

PERSONAL.

C. F. Vance, Esq., a leading Memphis lawyer, is in the city. Mr. W. F. Coulter is in the eastern markets buying goods for the fall trade.

Miss Susie Phillips, daughter of Capt. Frank Phillips, is visiting in the city.

Post: Harvey Hogg, of Clarksville, is mingling with the Paris merchants this week.

Mr. R. L. Davall, who has spent the summer North, is at home again looking much improved.

Miss Jennie Trandle, of Maryland, is visiting her sister, Mrs. A. L. Whitaker, in this city.

Miss Tabbie Honar, of New Providence has been spending some time with friends in Kentucky.

Mr. J. S. Neblett, the senior proprietor of this paper, has been kept at home by sickness this week.

Mr. R. W. Beach will leave this evening for New York to purchase his fall stock of goods, notions &c.

Mr. Will King, who has been for several months residing in West Tennessee, has returned to Clarksville.

Master Harry Hamner, of Yallaha, Fla., was visiting friends in New Providence the first of this week.

Miss M. E. Ford and Miss Mattie Collins have been visiting Mrs. L. T. Gold in New Providence this week.

Mrs. Emma Ramey and Mrs. Jennie Turner, of the Southside, were visiting friends in the city this week.

Miss Rosa Lou Moore, of Nashville, was visiting the Misses Caldwell, on Greenwood avenue, Thursday and Friday.

Mr. W. H. Beaumont, of W. H. Beaumont & Co., of Nebo, Ky., was visiting Mr. Sterling Beaumont, of this city.

Col. N. Brandon of Dover was in the city Monday. He has many friends here who were glad to see him after his recent illness.

Mr. Buford Wisdom, after spending several days visiting his mother in this city, returned Thursday to resume his business duties in Little Rock, Ark.

Esq. Chas. D. Bailey and Judge H. H. Lorton have gone to the Mackinac region of Michigan, where they will spend a month in fishing and hunting.

Rev. T. J. Duncan and family passed through Clarksville Monday evening, on their way to Columbia. Mrs. Duncan has been spending the past month in Dover.

Misses Sophie Lee and Anna Houston, of Memphis, have been in Clarksville during the past week on a visit to their aunt, Mrs. Lane, on Greenwood avenue.

Miss M. Virginia Chappelle, the accomplished music teacher in Broadhurst Institute has returned to her duties at that seminary. She spent the vacation at her home in Pennsylvania.

Mr. J. W. Perkins is again employed as a salesman at Legion's confectionery. He is known to be quite accomplished in that special business and every body is glad to see him at his old place.

Two young ladies from Nashville have been employed as teachers in the public school. Miss Eva Bailey and Miss Jennie Foster, both of whom are very competent teachers and personally pleasant.

Miss Addie M. Deihl of Maryland has been employed as teacher of modern languages in Broadhurst Institute. She arrived in the city last week and entered on her duties at the opening of the school.

Miss Adair Humphreys has accepted a position as governess in the family of Judge Baxter, near Nashville, and left Wednesday to assume her duties. She is very popular in Clarksville society and will be much missed here.

Mr. John H. Caldwell, who has been visiting his brother, S. A. Caldwell, Esq., for the past two months, will leave for his home at Orangeville, Texas, next Monday. He will be accompanied as far as Paris by Miss Mamie Brown and Miss Mary Caldwell.

Mr. Irvine Edmondson, accompanied by Miss Fannie and Kitty Edmondson, Lizzie, Maude and Mary Uesery, visited Mrs. E. H. Beaumont's week. The young folks of that neighborhood spent a pleasant day at Dunbar's cave Saturday and the Southside party returned home Sunday afternoon.

Prof. W. A. Yarell left Monday to take charge of the public schools in Paris, having been elected school superintendent in that city. Prof. Yarell is a competent teacher. He has been connected with the schools in this city, and has taught in other places. His leave, Miss Ivis Duke, will leave for the same place next Monday and will assist in the schools.

The following taken from an account recently given in Hopkinsville: Miss Helen S. de, of Clarksville, who has concluded to take up her residence in this city, and has already gotten up a music class, sung two solos with splendid effect. She has a soft, musical soprano voice, and decided talent, and the style and grace with which she rendered her part had a charming and electrifying effect upon the audience.

A party composed of Mr. George S. Irwin, of this city, Mr. George C. Hunt, of the Nashville World, and Capt. Burros, of Baldwin, Miss. left Clarksville recently for an extended stay at the Northern Pacific railroad and through Yellow Stone Park. They will be joined at Fort Ellis, Montana, by Lieut. F. G. Irwin, of the 2nd U. S. cavalry, who will accompany them through the Park. Lieut. Irwin is a brother of Mr. George Irwin and formerly resided here. He was with Gen. Sherman on his visit to the Park and his familiarity with that region will make him a valuable addition to the party.

