old trolay. I trught her a ligh chair for her present Justinday she began to lenep. For them or four fut at a time.

but I guess will be at it in good fashim in a day or so. a Owin from Mr. Drew says her is much better - be an all grather retirord. In more all nady to more to torm today, but The Eddy deir ded they did not want to more down som will stay him initis about the first of Sept. It is wolt comfortable hen and baby is so mel I draded to worr to town. With much Son to all. arthur. Sahe Charles Ja Aug 9-1910



WEST TWELFTH AND LOCUST STS. Take Any West Walnut Car.

MUTUA_ PHONE 463

Des Moines Marble & Mantel Company

Incorporated 1887

ALL KINDS OF MARBLE, GRANITE, WOOD MANTELS, GRATES, BRASS SETS, FLOOR TILE

SEE THE CELEBRATED MONTELLO GRANITE

Des Moines, lowa, Aug. 18, '10.

S.A. Knapp,

Washington, D.C.

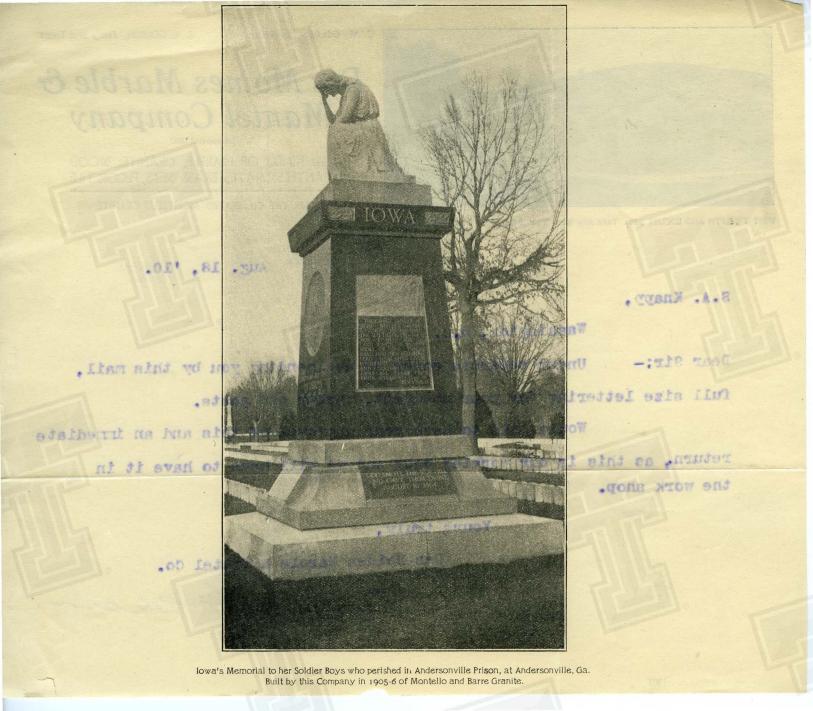
Dear Sir; Under separate cover we are sending you by this mail, full size lettering for your momment, marker and posts.

Would like to have your approval of this and an immediate return, as this is our working copy and we will have to have it in the work shop.

Yours truly,

Des Moines Marble & Mantel Co.

Per



Denny Tex pug 16/10 her SARrich Wear Sir We have nearly finished the boun but not quite, Me find those shed on the bann the hest place to day May I even Jan. We now howe cleven (11) boack more feld (hay) than we had last year & will have about twenty (20) leads nour Leguna Com + the planute, We expect to get the com all ent in the barn Mir week We find com will cure un The barn when ful might or well as any thing. We shave gathered a little. form it will yield about he same at last year but not as theavy. Owen

