

KRAISSL QUARTERLY

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INCORPORATED

PUMPS-SEPARATORS-ENGINEERING EQUIPMENT

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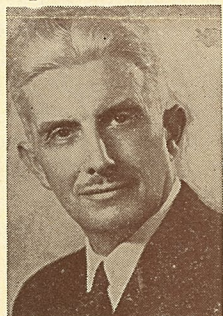
JANUARY 1963

Number 1

GROWING PAINS

FREDERICK KRAISSL, Jr., P.E.
President
THE KRAISSL COMPANY, INC.

It has long been an accepted maxim in our organization that an activity must go forward or it will automatically slip backward in relationship to forward moving enterprises. There is no such thing as standing still in a progressive economy. The only question involved is rate of growth or rate of progress in accomplishing an objective.



Consulting Engineer
Kraissl Associates

We are most grateful to our customers for making an unanticipated rate of growth possible and we feel that we should report to all, what we are doing to be worthy of this confidence. It is part of our conservative thinking that over-expansion can be more disastrous than under-capacity so when we were convinced last year that we needed increased facilities, our program was initiated.

We erected on the site of our former storage shed, a full height warehouse with large overhead doors that will accommodate even large size trucks on a drive in basis. The former loading area has been integrated with this building but insulated from it and converted into a separator and valve testing room with complete facilities for doubling our former separator testing capacity.



NEW WAREHOUSE

A new shipping and receiving room has been installed in the eastern section of what was formerly building number 3, adjacent to the truck access doors in the new warehouse and the profile of our present assembly building pro-

jected over the middle and western section of the warehouse to provide additional storage space.

The area vacated in the main building by removing the separator testing facilities will provide space for increased heavy manufacturing machinery. The area vacated in the assembly building by the shipping department has been partially occupied by doubling the capacity of our separator basket fabricating equipment. The remainder is available for increased assembly purposes. These increased production facilities are now in operation.

Growing changes cannot be accommodated without some confusion and interruption of normal processes. We have done everything possible to minimize this effect on the delivery of products to our customers and we again thank you for your tolerance and consideration. We assure you that our new facilities were provided to improve our service and we hope you will keep them busy.

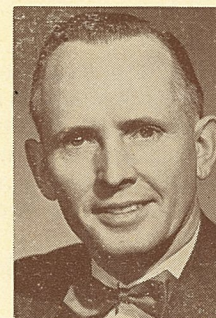
Toward this end, we are increasing our stock authorizations for regularly moving items both for products manufactured by us and those for which we are distributors. We have installed a vertical stacking system with pallets accommodating stock items handled by a stacking machine that files these pallets in their niches on the same principle that files are placed in storage. In this connection we find that old specification files are needed long beyond legal requirements. We usually do not know the locations reached by our products which are incorporated by original equipment manufacturers in their systems, machines or installations. However, if owners advise us of serial numbers, even on special devices, we can frequently break out old files and determine what was supplied. We are increasing our specification filing storage facilities and making them more easily accessible.

The last building on our property has been allocated to the operations of Kraissl Associates. The Chemical and Physical Laboratory of Kraissl Associates together with Planning and Design Offices are located at 244 Kinderkamack Road, North Hackensack, N. J. The Hydraulic and Mechanical Laboratory together with Engineering and Consultation Office facilities will be in

this building, which is being extended. Kraissl Associates has been engaged to do the Product Design and Development for The Kraissl Company, Inc. and the ease with which Kraissl products can be brought into Kraissl Associates test area will permit such operations to be handled efficiently and expeditiously.

New Federal Highway No. 80 will be on our southern side and the ramp to it is "nicking" Kraissl property. We have appreciated and are again expressing our appreciation for the consideration shown by the State Highway Department in minimizing the effect on our expansion program but Highway construction has delayed and is still retarding it. We are in the process of building the westward extension. The Hydraulic Test area has been covered and the Mechanical Test area has been enclosed. It is expected that both of these facilities will go into use right after the first of the year. The eastward extension is being delayed until it is determined exactly how much Kraissl property will be required by the State and our building plans will be designed around what remains. We are attempting to tie these structures together in a continuous unit both from the standpoint of efficiency and appearance. We will then be on a trapezoid shaped block bounded by four streets. We have humorously named this block, Kraissl Island, and while at one time in my life I aspired to having a tropical island, it appears I can look forward with even greater enthusiasm to an island of industry. We will be easily accessible, easy to find and we hope a reasonably acceptable part of the local scenery.

