



KRAISSL QUARTERLY

Published By

THE KRAISSL COMPANY

INCORPORATED

PUMPS-SEPARATORS-ENGINEERING EQUIPMENT

HACKENSACK, NEW JERSEY



Volume 9

JULY 1966

Number 3

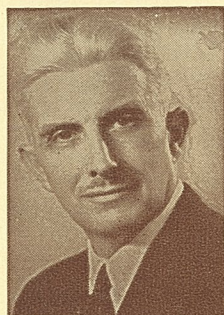
THE FALLACY OF ALLEGIANCE TO POLITICAL PARTIES

FREDERICK KRAISSL, JR., P. E.

President

THE KRAISSL COMPANY, INC.

There was a time in our political history when it would have been difficult for individuals from different political parties to be friends. This was



Consulting Engineer
Kraissl Associates

the era when men took their politics seriously and it was possible for a political altercation to turn into a fight. Now it is even difficult to get out the vote!

Is this good or bad? There are plus and minus factors on both sides that are worth considering but the basic difference is that the objectives of political parties have changed which justifies a new look at political parties.

I am reasonably certain that if I had been a voting adult during the era of the war between the states, I would have been a democrat because this was the time when a fundamental plank of the platform of the Democratic Party was State Rights. I am a States Rights man as an initial consideration and consider most other planks concerning our domestic affairs of secondary importance. I do not believe that any job the States can do for themselves should be delegated to the Federal Government as this results in an overlord bureaucracy out of touch with and not as responsive to the people, which should be the function of a grass roots organization. We are supposed to be a United Federation of Sovereign States and as we undermine this sovereignty from its intended status to servility and supineness, we destroy the foundation on which a truly representative form of government is dependent.

The Democratic Party in its desire for federal domination of much of our way of life has insisted on a stronger centralized form of government than the old Federalist or Republican Party ever proposed and the championship of States Rights could have, at a comparatively recent date,

been accepted by the Republican Party with a complete reversal of fundamental planks in political platforms.

I mentioned this to a southern gentleman of Democratic Party persuasion and he said "Why Fred, you are right, but you must remember that most of us were brought up to believe that Republicans were born with horns". However, it is not my thesis to promote the Republican Party platform as the opportunity needed by so many voters was missed, in my opinion. It has not picked up the challenge by becoming the present champion of States Rights but has become what I would designate a "Me Too Party". By this I mean that the proponents would have us believe that whatever the Democratic Party proposes, the Republican Party could do better. To me and perhaps many others who are interested in the future of our country this is neither convincing or desirable. It does, however, point up the stupidity of party allegiance.

A political party should be the vehicle by which citizens of the United States obtain the government they desire. At the present time an individual who believes in some of the following tenets has no political home:

A. States Rights as set forth in the Constitution guarantying to the States, sovereignty in the areas indicated.

B. A Fiscal Policy based on a genuine program of returning to a balanced budget by limiting expenditures to the fundamental responsibilities of the Federal Government as set up in the Constitution. There is undoubtedly much room for debate as to what constitutes "Provision for the National Defense" but the test should be whether this is being done for legitimate defense or for promotion of pet social programs.

C. A Fiscal Policy based on acceptance of financial obligations on a pay as we go procedure, not on a cowardly deferment of payment of these colossal sums to unborn generations. It would seem to me that our children and their children could look back on us and the burden we have shifted to their shoulders without their having any part in the decision, with a loathing and contempt that we deserve. Even the lower forms of animal life organize their society along the lines of protecting the young not

victimizing them when they are helpless.

D. A truly non-political approach to securing equal rights for all. This includes the rights of Whites, Indians, Semitics and Asiatics; not limited to espousing the cause of so-called underprivileged Negroes. If we will investigate our treatment of the American Indians, we may find there are still wrongs to be righted.

E. A real and courageous approach to not permitting any economic segment of our population to dominate our country and our lives. There are three elements required in any successful business enterprise. These comprise a proper relationship of Capital, Labor and Brains, which I define for this purpose, as creative and managerial intelligence. Without all of these working together in proper harmony, as a team, an enterprise cannot succeed.