We howent had any rain yet + The cattle how had to be taken out of the wood pasture on acount of water but we have plenty water at home. I will inclose a spicture of the Spalding Wire plow taken by their man in our field, this hows the fourrow twenty two 22) meher deep Truly Treel Stockwell

to much boot, he wants 80 dal. Offered 50 dal & howe looked at some Marlin Mares May have some extra fine ones but the priess are high, Maries Vereleon ar Colydo) meighing. from 13-15 hundred Bound and mone over seven years what and relling from 165-190 each most of them will have solts in the early spring this clealer says he will take our mules not their each value but he would want to see them before seting a fince the Bank in Marlin will Stand good for his quarantee. Our last rain was July 18. Will send Statement of expense with this, Truly yours Fred Stockwell

Denny Tex Aug 29,10 Wa Knopp Wear Sin Markham form to f. brabb on the same teams at this year, No you still want the Davidson fram rented to Davis for next year Our corn is yielding about the same by measure as last year but not so good quality. I have out all our Leguna com + put it up for hay. Our peanute are yielding two ton eured how fren ciere, that is the best we have ever had. Truly Muins Tree Stockwell

Denny Tex Sept 2,10 Dr. Stknapp Washington W.le, Wear Sin your letter of Mug 25 fust reed, low will finish gathering ful the cattle in the large fulla, We will soon how these to sell which I think will furnish money to till we sell our steers, so I will not need any unless I track the mules The Marlin horse clealer is to deliver some horses + mules in Kusse tonow the sent me word he would bring a Monghot would suit un Ower

We are howing very dry weather her now The eraps ceround Denny an generally good and cotton is bringing 14 et. Mours Fruitz Fred Stockwell

Dunny Tex Sept 10/10 W. Knoch Wear Sin We are having some light Showers enough to help The late plas + pasture but not as much as we would like I tracled one of the Small mules for a three year old mare, she is well broken, ish has been broad No an imported fack lout I don't think The is with food if she is with food we pay for The fack service 1250 We have 12 fat hogs thrills are good I will try t sell ment Truly yours Truly Stockwell

Scott, Miss.,

Sept. 20. 1910.

Dr. S. A. Knapp,

Washington, D. C.

Dear Sir:-

I herein submit a full report of my work on the Government Demonstration Farm at this place for this season as the crop is threshed, sacked and delivered as per instructions from the Department.

I arrived here May 1st, 1909, and found that ewing to railroad delays the 5 inch pump and fixtures had not arrived, and did not come until Saturday, the 8th. They were installed on the 10th, and as the flumes were already completed, the water was pumped on the land May 10th. The levees were made with about 4 foot base by a two-horse turning plow following the engineer's grade stakes, throwing up a ridge even with the stakes, altogether making four furrows on each side. This was followed by a triangular home-made contrivance called a push (see A). This push follows the plowing short side in the outside furrow, throwing the dirt to the center with which small levees can be built much cheaper and quicker than with shovel. Of course, if a prospective planter has a light two or three-horse grader, he will have no use for the push.

CHARACTER OF LAND.

I found a tract of land containing, by actual measurement, 24.80 acres, fronting on the public road, running east and west along Lake Bolivar, about 10 seres of the land in a very light sandy loam with several small sandy knolls in different parts of the tract. The tract sloped back towards the south end 560 yards to line and has 31 feet fall in the distance of 560 yards. Of the other 14.80 acres, it is a heavy mixed loam to about 50 yards of the line when it becomes a heavy buckshot. It has 9 levees which inclose 11 contours or cuts, as they are generally called here. These levees have about 4/10 fall which enabled me to have about 1 inch of water on the rice next the upper levee when I had 4 inches on the rice next the lower levee enclosing the cut. I found the levees, which had not had time to settle, merely rows of firy dirt from 6 to 10 inches high, pushed together. They should have been made early enough so that the winter and spring rains should have settled, then pushed up again and settled, and if necessary, pushed and settled again until the levees were settled and about 10 inches above the land level.

It was originally intended to plant the rice in another place on the same plantation, but upon close examination by Capt. J. P. Slattery, of Baaumont, Texas, an experienced rice expert, he found that owing to the depressions and rises, there would be too many sacrifices in the tract, and after careful examination he decided upon the tract upon which the experiment was made.

