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C. M. Fenner

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CELITE DHQ
July 30, 1968

AUG 1 1968

J. P. LEINEWEBER - MANVILLE

Samples of each of these beers have been ordered

Already started on -
Schaefer
Schlitz - regular
Pabst - regular
Pabst - draft

cc:
TMJ
GRSS
DHF
D,C

VARIOUS EASTERN BEERS AND
THE FILTRATIONS EMPLOYED

There are three basic methods by which beer is handled in the various breweries of the United States concerning filtration.

One method, of which Anheuser Busch is an example, uses no diatomaceous earth filtration in the standard method. That is, beer coming from the fermentor is allowed to settle for a relatively long period of time. During this settling period, beechwood chips are used to help remove suspended solids. From this settling tank, the beer proceeds to a pulp polish filter before bottling. The pulp filter consists of a series of cellulose asbestos pads which are made by the brewery. These pads are set into a filter somewhat similar to a plate and frame filter, and the beer is passed through the pads with no diatomaceous earth used. From these pulp filters, the beer goes directly to the bottling shop. The make-up of the cellulose pads is from 85 to 95% cellulose, the balance being asbestos fiber.

A second method of handling beer is to allow the beer to settle after the fermentation and follow this settling period with a diatomite filter. Beer from this first, or primary filtration, is then settled a second time and this second settling may be followed by a pulp polish filtration before going to the bottle shop. An example of this system is the F & M Schaefer Brewing Company.

A third method of handling beer is to primary filter with diatomaceous earth as was the case with F & M Schaefer, but after the second settling, instead of going to the pulp filter, the beer is sent to a second diatomaceous earth filter called the polish diatomaceous earth filtration. Beer from this polish diatomaceous earth filtration then goes to the bottle shop. An example of this method is C. Schmidt & Son in Philadelphia.

I believe the attached chart is self-explanatory. The one exception to the three methods mentioned above is Eastern Brewing Company in Hammonton, N. J. This company does not follow the standard methods of settling the beer and prefers to filter the beer coming directly from the fermentor through a diatomaceous earth filter, which uses Hyflo Super-Cel. The beer exiting the Hyflo Super-Cel filter then proceeds directly to a second diatomaceous earth filter, precoated and body fed with Standard Super-Cel. Beer from this second filter then goes to the bottle shop.

As you can see from the attached list, there are three various types of precoats used on the polish DE filters. One method is using straight diatomaceous

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earth such as Fuhrmann & Schmidt uses. A second method is to precoat using Fibra Flo which is a blend of diatomaceous earth and straight diatomaceous earth, of which Rheingold Brewing is an example. The third method is to form a pre-precoat on the polish diatomaceous earth filter of straight fiber (usually a blend of asbestos and cellulose) followed by a second precoat of straight diatomaceous earth, of which Schlitz Brewing Co. in Brooklyn is an example.

If you should have any questions concerning the attached chart, please give me a call.

HRK

H. R. KEEFE

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Enc.

BREWERY	PRIMARY DIATOMITE FILTRATION	POLISH DIATOMITE FILTRATION	PULP POLISH	MILLIPORE FILTER	BRANDS IN BOTTLES	AREA TO PURCHASE
Anheuser-Busch Newark, N.J.	None	None	Yes	No	Budweiser	Metro, N.Y.C.
F & M Schaeffer Albany & B'klyn.,NY	Body Feed Hyflo-SSC Precoat Fibra Flo 7C Hyflo-SSC	None	Yes	No	Schaeffer	Metro, N.Y.C.
C. Schmidt & Son Philadelphia, Pa.	Precoat 512 Body Feed 512	Pre P/C U.S. Asbestos & Cellulose Body Feed SSC & 512	No	No	Schmidt's	Metro, N.Y.C. & Phila.
Rheingold Brewery Brooklyn, N.Y. Orange, N. J.	Precoat Hyflo Body Feed Hyflo	Precoat Fibra Flo SC & SSC Body Feed Std.Super Cel	No	No	Rheingold Extra Dry	Metro, N.Y.C.
Narragansett Brewery Cranston, R. I.	Precoat Hyflo Body Feed Hyflo	Precoat Fibra Flo 5-C Hyflo & SSC Body Feed Hyflo & 512	No	Yes	Narragansett Draft Beer	New England
Schlitz Brewing Co. Brooklyn, N.Y.	Precoat 502 Body Feed 503	Pre P/C U.S. Asbestos & Cellulose Body Feed Std.Super Cel	No	Yes	Schlitz Draft	Metro, N.Y.C.
Fuhrmann & Schmidt Brewing Co. Shamokin, Pa.	Precoat Hyflo Body Feed Hyflo	Precoat Hyflo Body Feed Hyflo	No	No	F&S Premium Beer	N. J. & Pa.
Eastern Brewery Co. Hammonton, N.J.	This company filters beer directly from the fermenter through Hyflo. The beer then goes directly from the Hyflo filter into a second filter precoat and body feed with Standard Super-Cel. These are the only filtrations used.			No	Old Bohemian	N.J., N.Y. & Pa.