F. A Foreign Policy that is instant and geared to our National Defense with what can be afforded in assisting others within a balanced budget. We should know by now that largess extended to many nations is degrading to us and humiliating to the receivers and that you cannot buy true friendship. Assistance should be extended on a sound financial basis which is a procedure that is well understood and respected.

G. Juvenile delinquency is a menacing problem in many areas and getting worse due to the increased use of drugs. Enforcement officials should be required to set up advisory boards in affected areas on which membership of the clergy and parent-teacher organizations is provided. The problem involves home life, school contacts and moral assistance from churches in the vicinity. The solution will be different in various areas but such a board should be competent to deal with this mandatory matter as our youth represents the future of the country, and there is no logic in sacrificing to make the country safe for self government if our youth is not disciplined to inherit it.

There are probably other matters that could be discussed but these will do for a start. A vehicle is required in the form of a political party to accomplish these objectives if they are considered worth-while. It could be called a Conservative Party or a States Rights Party but if it was called

a Constitutional Party, it might be surprising to realize how many of these planks were provided for in our Constitution.

ON EDUCATION

I am greatly concerned whether we are putting first things first in the education of our children and young adults.

In recent months, since my election to the local Board of Education in our town, I have reflected upon my own



R. C. MICHEL, P.E.
Exec. Vice-President

education with respect to its usefulness to me and have tried to arrive at a perspective regarding relative importance of subject matter.

If I were to set up a list of relative importance of subjects and skills, I think it would be as follows:

1. Religion and discipline
2. Communication
3. Hand skills
4. Math
5. Science
6. Humanities

It may appear surprising that one with an engineering background lists non-technical subjects at the head of the list.

The first and most important part of a person's education should be learned at home and in church. We must give serious thought to where we are going and why we are here. Until a person has reconciled these matters personally, he will be lost in all that he tackles and a drifter for life. He must develop a personal procedure for handling all problems that come his way regardless of the nature of the problem. There must be a basic philosophy governing his approach to all activities.

Next in importance are the communicative skills. Practically everything worth accomplishing today involves teamwork and dealing with other people.

A most spiritually adjusted and educated person is lost if he can not communicate effectively through writing, speaking and by example. In a management course I took recently, the art of management was defined as "effective communication".

The hand skills are being sadly neglected today. Engineering students frequently are no longer being required to take shop courses or drafting. We are educationally producing, it seems to me, two classes of people, egg-heads on the one hand and machine operators on the other. Who are the skilled

craftsmen and practical engineers today? They are people from another generation and as they retire, there are relatively few people trained in both thinking and hand skills to replace them. There is a severe shortage of flexible "general practioners" graduating from engineering schools and the apprentice system of producing skilled crafts is equally deficient in this area. How can a professional lead others in projects requiring hand skills without having these skills he needs to be able to appreciate the job requirements and practical limitations of the skills available?

Of the technical thinking subjects, math is probably the most important. The physical sciences, especially, depend on math for all quantitative considerations. Math is a prerequisite for most of them. In addition, however, math serves to develop personal self-discipline so essential to clear thinking and creativity. In all the problems of life, data must be collected, sorted; the pertinent accepted, and the unuseful rejected. Math helps develop practical and logical thought patterns for all kinds of problem solving, even non-technical.

Science is important to the technical occupations because it provides knowledge of natural resources that can be developed by the use of imagination, experimentation and perserverance. Like the humanities, science helps all of us to know and understand better the world in which we live. It supports and reinforces religion and discipline.

The humanities are often combined with the communication skills of language, creative writing and public speaking. These, of course, stand high in the priority list. The remaining humanities of history, literature, civics, economics, etc. are important complementary subjects which help to provide for a well rounded education.

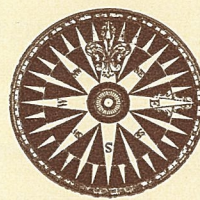
I am sure there will be differences of opinion on the priority subject lists of different individuals but, for the moment, this is my judgment of which subjects have meant the most to me. These should be stressed in proper perspective as we raise and educate the next generation.

EDITORIALS

Our editors are the senior officers of this company and our policy permits each of us to express thoughts which we believe can be contributions to the voice of public opinion in business. It must be emphasized that the thoughts expressed are those of the author and not necessarily endorsed by the rest of the Board of Directors of this company. Kraissl Associates, acting in the capacity as our consultants, handle the technical aspects of our public relations program.