RICH PLANTING.

The land had been well broken up and planted in corn which was just coming up when the rice was planted. The land was disc-harrowed across thoroughly, then harrowed with a smoothing harrow and followed by the rice drill, planting 2 bushels seed rice per acre from 11 to 2 inches deep. The planting commenced on the 18th of April and was finished on 22nd, a light rain on 20th interfering with the planting for one day. On May 1st, when I arrived at Scott Station, I found the rice coming up fairly well except in two or three depressions which formed a crust which we found necessary to wet down when pump was installed before we secured a perfect stand. Even in wetting down, several of our imperfect levees broke and caused some trouble and loss of water. As the rice was up, it was not possible to build up the levees by mule power without to some extent destroying the stand of the rice next to the levees. so a force of hands was organized and with shovels the levees were built. At this time cotton chopping was in full swing on all the plantations. Labor was scarce, the spring rains had set in and it was difficult to secure labor, and as it was worth from \$1.25 to \$1.50 per day in the field, I was compelled to pay \$1.25 for hands to build the levees. In the meanwhile, as the weather grew warmer, the grass and weeds began to show in numbers, and as rapidly as the levees were completod the land was flooded sufficient to check their growth.

This was continued until Levee No. 9, surrounding cuts No. 10 and 11 on upper side was completed in knee-deep water, and on June 3rd I completely flooded the whole tract for the first time. Before this time, however, the pump had been assisted by the flood of spring rains and had my levees been prepared in the winter and early spring, I could have utilized all the water; but at times was compelled to let it off the tract and lose it as it was a hindrance to building the levees. This brings us to

THE PUMPING STATION.

The pump was a 5 inch centrifugal, bought of the Kansas City Hay Press Company, of Kansas City, with a 12 foot lift from Lake Bolovar into a 30 inch by 12 inch flume, 67 feet long, which brought it to the public road and was carried across same by a hollow brick bulkhead 4% X 2 feet, with an opening in center 12 X 30, and a fall of 6 feet where an iron pipe 24 inches in diameter carried across the road let the water pass to a similar bulkhead, where it rose nearly to same level in a plank flume 120 feet long and there fell into a head ditch which carried it to the opening in cut No. 1, and from there was distributed to the other cuts.

MOTIVE POWER.

The pump was run by a 15 HP gasoline engine, made by the International Harvester Company, and through the season furnished us with sufficient power, as at all times we had from 2 to 5 HP in reserve.

The engine, using about 10 HP until July 3rd, in all pumping 50,000 gallons per hour, was not delivering sufficient water for crop. The engine was speeded up, carrying with it the necessary speed on pump to deliver 75,000 gallons per hour. This was continued until July 8th, when finding that so much water was lost by absorption, I found it necessary to change the 20 inch pulley on the engine for one 26 inches in diameter, which gave us speed on the pump sufficient to deliver 125,000 per hour. With this amount I finished the crop regardless of the absorption.

Now, in explanation of this absorption, as the amount lost by evaporation was hardly appreciable— the first 10 acres contained in cuts Nos. 1, 2, 3 and 4 was very light, sandy loam, with sandy knolls. In these cuts there would be a loss of 1 to 2 inches per diem; in the other 14.80 acres, cuts 5 to 11 inclusive, there would be a loss of from 4 to 4 inch per day. About July 1st, I discovered a series of springs all along the front of rice farm next the lake breaking out about 6 feet below the level of rice farm and 3 feet above the level of the lake. This explains why so much water was used in making the crop.

prpus growth. Tried to keep water at from 4 to 5 inches deep on lower levees around cuts which gave from 1 to 2 inches deep on upper levees; the cockle burrs had all disappeared by last of month and nearly all crab grass where covered by water was gone. The only weeds and grass that still lingered with the crop was coffee weed, which I was compelled to have pulled up

lower leaf, it will still live if left in water; also, the water vine, known locally as the "devil's shoe string". This must be pulled up, although I am told by planters here that it can be killed by deep fall plowing. I must also speak of the ever present and irrespressible coco, which does not retard or interfere with the growth of rice if wholly covered by water. Whether or not it will be eventually killed I can not say, as I have had only a limited experience with it; but it does seem to me that if it is kept from reproducing itself for a series of years, there is certainly a time when it will die. That is, this theory agrees with my experience with plant growth.

