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 Nome

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 Non Hiscellancous Geading

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| Survey of Work to be Done on Panama Canal. |  |  |
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| Dr. C. A. Stephens, who has been |  |  |
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| ter of stories of adventure for boys,has recently visited Panama, where he |  |  |
|  |  | mine, and the |
| has had excellent opportunitles for observing the great project the nation |  |  |
|  |  | It welghed 1152 pounds and sold fora trife over $\$ 35,000$ and this shows that |
| has undertaken there. <br> Americans speak glibly of the possi- |  |  |
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| bility of a tide-level canal at Panama.of this Dr. Stephens says: "It is not |  |  |
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| Of this Dr. Stephens says: It is notall easy matter to estimate the exact amount of earth which would have to |  |  |
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| be removed to get a clear channel across the Isthmus, thirty-five feet be- |  |  |
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| low low tide at Colon and at LaBoca on the Bay of Panama. But computing |  |  |
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| it at the varlous levels, step by step | ent it has been brought there by the |  |
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| up to the Culebra, through this vast cut and beyond, deducting what the |  |  |
| French appear to have done, we obtain $446,000,000$ cublc yards as a very conservative estimate of what remains |  |  |
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| to be removed in order to have an open ditch from ocean to ocean, 150 |  |  |
| feet wide at the bottom, with 35 feet of standing water in it. As to the |  |  |
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| length of time required, we have to guide us only what the new French company have done. It is agreed on |  |  |
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| all hands, however, that they have worked with a fair degree of dillgence and with honesty. |  |  |
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| 1897, the new company employed 3,600 men and removed, mainly in the Cule- |  |  |
|  |  | that brought the inders camp went crazy with exctement |
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| This was by far the best ever done by the French. Adding 40 per |  |  |
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| cent to this 960,000 metres, for better American methods and better ma- |  |  |
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| chines, and assuming that laborers in place of 3,600 , we find that to remove |  |  |
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| the $341,600,000$ cubic metres forty-six years and nine days will be required, or untll 1951. By employing 30,000 la- |  |  |
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| borers the work might be done thabout thirty-one years. More thana |  |  |
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| accidents, a tidewater canal at Panama could not be completed before 1936 -so that few of the present generation |  |  |
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| would see it. Immense Cost of Tidewater Canal. "As to the cost of a tidewater canal |  |  |
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| at Panama, reckoning laborers' wages at only a dollar a day, and the sala- |  |  |
|  |  | cided to remove only because |
| ries of engineers, foremen, etc., at equal!y reasonable rates; adding pres- |  |  |
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| ent cost, figures for machinery, tools, explosives, transportation, hospltal equip.nent and maintenance, with the thousand other minor expenses, and to |  |  |
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| thousand other minor expenses, and to this the interest on the money as used for thirty years, at 3 per cent; I am |  |  |
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| for thirty years, at 3 per cent; I am unable to find the amount called for to construct a tidewater canal at less than $\$ 570,000,000$, or adding the price | t |  |
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| of the canal from the French company, $\$ 610,000,000$." |  |  |
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| Magnitude of the Project. <br> Dr. Stephens in other ways makes |  |  |
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| more dis |  |  |
| we are already committed. The Cule-bra cut he describes as the greatestthing of its kind ever undertaken by |  |  |
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| man. When complete it will be three fifths of a mille wide at the top, falling |  |  |
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| off to a width of 150 feet at the bottom, into which the great lake made by the |  |  |
| dam at Bohio will flow back, filling it |  |  |
| to a depth of 35 feet. From the top of the Culebra on the north side of |  |  |
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| the cut the depth will be nearly or quite 400 feet. |  |  |
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| These figures, he says, convey ittleidea of the tremendous quantity of |  |  |
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| ed. It is not until one descends into |  |  |
| this vast trench and marks how tiny the locomotives and great excavators |  |  |
| 俍 100 k when seen in the prodigious |  |  |
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| A. Y. CARTWRIGHT, SURGEON DENTIST <br> yorkville, s. c. $\qquad$ Office in upstarss rome or Cartwrigin Builiding, opposite Telegraph and Ex press offces. $\qquad$ $\qquad$ $\qquad$ $\qquad$ thereby obtaining the best posaible re sults. <br> As Far As Prices <br> Are concerned, you need not worry yourself along that score. I know my prices are reasonabie and you wia agree with me when $I$ tell you wha op and print pictures taken with pookreasor any other camera, and or any reaur pletures, bring them to mend prrm yout my |
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SOUTHERN RAILWAY