INDUSTRIAL AND MARINE FIELD



PLANT CLOSURE FOR VACATION PERIOD

JULY 16th TO 30th INCLUSIVE

Evaluating the least disturbing vacation procedure is no easy matter. We have literally tried every known plan that is applicable to an organization of our size. This has included staggered vacations, platoon system vacations and modifications of all of them.

The conclusion has been that the complete plant shutdown is best but with the modification of the second two weeks of July instead of the first two which was done last year.

The year has been a hectic one beset by supply shortages but a very challenging one and we are constantly striving to meet these challenges. We have increased our manufacturing personnel and facilities by approximately 50 per cent and we are anxious and desirous of serving our customers in every possible way.

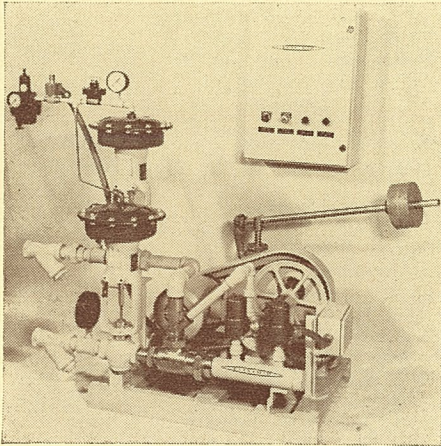
In spite of shortages we confidently expect to have all of our standardized products in stock before the vacation period so that you can expect immediate delivery on these items.

Bronze and steel products are not considered stock items as there is too much deviation in the price of bronze and too many variations in steel assemblies to make stocking these items practical.

However, you can help. Most of bronze and steel equipment is used by customers for extended deliveries and if orders are placed with us when contracts are obtained, we feel sure we can have these items available when you are ready for them.

We have done everything to anticipate our customers' requirements and we hope you will concur that a vacation is needed by everyone and you will help us enjoy it by letting us fill your orders before and after this period.

AMERICAN CYANAMID DEVELOPS NEW EMULSION DISPENSER



The American Cyanamid Company has developed a rosin size emulsifier that incorporates a specially modified Kraissl Class 60 reduction drive pump set.

The variable speed drive modification permits instant field adjustment of pump speeds from approximately 230 to 520 rpm. A shaft extension on the pump drive shaft provides connection to a speed switch which automatically shuts the emulsifier down if the supply to the pump fails.

Special connections provide external lubrication to gland and stuffing box. The standard Class 60 features include flexible pump coupling, rigid outboard ball bearing support, cast bed plate and belt guard and precision made integrally forged and machined pump rotor and shaft.

A prototype dispenser has been installed and operated at Oswego Falls Paper Mill since February 1965. Field reports so far indicate superior performance.

The Kraissl Company is most pleased to cooperate with original equipment manufacturers by making available special modifications of our products to meet specific applications.

EXTENDED DELIVERIES

Those of our customers and customers to be, who have had experience in the field of procurement, know that we are faced by shortages of materials in this country.

We will not dwell on the reasons for these shortages, many of which are known and understood. We will only explain their impact and what we are doing to minimize the effect.

Extended delivery in our supply system is the result of two basic causes:

1. The inability of foundries to keep up with the requirements for castings.
2. Labor shortages in skilled personnel which may be a part of the problem with the foundries.

Since we have some control over the second effect, we can advise that we have expanded our production facilities over 50% in both equipment and personnel and have in many cases substituted advanced tooling over precision machinist control so less experienced operators can do the job formerly considered to be in the province of machinists.

The matter of casting shortage needs customer assistance. You can help us in two ways:

1. By obtaining priorities when these are available for products having a government end point.
2. By placing orders sufficiently in advance so that the extended deliveries in effect will not adversely affect the completion of the installation, vessel or device on which our equipment is needed.

A good example is the requirements of the shipbuilding field. Before construction of a vessel can be commenced, it must be designed and at this time, the components selected. When construction is initiated the components can be ordered and if this is done, it is a reasonable assumption that the components will be delivered before they are needed.

There are many applications of the principle where the major structure takes longer to complete than the fabrication of the components, even under the present extended delivery situation.