During the month of July, and especially after the rice began to head out until threshing time, the blackbird, rice-bird and ortalans came "not as single spies, but as whole battalions", and had I not kept a man shooting them and scaring them out of the field, and sometimes two men, the birds would have destroyed much rice.

About the first of July I saw that the rice in certain spots was not doing well, turning yellow in different cuts. I opened all the flood gates and pumped new water through from No. 1 to 11 every day, which soon restored the yellow spots to a vigorous growth, with healthy green color. From the time the rice began to head I gave each cut all the water the levees would hold and kept this up until I turned the water off. In regard to the yellow spots, my conclusion is that it was caused

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regard to the yellow spots, my conclusion is that they were caused by the water stagnating, and as we had very hot weather at the time, the rice was probably scalded.

While the amount, \$915.00, for making and harvesting the crop seems at first glance to be extravagant, we must take into consideration the high price of material and labor at all times, and that this was a demonstration as well as an experiment and that several dollars per acre were spent for the looks of the station beside the material work, as visitors from Chicago to New Orleans and all up and down the dississippi River were constantly visiting the station, wishing to see and have explained to them the work being done by the Covernment, and it was necessary at all times to keep the levees leveled and free of grass and weeds. Such work, of course, would hardly be necessary for a private individual planting a crop for profit.

The principal items of expense are:-

37 Bbls. Gasoline,....\$259.00

\$550.30

In consideration of the bill of 37 barrels of gasoline.

I would recommend that the Department look at the 10 acres of light sandy loam I kept watered, at the same time at least of the water returning to the lake as fast as it was pumped. Although on this land I raised my best sample of rice and some of the bunches were 6% feet tall, I sent to the Illinois Central Railroad for exhibit in Chicago, three bunches

over six feet tall, one containing 30 heads over ten inches long from one grain of seed rice, one bunch 29 heads and one 26. I made not as showy rice on the heavy soils, but just as many bushels per acre and about as good a sample with about one-fourth as much water.

I would recommend to those contemplating the cutture of rice to let severely alone the light, sandy soils unless they have a most bountiful supply of water. The heavy soil, both mixed and buckshot, anywhere in the Delta where a good supply of water can be had, with proper cultivation and attention will make great crops of rice. In making my average of 160 pounds, I did not weigh all the sacks, but weighed enough of the first 90 sacks, found them to ragge from 156 to 175, and on account of weight did not think it desirable to fill sacks full, but had my sacker to gauge the sacks to have 160 pounds in each. Dunning out of sacks, I was compelled to use thirty old sacks doubled.

SUMMARY.

Took control of Rice Farm
Building levees from May 10

Saw top leaf "dropping"

First heads in cut #4

Heads in every cut

Rice all headed and in full bloom

Commenced turning water off

May 13, 1909.

June 3 when entire crop was flooded for the first time.

July 17,- Sign of heading.

July 20

July 24

August 1.

Aug. 16. Turned all water

Commenced hand-cutting crop

Commenced cutting with binder

Finished cutting and shocking crop

Commenced threshing hand cut rice

Commenced threshing machine cut rice

Finished threshing,

OUTPUT.

482 New sacks, average 160 lbs.

30 Old " " 145 \"

77120 lbs.

Sept. 7-15 days in shock.

Sept.10-17 days in shock.

off 18th.

August 23.

August 25.

August 31.

Sept, 14.

4350 "

81470 "

81470 lbs. @ 44 lbs. per bu. (La. standard)

1851 26/44 Bu.

