drone layer often lays more than one in a cell; be latter is smaller in the abdomen and not so the smaller in the case. (2) If a drone yer from old age, she lays quite regular, one in Cell, if a young unfertilized queen there is the more than one in a cell. A fertile Norker lays sometimes two or three in a cell, and Ratters them promiscuously in and around the the sides of the cells. (3) No apparent differthe in the eggs only in the order in which they the deposited, and the capping is elevated and the capping is elevated and the rese in all drones before they emerge from the cells.

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P. H. ELWOOD, STARKVILLE, N.Y. - (1) By their work usually. Sometimes there is a differthe "ork usually. Sometimes the diff. (2) I don't know. (3) I don't tell the difference. I have never seen a fertile worker athough I have been looking for one for half a Core of years. In several thousand swarms \mathbf{h}_{ade} queenless by our method of raising honey bave observed no eggs laid except by queens. In breaking out queen cells when queenless for a week very many stocks will raise queens from the unsealed larvæ. Such queens are good enough to lead off swarms and to make considetable trouble at home. They preserve so much $\mathfrak{A}_{the}^{trouble}$ at nome. They prove $\mathfrak{A}_{the}^{trouble}$ queenly appearance that the experienced eye need never confound them with workers. In Cool weather the same state of affairs may oc-Casionally present itself after being queenless for eight days.

G. W. DEMAREE, CHRISTIANSBURG, KY.-(1) here is no way to distinguish a drone (egg) bying queen from her fertile sister except by her progeny. I have had two or more queens latu none but male producing eggs that were uply superb queens as to size, form, color and ualestic carriage and deportment. I kept one of Wese queens that had every opportunity to mate when of the proper age, during the summer, and torce by supplying her with young workers from other **Other** ^{Colories}, and with all this trial she produced **Other** only male progeny. (2) These queens perform ${{{{\bf{b}}_{elr}}} ^{(4)}_{elr}}$ work just as do the fertile queens. (3) With such queens as I have described you must wath **Wait** till the brood is capped to distinguish the **be** the brood is capped to the start and do $\begin{array}{c} \underset{lay}{\text{Will }} & \underset{lay}{\overset{\text{Once in a great while a young -}}{\overset{\text{Once in a great while a young -}} \\ a_{Wk_{11}} & \underset{\text{output }}{\overset{\text{Once in a great while a young -}} \\ & \underset{\text{output }}{\overset{\text{Once in a great while a young -}}{\overset{\text{Once in a great while a young -}}} \\ \end{array}$ $\mathbf{a}_{\mathbf{W}_{\mathbf{W}}\mathbf{W}_{\mathbf{W}}\mathbf{a}_{\mathbf{T}_{\mathbf{G}}}}$ is drone eggs at the state of th aright afterward.

APICULTURE COMMERCIALLY.

 V_{th} No. 42.—In the March No. of the American Apiculturist I asked five Questions to which two replies were

which was to the point but the conditions between California and Ontario being somewhat different his views might not be applicable here; the other by Mr. Demaree is somewhat unique inasmuch as he thinks "a bee-keeper does not need as high a salary as a first-class clerk." As neither of the replies hits the nail squarely on the head I beg space to repeat the questions and solicit replies through the C. B. J.

Charging for salaries for work (1.) done, for necessary expenses, and for depreciation in the value of accessories. does bee-keeping pay?

(2.) If yes then suppose a specialist having a fair field for operations where basswood is fairly plentiful, say in some line of railroad where his apiaries could be located about every four miles, and running them say for extracted honey at 10 cts. per pound, how many colonies would he require to have to ensure him an average salary of a first class clerk, or say from \$1000 to \$1200 per annum over and above expenses and depreciation?

How many assistants would he (3.)require during the honey yield to operate these colonies successfully?

Given a first class hive and fix-(4.) tures, how many colonies could one man examine and extract honey from in a day of ten hours hard work?

(5.) With proper assistance how many colonies run for extracted honey could an apiarist successfully oversee ?--Apis Canadensis.

DR. J. C. THOM, STREETSVILLE, ONT.-I have never "ben thar" and don't consider myself capable of giving an answer without using more "ifs" than might be satisfactory to the enquirer.

PROF. A. J. COOK, LANSING, MICH .-- (1) Yes, if carried on wisely. (2) In our best locations 100 colonies, if he were a real "bee master." (3) Very little. (4) 25 to 30 easily, (5) Mr. Jones must answer this, or Cap. Hetherington.

DR. A. B. MASON, WAGON WORKS, O.-(1) It depends upon the man. (2) From twenty to seventy-five. (4) Almost ad infinitum. (5) With proper assistants an experienced apiarist could oversee thousands of colonies.

DR. C. C. MILLER, MARENGO, ILL.-(1) I can only answer the 1st question and to that I given, one by Arundell, of California | in all cases, but is the true one in my own case, answer "No." This answer may not be correct