PERSONALS



Elmer B. Mercer

Elmer B. Mercer has been promoted to Assistant Vice President. Mr. Mercer has been with our organization since June 1941, and is experienced in just about all of our activities. When the new office of Manager of Supply was created, he was qualified to re-

ceive this assignment and the administrative status that goes with it.

Manager of Supply is with us, a two fold office. It deals with supplying the company with its needs and supplying our customers with the items ordered, on the required schedule. He had done an excellent job in expediting orders during this trying expansion period. If you want quick action, do not hesitate to contact Elmer.

INTRODUCING OUR YOUNG SALES TEAM



Wm. D. Smith



Robert B. Greenlaw

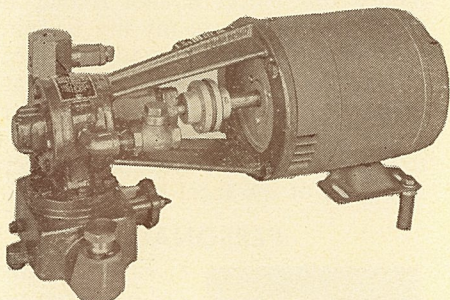


Rene A. DePhillips

We have always favored a balanced team where our older members can be relied upon for sound judgement based on successful experience and our younger members' indefatigable energy supported by on the job training.

Bill Smith joined our organization in 1959, and is now devoting most of his time to field coverage of customers. Bob Greenlaw came with us during 1962 and is taking over many of Bill Smith's former duties but also getting ready for customer coverage. Rene DePhillips is the newest member and is looking after customers' inside interests including expediting orders.

KRAISSL AIR PUMP IN MOBILE LABORATORY



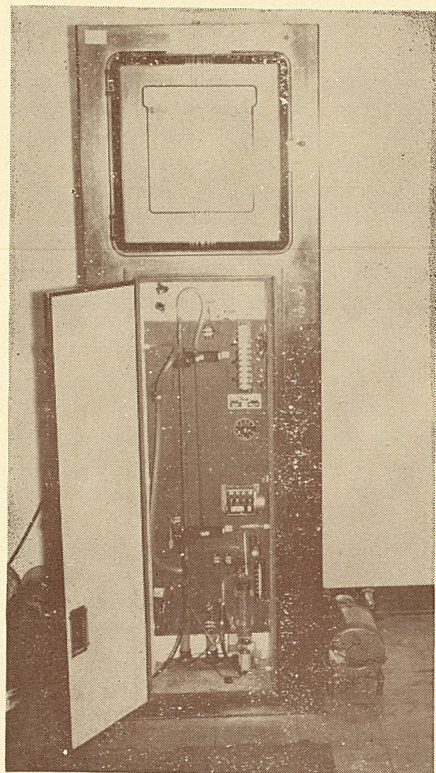
The Department of Health of New Jersey has long provided leadership in the Air Pollution Abatement Program and as one means of dealing with suspected Air Pollution of serious proportions, a Mobile laboratory has been provided.

The photographs show views of this Mobile Laboratory and the interior is

a most compact arrangement of the necessary instruments and facilities with just enough room to use them.



The gas analyzing unit will be noted in the accompanying photographs and with a Class 21 series roller pump in the lower corner. This roller mechanism with its forced feed lubrication and resistance to all forms of gumming and corrosive action makes it the ideal design for circulating gases to be tested through all forms of gas analyzing equipment.



Where hydrocarbon lubricants are undesirable the new Cellulube lubricants usually meet the requirements

and in conjunction with our Class 26 series air oil separators, a sufficiently lubricant free discharge is obtained to meet even delicate test conditions or the installation can be so arranged that test gases are drawn through the test apparatus and discharged from the pump to waste outlet.