At the present time, delivery to us on the following types of castings are:

Cast Iron	4 to 6 weeks
Standard Bronze	8 to 10 weeks
Mil Spec Bronze	12 to 14 weeks
Steel	12 to 16 weeks

We need no less than two to three weeks depending on the priorities involved, to fabricate and ship items of standard design and longer when special modifications are required. We hope you will agree that this is not an inefficient interval. When these are added together our delivery problem will be appreciated.

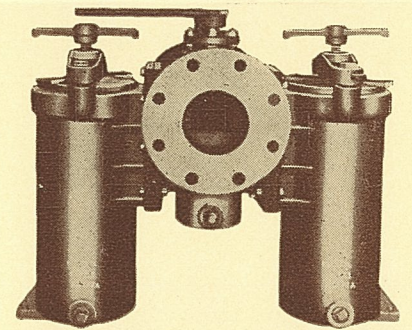
Please help us solve your problem and ours. We are dedicated to the proposition of customer satisfaction but we need your assistance in anticipating your requirements by the longest possible interval.

INTEGRAL VERSUS THREE PIECE CONSTRUCTION SEPARATORS

Since we are in a position to supply either of these two designs, the presentation of advantages of each can be considered impartial.

If production costs can be lowered or procedure made more flexible, this is an advantage which is ultimately reflected in the selling price. Three piece construction separators which are de-

fined as those where the valve center section is assembled with suitable closures to the side bodies, have the production advantage of spreading the foundry load among a greater number of foundries that can handle smaller items and the fact that one man can deal with all machining operations rather than the necessity of tying up more than one machinist where the larger units are involved. In general, integral units are more economical to manufacture in cast iron in sizes where one man can deal with every operation and three piece construction where the lower man power required more than offsets the extra weight of the three piece construction units, as this weight is related to the side body assembly flanges, which are eliminated in integral construction.



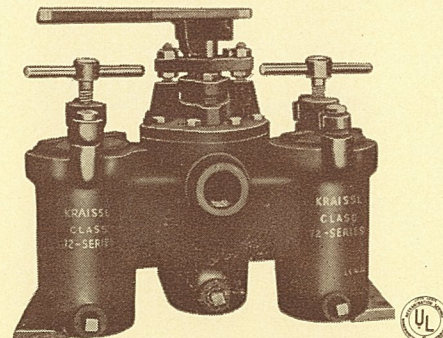
**CLASS 72 THREE PIECE DUPLEX
STRAINERS**
BULLETINS A1275
A1431, A1879



Where high price material of construction is involved, such as bronze, the saving in material usually offsets the additional labor and integral units are indicated.

From the design standpoint, the integral units are slightly more compact but the three piece construction has the advantage of component replacement if this is required, rather than scrapping a complete unit. It also has the production design advantage of better control over wall thickness as it is a known fact that core shifts can produce uneven walls with complicated integral castings that are not easy to detect.

(over)

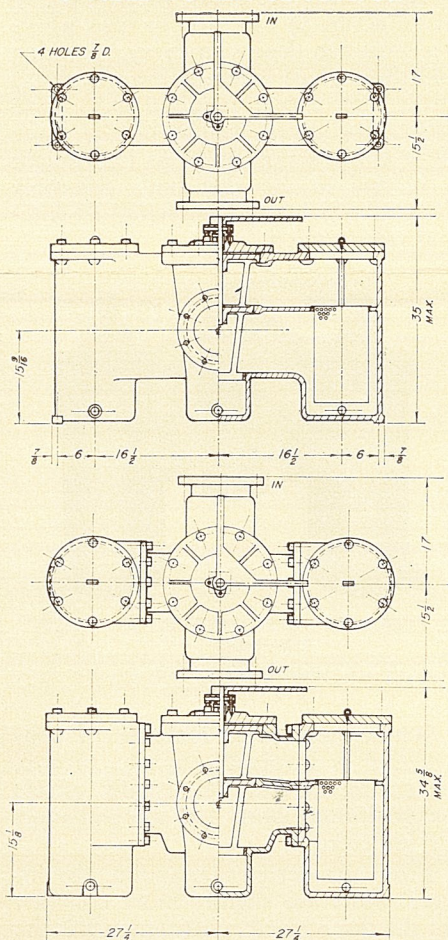


**CLASS 72 INTERNAL DUPLEX
STRAINERS**
BULLETINS A1430A, A1698



Since many of our customers are utilizing our valve center sections to assemble with their side bodies of either heat exchangers or large type filtration duplicate units, the need for three piece construction has been well established and it seems to us that with low priced materials of construction, the break even point might be in the vicinity of the three and four inch flanged models.

