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Adventures of a Drop of Water.

R. M. STUART,

I was form a great many years ago—so many that I can hardly tell how old I am; but I was here in the world before the green fields and the trees and the flowers which you see had any existence. I am one of a very numerous family, and have generally fixed in company with many of my brothers, but sometimes, too, I have lived alone. We are a very industrious family, never being for a moment idle, and we have lived singly or in company, as the nature of our work for the time might call for. I have been in every part of the world, and have lent a hand in simost everything done in it, so that the instort of my tife would be almost count to a history.

piled, and the magnitude of our work increased. A story (which I hope you have all read) is told of a prince, who by putting on a little red cap, became invisible, and he had then only to wish himself in any part of the world, to be there immediately. By folloing hands with a sunboam, I have often had the experience of the prince, at least so far as to be invisible. We had only to obey certain laws by which we were governed, to be at any piace desired in a very about time. I have floated for days, or even weeks at a time through the air, generally making a visit to the earth at night, when I assumed a visible form and was called dew. On those visits my work was to refresh the tired and thirsty plauts with which the earth became covered, and so help them to grow. In the morning I would rise on invisible wings, and floating again through the air, descend to repeat the same work on the return of night. At other times we would descend

and next time you see the snow coming down quetly, in large feathery fakes (for it is then that the stars are most perfectly formed), each a few on a dark woolen cloth and look at them through a maguifying glass; quite a common, cheap one will do. You will see the most beautiful six-rayed stars you can possibly imagine. You will find them in more forms than you are likely to count, but with all the variety, they are all alike in this, that they are six rayed, and that each little projecting spear on the rays is set at an angle of sixty degrees from its neighbor. Perhaps you may think such beauty was only made to be looked at and admired, but in this form our special work is to keep the earth warm, to robe the flowers and grass and plauts of every kind in a warm covering and keep them from the winter's cold. Our special work, I said—for near to us in our form of snowfakes lies yet another transformation, on undergoing which



THE DROP OF WATER HRLPS TO FORM AN ICEBERG.
Express of ter Hill for the American Agricultural

of the world. But I am much sette: accustomed to doing than telling of things done, and moreover, a full record of my life would occupy not viy a rotune, tor a library, so I shall at present neption only a row of the wonderful things that have happened to me, or in which I have at various times torne a part. One of the first works in which our family was engaged, was moulding the form of this world of ours—its continents and thand, mountain ranges, varietys and the like. In this work we had several powerful allies, chief among which was the smilght. Indeed, in almost every reference in which we caraged, sunlight, as a powerful helper, went with us hand in hand

powerful belier, went with us hand in hand.
This work of hand-building occupied us for a long time, and In its performance we had many carie experiences. We had to quarry materials from the solid weeks, over which we flowed, and transport In other regions. Our first deposits were fol-Limited by mary successive opes, and as time west in, we were castiled to collect a greater rainely of materials then was at Bret tower-te-so forming, in thm with the other forers before refer to, the diff rest strata which underlie the surface of time earth. In those we left passages which we result traverse at will, and which we constantly reented in the course of our bloom. Manya hill we 'ed, and mary a will leap we took late depths that are most metalli-marile, but morre unice did we et leaders or line set may . He outspreped verted assem of communication between the at status parts of the word, and after a time, part mon valied lend was raised above the the forms of our activity here been greatly make

in a more dense form, and were then called rain Our work was much the same as the dew, with several added departments. We sank into the soil to the roots of the plants, and carried them food which we had gathered in the air. We penetrated between the particles of soil and opened a war for the roots to follow us in search of other kinds of food which they found in the earth. We gathered in hollows of the rocks, from which we issued as springs, and ever increasing in number as we went, became rivers, and so travelled over the surface of the earth in channels, which we alternately found and formed. Some of these rivers, such as the Mississippi and the Amazon, are very large, and their influence can scarcely be estimated on the countries through which they flow Others a small as to be called morely creeks—but all, large or small, are capaged in the beneficial work of watering the corth and fitting it for the dwelling isce of men and chiamit, as well as of regetable life. In this form tou, we have done a great deal of the same kind of work of which I spoke as done by the occus, viz., changing the form by carrying portions of it along with m, and de-positing them chiefly at our journey's end, which is always the sea. From this we arrise rise is an invisible form to repeat our journeys around the

Rot this is not the only transformation I have undergone. By the inflorence of the sunbatum we were rendered invisible—if they were through along measure withdrawn, we were changed into myriads of the most brandful stars. You have seen thom hundreds of those, though perhaps you have serve looked closely cannigh to know how beautiful they were. You call them assembles,

our duties are widely different. We can only become snowfakes by the withdrawal, in a large measure, of the sunbeams, after we have been Chargod into rapor—in other words, when we meet a current of air cold canagh to freeze us. As rapor, we traverse the regions of the air throughout the whole world, as snow, we can fall only in latitudes where the air will conceal us. In warm countries. the air near the earth is always too much heated to do this, but as air is not nearly so good a conductor of heat as the carth, as we mount upward we often find air cold coough to change us into snow. Of course we can only remain on land which is as cold as the pir, so in these countries we fall only on the tone of high mountains. There we remain wall layer upon layer has faller, and the weight of the upper ones, with the cold continued or in-crossed, has pressed the crystals in those below late a solid mass, known by the general mine of ice, but in this particular form called glaciera Then, as more weight is added above, the muss be gias to more down the mountain, very slow is he progress, but still it mores. After a time it reaches warmer air, and its lower portions begin to We have again become water Son scattered a detrook bas flos eds osci side wou now sent into the set and needed a creation of growth of plant life, some form springs and streams, and travel on to carry refreshing and besety wherever we go, never stopping, until as before, we reach our home, the ocean. But though some of the particles composing it have s sot free, the glacier still remains. Presh suc falling on the heights renews the ice as fast as it is maked, and forms an inexhaustible reservoir from which the streams are supplied.