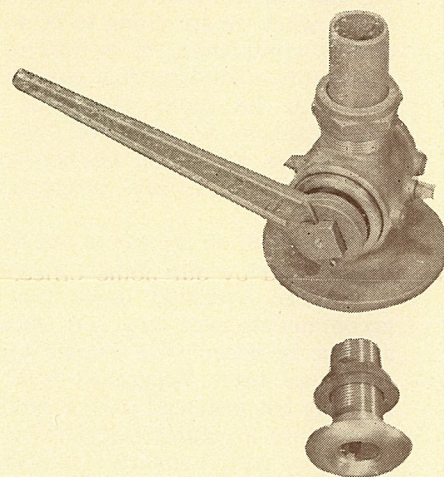
KRAISSL CLASS 56 SERIES SEA COCKS

In line with the suggested cooperation with members of the Common Market, we are making available items which can be produced to advantage in other countries consistent with our field of activity.

Our line of Class 72 and Class 73 Cooling Water Strainers have such general acceptance that we are extending our offerings to include our Class 56 series imported Sea Cocks. These are manufactured to reconcile with the standards proposed by the American Boat and Yacht Council, Inc. and are furnished of the following OTS composition No. 58:

Copper 58%, Zinc 40%, Aluminum 1%, Manganese 1%.

For hull connections that need protection against marine debris, we have made provision for an outboard screen with large openings as we believe that the inboard strainer can perform double duty precluding cloggage of an



outboard screen that is difficult to clean and inaccessible, whereas the inboard screen is available for instant servicing without the use of tools, has a much greater screening area, and if our Class 73 series Sea-View Strainers are used, the collected debris is instantly visible.

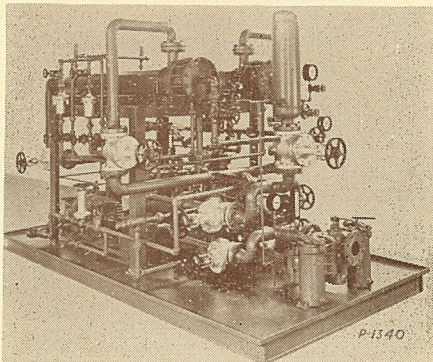
It is not usually appreciated how much restriction to flow can occur due to partial cloggage of an outboard screen, and this can result in an inadequate flow of cooling water without a visible means of detection and control.

ANOTHER PUMP AND HEATER SET EMPLOYS KRAISSL STRAINERS

The National Airoil Burner Company of Philadelphia, in addition to its regular products, has been well known for many years as a manufacturer of pump and heater sets for the fuel oil burner industry.

The accompanying photograph shows a large Kraissl duplex separator in the foreground which functions as a suction strainer, while at the far part of the assembly not easily detectable, a smaller size discharge separator is located.

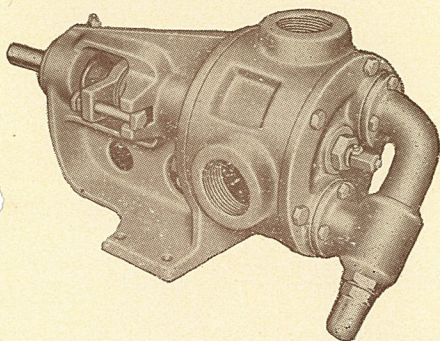
These separators are now available with double element baskets both for strainer and filter service, which increases the open area from 30-50% depending upon size. This permits in many cases, the employment of a more compact unit to do the same job as formerly performed by a larger size when separating area is the only consideration.



KRAISSL-DEMING PUMPS

Our Distributed Products Activity has consummated an arrangement that should benefit all of our customers in the area covered by our home office, and many in other areas that can be advantageously supplied from this address.

Arrangements have been made with the Deming Division of the Crane Company to supply through us a line of internal gear pumps with integrated relief valves which will be marketed as Kraissl Class 62 series pumps and



backed by both this company and the Deming Division of the Crane Company. Repair facilities will be available at this address when and as required which will extend to pumps previously sold by the Deming Company direct.

As most designers know, one of the problems that must be accepted with the many advantages of the external gear design is compensation for the overhung load.

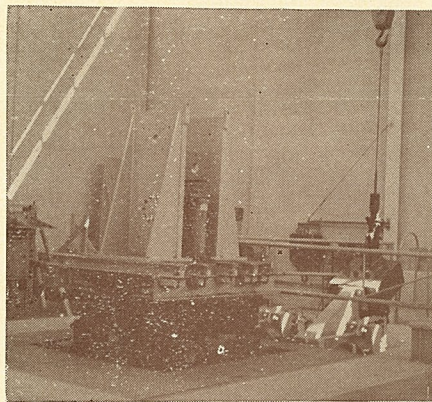
The Class 62 series relief valve pumps meet this requirement by providing an integrated outboard bearing as a unit part of the head assembly, as shown in the accompanying photograph.