1851 Bu. on 20 acres -- 92 Bu. per acre.

I carefully measured the tract, found

24.80 and

after deducting land of negro cabia,

yard, garden, burnt out sacrifices on

sandy knolls, ditches, levees &c,

4.85

19.95 actually in

rice.

HOURS PUMPING AND GASOLINE USED.

New 10 to June 3, pumped 316 hours, using 6 bbls.gasoline -- 312 gals.

June 3 " " 18 " 189 " " 4 " " 208 "

June 18 " July 8 " 259 " " 77 " " 350 "

Total 764 " " 17 " " 870 "

Of this time and gasoline

deduct 52

See below

766

July	8	to	Aug.	2,	pumped	339	hours,	using	10	bbls.	gasolin	0536	gals
Aug.	2	11	11	6	17	86	11	11	4	"	π	274	11
11	7	n	" 1	.7	13	117	17	17	4	17	***	243	. 11
			Tot	al.		542	17	11	351	. 11	ıı	993	n
May 1	0	to	Aug.	17,		764	17					870	87
11	11		11	11		542 1306	7 17	ust	ing			993 1863	17

In threshing used 14 bbls. gasoline.

81 '

In addition to the threshed rice, there was baled of rice straw equal to first-class prairie hay, 1300 bales.

1300 bales, averaging 60 lbs. _ 39 tond @ \$8.00, \$312.00.

FINANCIAL STATEMENT.

United States Government,

In account with Hon. Chas. Scott.

1909.

Sept. 15

To acct. rendered

\$1238.00

500 new sacks @ 11g

55.00

\$1293.00

Less Cr. 1 empty bbl. \$1.00

Credit on 5 in.

pipe,

1.05

3 bbls,gaso-

line on hand, 20.95

23.00

\$1270.00

\$1270:00

Deduct value of implements, permanent fixtures, levees, flumes, binder &c.,

\$915.00

CREDITS.

482 sacks rice av. 160 lbs.

30 sacks av. 145 --- 27 " " " " " " 4.00--\$2036.09

1300 bales rice straw av. 60 lbs. -- 39 tons, 6 \$8.00--- 312.00

Dr. \$915.00

0r. \$2348.00

In conclusion, I will say I am greatly indebted to Hon.

Chas. Scatt, his manager, Mr. A. A. Duncan, J. E. Butts, and

J. N. Ford for their intelligent and active cooperation in the

work, and many thanks are extended to them for willing assistance

rendered upon all occasions when it became necessary. For the

success of the experiment much credit is due to the fidelity and

zeal of my colored engineer, Alf Campbell, who was to be found

at his post day or night ready to carry on the work. And fur
ther, I wish to thank all members of the Department with whom I

have had relations for the uniform courtesy and kindness with

which I have been treated while carrying on this work.

Respectfully submitted,

J. K. Hanna,

Special Agent.

A-- DESCRIPTION OF PUSH.

It is made out of 2 X 8 inch plank, 2 pcs. on each side, one side 8 feet long, the other six feet, at the end of the 6 feet side, place a cross piece with proper bevel and nail securely to 8 foot side as well as the 6 foot side. Have the front end beveled so that it will come to a point at which place nail securely; in this angle at the front inside, fit in a 4 X 4 16 inches long, properly beveled to fit the inside of the angle. Have large clevis and fit on after covering the front end for one foot back with smooth tin or iron roofing, nail cleats about 4 inches from bottom, floor it, fill it with soil for weight, nail plank across for covering and it is ready for use. The whole thing will cost about \$3.00.

Wenny Tex Sept 25, 10 D. SIKnaph Washington Willer I loop seven Shoot to Marlin Sold at 8/2 et, they brought 101.55 net I have sold 3 more at same price to be delivered any time in the nest two months I saw Mr Chas B Monday, he it anxious to have you speak in martin on Oct 7 or 8, he Says if you go there he will ling you to being in their auto, any timo you wish We are howing to water all the Stock from the well on the Danctron place Touly your Fred Stockwell

1215 Grittenden Street, N. W. Washington, D. C., November 1,/10.

In order that you may be advised of my itinerary work, as soon as I return home from any extended tour I make a general outline and am sending such an outline of my recent trip to you.