Single and Double Flowers.

The changes of fashion in regard to the preference for certain flowers and their modification, effected by florists to meet these changes by the production of new varieties through light upon some interesting principles in vegetable physiology. Those who have been interested for any length of time in floral culture must have observed the success with which double flowers with innumerable petals have been obtained from the single and comparatively simple varieties produced by nature. There are two families of flowers in which this can be effected with the greatest success, viz: those allied to the rose and a family called by the botanists compositae, of which the sunflower, aster, daisy, dahlia, &c., are examples. To understand how doubling takes place in these, we must give some attention to their structure. In the case of the rose, the flower is composed of many stamens and the pistil which is the organ concerned in the elaboration of the seed. Now, even in the wild state there is observed an occasional tendency to doubling by means of the substitution of additional petals for stamens, superfluous petals in short are formed at the expense of the stamens. It is by taking advantage of such tendency that florists have produced the double roses so highly prized by their customers. They selected at first specimens in which a tendency to doubling was manifested by the spontaneous appearance of superfluous petals accompanied by the disappearance of stamens; planting the seed from these they would generally find in the next generation specimens in which this tendency had gone further, flowers with still more petals and still fewer stamens; selecting these for seed the next season and continuing the process generation after generation, they have at last arrived at perfectly doubled roses, flowers, that is, having an immense number of petals and no stamens at all. Here the process necessarily stops, for such flowers produce no seed, the influence of the stamens and the pollen secreted by them being essential to the elaboration of seed; as soon therefore as all stamens have been replaced by petals, the production of seed is impossible and such flowers can only be propagated by cuttings, layers, suckers, buddings, &c. It is hence easy to understand why perfectly double flowers are not produced in nature, for if it has been once that the more petals the fewer stamens and consequently less seed; and in nature the stronger and more prolific plants will always outgrow and take the place of the weaker and more sterile, just as the thistles are now exterminating some of our valuable native grasses. When modification takes place under the influence of man it produces qualities useful or agreeable to him, but where it occurs in nature it produces only those which are advantageous to the propagation and preservation of the plant.

In the composite

the process of doubling is in principle the same, except so far as it is modified by the structure of the plant; a Sunflower or a Dahlia is not, like the rose, a simple flower, but an aggregation of many flowers arranged in circles around a centre, the outside flowers being strikingly different in form from those which constitute the central disk. The former are called the ray flowers and the latter the disk flowers. Taking a single dahlia as an example, (the double dahlia being no natural or typical form of the plant, it appears as a consequence of a slight modification of the disk flowers, which are rounded a yellow disk of what appears at first slight numerous stamens; but both the apparent petals and the apparent stamens are each of them an independent flower. If one of the petals be carefully separated from the rest, tearing open the calyx first, it will be found to be the single petal of an individual flower, somewhat resembling in form to a calli Lily, it base being twisted round into a tube containing a rudimentary pistil. On the other hand if the yellow disk be separated into its constituent parts it will be found to consist of innumerable yellow flowers, each having eight petals united into a tube, containing a pistil and several stamens which will be seen to be as completely developed over with yellow powder, which is the pollen or seed-producing secretion of the stamens. The ray flowers are sterile, the disk flowers alone being fertile or seed-producing. In the process of doubling, superfluous ray flowers are produced at the expense of the disk flowers and in the perfectly double dahlia all the disk flowers have been replaced by ray flowers and the plant is sterile as in the case of the rose.

So that in the eye of the botanist

the double flowers are non-sterile and, however beautiful, diseased products of artificial interference, like the misshapen feet of Chinese ladies. But a curiosity of the floral art is that fashion, after a fifty years' demand of double dahlias, is now retracting and the eye of the obedient florist is reproducible the single dahlia which has long been contemptuously rejected from gardens of pretension; and herein fashion for once has shown excellent taste, for the old single dahlia was a very beautiful flower. Among others, our very intelligent Clarksville florist, Mr. Munro, is now cultivating several of the single and besides several other fine seedling varieties has produced one which we consider unique and which we believe has never been surpassed even when single dahlias were all in fashion. It has been named the Asterias from its star shaped appearance; around a fine orange yellow disk are arranged eight oval rays slightly pointed at their extremities; near each extremity is a patch of crimson which does not

NEW ADVERTISEMENTS.

Open Moore & Adkinson have the agency for Buttrick's patterns. See notice. The residence of Dr. S. Bennis on Madison street is offered for sale or rent see notice elsewhere.

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