New circulars will be available shortly indicating the sizes now available which cover the range of 1" to 3" inclusive and capacities of 13 gpm to 237 gpm.

KRAISSL MARINE STRAINERS PASS SHOCK TEST

One of the requirements of MIL specification No. 17849C is that the product involved must pass a shock test, which in the case of our Class 72-50 separator was over 60 G's. Fortunately one of the few laboratories able to conduct such tests is the Lockheed Environmental Laboratory at Plainfield, New Jersey and near enough to us so that its facilities could be employed with minimum difficulty.

The first photograph indicates the overall arrangement and positioning of one of our large 72-50 size 5" all bronze strainers will give an idea of the equipment involved.

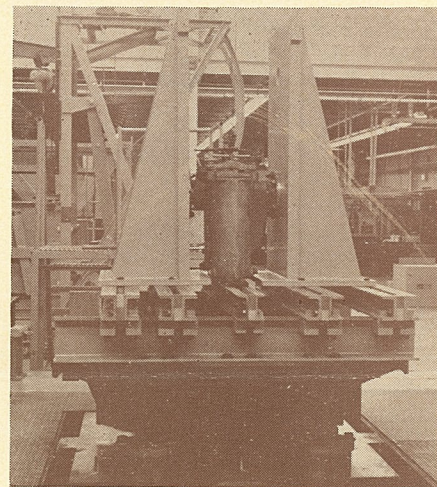


The unit to be tested is mounted on an anvil and clamped between two massive "book ends". At the designated signal accompanied by warning devices, a massive mallet calibrated for impact, hits the underpart of the table imparting a shock effect that has many of the characteristics of the discharge of a coastal artillery gun.

This is not done once, but a number of times with different impact effects in

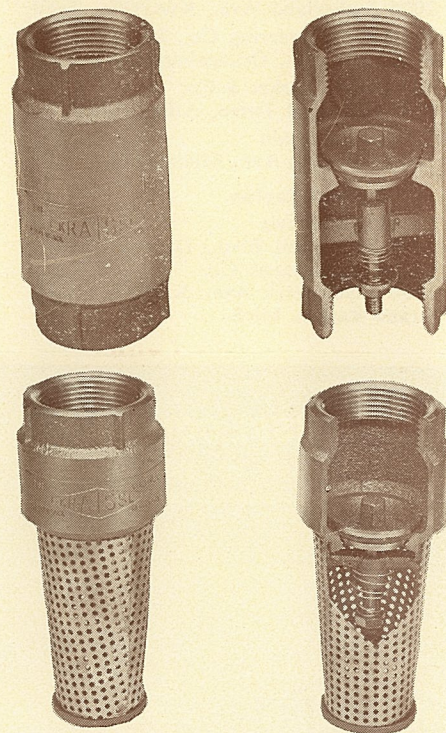
accordance with the requirements of the Military specification. Between each test our strainer was inspected before going on to the next.

At the end of the final test the Inspector turned to us and said, "Well, I guess you build a good product."



CLASS 54 AND 55 STREAM LINE FOOT AND CHECK VALVES

A brief announcement was made concerning this new line of valves but we are now able to supply full information and prices.



The photographs indicate general construction details but a special brochure has been prepared giving design features and dimensions. We hope you will request bulletin No. 2011, if you have any use for either check or foot valves. We believe that you will find our prices very attractive.

SALES REPRESENTATION

HOME OFFICE

We have reserved the areas of Connecticut, Delaware, Metropolitan New York, including the Hudson valley, Long Island, New Jersey and eastern Pennsylvania less Philadelphia District for coverage by Kraissl Company personnel.

Northeast Region

Robert Bacon Co.
Fruit St., Westboro, Mass.
John S. Stone
P. O. Box 247, Holcomb, N. Y.
Williams Bros., Inc., 70 Commercial St.,
Portland 3, Me.