DIMENSIONS 8" INTEGRAL AND 3 PIECE DUPLEX SEPARATOR



SALES REPRESENTATION

HOME OFFICE

We have reserved the areas of Connecticut, 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

Filtration Unlimited
373 Hertel Avenue
Buffalo, New York 14207
Williams Bros., Inc., 70 Commercial St.,
Portland, Me. 04181

Eastern Region

Boston-Cooper Company
95 Holland Street
Somerville, Mass. 02143
Valley Equipment Company
404 Frick Bldg.,
Pittsburgh, Pa. 15219
J. W. Pearson Co., Box 282
Hatboro, Penn. 19040
Jobe & Co., Inc., 2857 Greenmount Ave.
Baltimore, Md. 21218

Southeast Region

Power Equipment Co.
1307 West Main St.
Richmond, Va. 23201
Dillon Supply Company—Main Office
Raleigh, N. C. 27602
Dillon Supply Company
Durham, No. Carolina 27702
Dillon Supply Company
Rocky Mt., No. Carolina 27801
Dillon Supply Company
Goldsboro, No. Carolina 27530
Dillon Supply Company
Charlotte, No. Carolina 28201
Boiler Supply Company, Inc.
490 Craighead Street
Nashville, Tenn. 37204
1628 Island Home Ave.
Knoxville, Tenn. 37920
Applied Engineering Co., Inc.
P.O. Box 506, Orangeburg, S. C. 29115
Spotswood Parker & Co.
313 Techwood Drive, Atlanta, Ga. 30313
T. W. McCuiston
540 S.W. 69th Ave., Miami, Fla. 33144

North Central Region

Charles R. Davis
2970 W. Grand Boulevard
Detroit, Mich. 48202
Hetler Equipment Co.
P.O. Box 1904
Grand Rapids, Mich. 49501

Central Region

W. G. Taylor Co.
1900 Euclid Building
Cleveland, Ohio 44115
The Jordan Engineering Co.
7401 Shewango Way
Cincinnati, Ohio 45243
T. A. Heidenreich Co., Inc.
5250 Keystone Court
Indianapolis, Ind. 46220
Tobra Engineering Co.
6422 S. Marshfield Ave.
Chicago, Illinois 21218
A. K. Howell Co.
1001 Bellevue Ave., St. Louis, Mo. 63117

South Central Region

Ace Engrg. Sales Inc.
246 E. 15th Street
Tulsa, Okla. 74119
Creole Engineering Co.
2627 Banks Street
New Orleans, La. 70119
Albert Sterling & Assoc., Inc.
2611 Crocker St.
Houston, Texas 77006
I. P. Newby & Assoc.
P.O. Box 35846
Dallas, Texas 75235

Northwest Region

Baxter-Rutherford, Inc.
1932 First Avenue S.
Seattle, Washington 98134

Western Region

A. C. Cope Co.
435 Bryant St., San Francisco, Cal. 94107
Power Engineering Co.
1806 South State Street
Salt Lake City, Utah 8415
Vernon Hines
4980 Monroe St.
Denver, Colorado 80209

Southwest Region

Wagner Hydraulic Equip. Co.
10814 Santa Monica Blvd.
Los Angeles, California 90025

Canada—Ontario and Quebec Provinces

Kirk Equipment Ltd.
375 Victoria Ave.
Montreal, Quebec, Canada

Canada—British Columbia Province

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

Hawaii

Foster Equipment Co.
719 Ahua St.
Honolulu, Hawaii 96803

THE KRAISSL COMPANY

INCORPORATED

HACKENSACK, NEW JERSEY

RETURN POSTAGE GUARANTEED



YOUR
COPY
OF

**KRAISSL
QUARTERLY**

**BULK RATE
U. S. POSTAGE
PAID
Permit No. 1268
Hackensack, N. J.**