Iowa where I remained until October 2d, when I left for Oklahoma City to attend a meeting of our agents. These meetings are
of great interest, to me and to the agents who attend. The
meeting was quite successful, both in point of interest and in
the large number of agents that were present. We were able to
discuss the various phases of agriculture in the Indian reservation where very peculiar conditions exist in Oklahoma and especially in the western territory where there are quite a number
of counties in what is known as the semi-arid region, and I was
able to obtain considerable valuable information in regard to
the treatment of these lands.

On the evening of October 5th I left for Corsicana, Texas, where I was to meet the Member of Congress from that District, Hon. Rufus Hardy, and Mr. Colquitt, the nominee for Governor upon

the Democratic ticket. On the 6th a large meeting was held at Corsicana and I had the pleasure of addressing that body, which gave marked attention. On the evening of the 6th I left for Marlin, Texas, by the way of Waco, remaining over night at Waco where I met several old friends. Arrived at Marlin on the merning of the 7th. Our meeting of the Boys' Corn Club at Marlin was full of interest. The work has created a great sensation in that part of Texas. I remained at Marlin over Sunday to dring of their water which I consider the best of any almost, in the world. Morday, Tuesday and Wednesday I was at the farm looking over matters and taking in the situation. Then I went to Lake Charles where I had a delightful visit and rest for nearly a week. Lake Charles is greatly improving. Cortainly Arthur has a great proposition there. I found them all very busy but I had a most delightful time because I took a human interest in everybody in that section and it was quite a new experience with me to feel interest in every man, woman and child and to know what had happened since I was there. On the 22d I returned to Dallas, Texas, to attend a meeting of our agents, which was held at the Fair grounds. We had a very enthusiastic meeting. The Fair was simply a surprise. There were 125,000 people present on one of the days and the exhibits were of marked excellence, especially in lines of machinery and agricultural products. On the evening of the 26th I loft Dallas by the way of New Orleans to attend a meeting at

Tuskegee Institute, Alabama, where I wanted to look over the work we had been doing in cooperation with Booker T. Washington. Arthur, Inez, the baby, and Minnie Mayo met me at the train as I passed through Lake Charles. I had the pleasure of greeting and saying good bye.

A storm prevented our crossing the Mississippi. The best that towed us across was unable to make a landing. Every time it let off steam to land us we were blown back across the river and so we simply struggled for over three hours. Then they sent for another boat and the two finally succeeded in landing us, so that I reached New Orleans at ten o'clock instead of 6:45 P. M. This made me too late for the night train and made it i possible for me to attend the meeting at Tuskegee, and I proceeded directly to Washington arriving at 10:45 P. M. on Saturday night.

October 29th. Bradford and tella met me at the train.

Possibly you may be tired of reading this uninteresting account but you can file it away, simply to know where I was.

We are now plunged into the depths of piles of letters which accumulated during my absence.

I am in perfect health.

Affectionately.

Du Knapp Tex New 1, 1810 Washington W.l. Wear vii was missent to Denison + 8 record to last night I had the well cleaned ant might away after you left, we worked two clays to take out two fit of much we were most of the time chrowing water, there is a vain of sand at the luton of the well + the water comes from Mat, The bottom of The well only reaches the somot, there is six fit of water in the well, We havent had would enough to lest the well for only three clays at one time

after fumping for 16 hrs it lowered the water to 2ft til took one hour to fill to six ft. The wheel will fring about five blos per ha so your som form some I clea how it will last I made the concrete steps at our front door, we made thre steps 7 in rise 11 tread it took 130 lbs cepnent one 15 + seven hrs. labor bereder houling noch un it evet complete one go dol. for the best steps on any fam house in fælle be I bought 3 overfinste at 17 et lach. We have had only one light shower since you were there. I have written to Mantin t house made arongement to meet the agent of the

