and I am now wondering whether I have made it large enough. If I had it to do over I would make it fully 16 inches square as described by Mr. Bingham, and will do so later if the bees become uneasy during winter.

But the special feature of the Bingham cellar is that it is virtually a cistern-that is, the walls of the cellar proper are a 1 under ground. without any part of them projecting to the outside air to get through, thus affecting the outside temperature inside.

Our experience in wintering bees in the machine-shop cellar last winter was most favorable : indeed. I never heard or read of a case where there were so few dead bees as we had on our cellar bottom As Mr. Bingham points out, it was absolutely dry, and then it received a great amount of ventilation from the larger cellar surrounding the wintering room ; a d, as I have before stated, the larger cellar contained several carloads of potatoes, and it was necessary to keep the temperature down for these as low as possible. During warm weather the cellar was kept closed to keep out the warm air. In cold weather it was ventilated and that quite often. Perfect ventilation and an entire absence of moisture or dampness, resulted in the phenomenally good wintering of all the bees. This year we have them in that same cellar 250 colonies instead of 40, and about the same number outdoors. These are in addition to 100 colonies in the Bingham cellar in our outyard.

It is my purpose to make repeated observations to determine the effect of ventilation or no ventilation, and report through these columns.

Honey is used in medicines and is the base of many of the cough cures and salves.

THE BUFFALO CONVENTION.

of National Bee-Keepers' Association, U.S.

(Continued from page 154.)

FUMIGATING COMBS WITH BISUL-PHIDE OF CARBON.

"How soon may combs that have been fumigated with bisulphide of carbon be given to bees without killing the bees?"

Mr. Benton--I have frequently used bisulphide of carbon and used the combs an hour after that; but if you put a whole colony of bees in, there would be a chance of killing the bees. I don't think there is any danger in a few hours. It evaporates very rapidly.

Mr. Abbott- -I don't think that bisulphide of carbon would affect anything in 3 minutes after if it is not confined. Bisulphide of carbon won't affect anything if it is not confined, and you can pour all the bisulphide you please on a comb in the open air and it will be gone in three minutes, and I don't see how you could kill the bees without it being confined.

Mr. Benton-The odor would be disagreeable ; I don't think it would kill them.

Dr. Miller-I would like to as this question : Does bisulphide of carbon kill the egs of the bee-moth

Mr. Benton-I think it does. I hav never had them develop in combs that were thoroughly subjected to bisu whide of carbon. I would stack a eight or ten hives and put half a pin of bisulphide in there and let it star ng ant several days; some of those com that had stood two or three mont sulphi in hot weather; there were eg there I know bécause other com in at developed it i

Dr. Mason-I had some extracti combs that I noticed the wor working in, and I piled them up a

put a

February

of any Dr. M sulphur phide (want to n using in then wish M1 ingle w ate, the ttained alf an ay su hat you nd tho: ive and ese cha Dr. Ma them. ve this mbs in y were ur's tin ry one Mr. Bai

rain.

nton w

phibe :

Ir. Ber

heavi

an em

etin c

or te

r. Ht

gasol

es. Re

and 1

Mil

nent

used

loth.

1902

carbon.

and in

examin

180