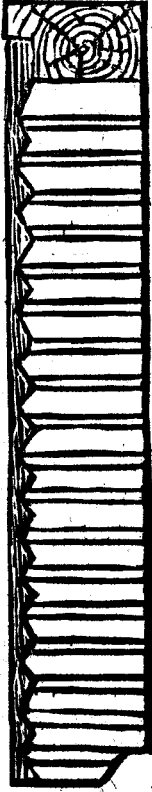


illustration is a reduced copy of drawing sent, and shows our plan of fixing the foundation to the side of the frame. Since then there have appeared the ideas of some of our own bee-keepers on pages 22 and 34 of *B.B.J.* However, it now appears that the same idea of having cells built on one side of foundation only and fixing this to the side of the frame instead of the centre occurred to others besides ourselves, for about a week after this our friend M. Bertrand sent us a



circular describing the identical thing. A few days later, in the second number of the *Nordlinger Bienenzeitung* for this year, appeared from the pen of W. Vogel, the editor, a description of the very same thing, and it has since transpired that the invention of M. Koerbs is the same.

With the *Centralblatt* for 1st March we receive a circular from Otto Schulz, in which he states that the same idea occurred to him, and he corresponded with Koerbs about it, but as the latter asked so high a price for his invention, he could not come to terms. He, however, made application for a patent, and subsequently visited Koerbs and submitted his own ideas to him, with the result that they have come to terms, and by amalgamating their ideas the article will be manufactured and sold by the name of

"Schulz-Koerbs" foundation. The new foundation is made on glass, wood, tin, card-board, or other material, with the impression of the cells in wax on one side, the other being left smooth. Of those who wrote to us, it will be seen that only one is anywhere near the mark, namely, Mr. J. Hall, who "guessed" that Koerbs did away with the midrib, although he did not "guess" that the rib was placed on one side. Although we do not for one moment wish to claim any priority in the invention, and should have thought nothing about it had not our attention been directed to the matter; still, while giving M. Koerbs the credit of the invention, it shows that when a number of minds are directed upon one subject, the same idea may occur to several at the same time, as it has to Vogel, Schulz, and ourselves; and we might even include Mr. Hall, as his idea is very near the mark.

The idea of having one-sided foundation is certainly novel, but it remains to be proved by experiment whether it will be of so great a value to us as it would be to German bee-keepers, whose hives have a brood-space so much smaller than ours.

Embedding various materials in wax for foundation is not new, and has been tried from time to time during the last twenty years or more; we ourselves used foundation on paper fifteen or sixteen years ago, and it has been repeatedly described, as well as embedding thread, silk, and other substances, both in the English and American journals, so that there is no novelty in this. We take the present opportunity of mentioning this because a correspondent on page 38 has evidently fallen into error by supposing that the idea of embedding other material than wire originated with him. A search in the back volumes of the *B.B.J.* would have shown him he was mistaken.

A great many years ago before foundation machines were made we became interested in comb foundation and tried glass, wood, tin, paper, etc, without much success. In one of our experiments we waxed the side of the division board and placed it next to the combs. They drew out cells on some of it, other places they would build brace combs between that and the combs next. Portions of the wax, especially towards the bottom of the division board they did not seem inclined to draw out, and spots of smooth wax were left untouched. We could induce them to build comb or draw them out by taking a small hexagonal stick and indenting the thin layer