Mesa to day in Kosse so I think we will truly our feed within a day on two so far our best offer to 30. dul per ton on meal 930 en hulle Mr Adame leaves the Dourdon form the tillable land bast of Me of it on the reg, terme 1/3 for som 14 for cotton t planet We to furnish fire of charge The dise plow to plow dup with the to great the torust We will probably here him to chrub the brush yours Truly Thed Stockwell

Henry Tex Dee 10/10 Was & Henroff Mashing ton hole Dear Su your of the 5th ind rec! I think thank her blen a letter last. I began feeding the. steen New 21 and put then on full feed New 28, 8 feed 3 lbs meal & 5/2 lbs hulls for each Steen each clay. I sent you a list of the weight of each steen but Rammat this time on the is not time befor morel. We show not had any reun to amount to anything for slock but we can plow I am having men guiling on the Diviction place

We much a touch m The posture worth of the house 120 ft long that well hold from 3-6 felef water, I am now putaling the west time of the monked on it town clays, it. mill tooke from mon olays work to complete it, this should hold with y water round beach it up 100 yels, me are making this clam 28 felboule, the riche of the gulley are solice rock for left the Show 16 hogs running in The north posture, that are clong as well as those on full freed of corn, thes 16 and having no com. Ocen

Then it a big enop of acount We how green valt from the little pigs + brood sows, the little frigs also have all the love t planet they can eat as well as acoms, the elos sunt are getting low to The Commission men advise selling the steers about Jan 10. Truly Yours Finled Stockwell I have written this at the Past Office South Horney

Dunny Fen Dec 8,10 Wa Knopp Wear Sir yours up New 30 recar Markhank have neven presented their bill although I asked Them to more thom a month age I could not make a concrete Awigh at the wind mile while the south our watering There ar it takes from two to four weeks for it to day, so I made one out of 2x6-16, I made it 16 ft. long three ft; wick and Ift cleep + painted it rentrich, this holds enough water to last all our stock a clay now

At I died not out the lumber for the trough, it will be as govel at ever for most purposes + The only expense on it will be the tout hall. but only nine inches cleep which is as deep as me ean go with but as it is late I think it your Truly Frect Stockwell THE REAL PROPERTY OF THE PARTY 的对称"一种"一种"一种"一种"一种"。

Wenny Tex Weel 9,10 hin Knapp Wear Six We have been howing some fine showers the last week, the land is wet as cleep as we want to plow but no stock wester net I haved a grubing machine to full the stumpe to there on The Dourdson track, it is custing only 1/2 ou much our the grubing by home, the scatering trees would have to the grubed by branch The big mare we tracked for while you were here works fune to a plow, she is still Min but weight 1100 lbs, she well weigh 1200 when she is in good working flesh. Truly yours, Fred Stockwell

The big more will have a call in the spring + probably the sorrel will howe a mule, Well will not have one till fall

Wenny Tex Dec 27 1910 Wa Knopp Kind molosles bill from Markham Ausworth Hee, I think you provid The first two items as 8 0/ The will July 1, As we will sell the cattle right away it will be just at well for you to return This will from me to settle but let me know about More four two verns We are howing fine weather leaded you get forom the hand Department of Agriculture two dez peach trees if you cant will you rend me the name of a good nurlery man. Inuly yours Fred Stockwell

Wenny Tex 12/24, 10 her Knopp Wear Sir We bound had a good nam, all the lanks are about /2 full, the stock will howe plenty of water whereir they want I gut 30 00 clock for one hog yesterday and 1470 from a shote one 15 months ald weighted 375 lbs, the other 12 mo ald weighed 190 lbs. As you howe probably noticed our hogs and are larger than

even before + The young ones nearly recoly to sell will be as good as these sules this fall + winter. I should have weighed The steers again Wee 22 but the weather has been to back to tend to it Tuly yours Fred Stockwell