Eastern Region

Valley Equipment Company
4105 Northern Pike, Monroeville, Pa.
J. W. Pearson Co., Box 282
Hatboro, Penn.
Shanklin Company
330 East 25th St., Baltimore, Md.

Southeast Region

Power Equipment Co.
1307 West Main St., Richmond, Va.
Dillon Supply Company—Main Office
Raleigh, N. C.
Dillon Supply Company
Durham, No. Carolina
Dillon Supply Company
Rocky Mt., No. Carolina
Dillon Supply Company
Goldsboro, North Carolina
Dillon Supply Company
Charlotte, No. Carolina
Boiler Supply Company, Inc.
490 Craighead Street, Nashville, Tenn.
2006 Sutherland Ave., Knoxville, Tenn.
Applied Engineering Co., Inc.
P. O. Box 506, Orangeburg, S. C.
Spotswood Parker & Co.
313 Techwood Drive, Atlanta, Ga.
T. W. McCuiston
540 S. W. 69th Ave., Miami, Fla.

North Central Region

Charles R. Davis
2970 W. Grand Blvd., Detroit, Mich.
Hettler Equipment Co.
1904 Clyde Park Ave., S. W.
Grand Rapids, Mich.

Central Region

W. G. Taylor Co.
1900 Euclid Bldg., Cleveland, Ohio
Lightfoot Pump & Equipment Co.
149 Hosack St., Columbus 7, Ohio
The Jordan Engineering Co.
7401 Shewango Way, Cincinnati 43, Ohio
T. A. Heidenreich Co., Inc.
5250 Keystone Ct., Indianapolis 20, Ind.
Lowden & Company
3404 N. Harlem Ave., Chicago, Ill.
A. K. Howell Co.
1001 Bellevue Ave., St. Louis, Mo.

South Central Region

Creole Engineering Co.
2617 Banks Street, New Orleans, La.
Albert Sterling & Assoc., Inc.
2611 Crocker St.
Houston, Texas
I. P. Newby & Assoc.
4431 Maple Ave.
Dallas 9, Texas

Northwest Region

Bruce P. Rutherford Co.
122 First Ave., S. W., Portland, Oregon
Bruce P. Rutherford Co.
1954 First Avenue South, Seattle, Wash.

Western Region

A. C. Cope Co.
435 Bryant Street, San Francisco, Cal.
Power Engineering Co.
1806 South State St., Salt Lake City, Utah
Thermo Tech Products Co.
1400 So. Lipan
Denver 23, Colorado

Southwest Region

Walter T. Humes Co.
230 East Anaheim, Wilmington, Cal.
Wagner Hydraulic Equip. Co.
10814 Santa Monica Blvd.
Los Angeles, California

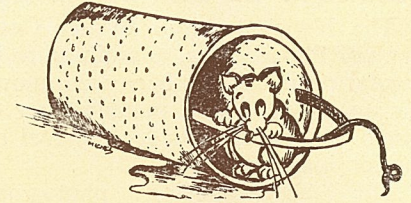
Canada—Ontario and Quebec Provinces

Kirk Equipment Ltd.
1460 Bishop Street
Montreal, Quebec, Canada

Canada—British Columbia Province

Fred McMeans & Co.
1608 West 5th Avenue
Vancouver, B. C., Canada

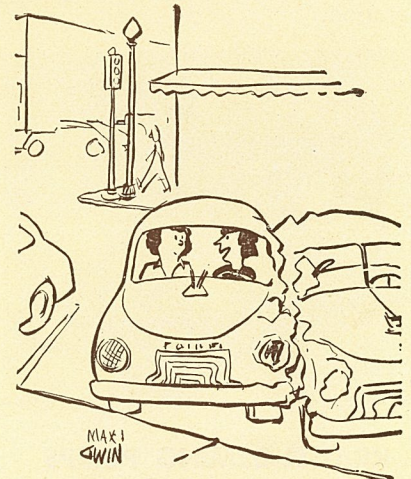
FOUND IN THE STRAINER BASKET



A student had just turned in a report with more than the average number of mis-spelled words and his professor was forced to remonstrate:

"Why not use a dictionary if you have so much trouble with your spelling?"

"Well you see, Professor, if I can't spell the words, I couldn't find them and if I can spell 'em I don't need a dictionary".



"I guess I better get out on your side, I am a little close over here."

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