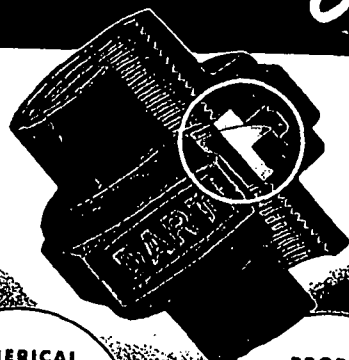


DART LEADERSHIP

is based on these

Proven Advantages



SPHERICAL CONTACT

The two seats in each Dart Union are spherical-ground to form a true ball joint that's drop-tight and leak-proof.

PROPER ALLOYS

Both seats are made of bronze—which means they're non-corroding ... longer lasting.

TROUBLE-FREE DESIGN

Darts close without damage, jamming, or excessive wrenching. Body and nut are made of high-test, air-refined malleable iron ... practically indestructible.

For these and other Dart advantages, order today from your supplier.



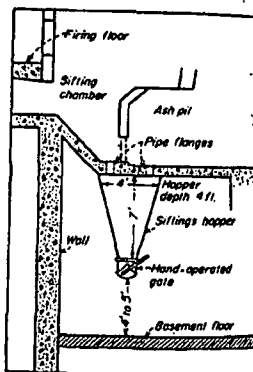
E. M. DART MANUFACTURING CO.
PROVIDENCE 5, RHODE ISLAND

Plant Problems

(Continued from page 108)

the bottom of the sifting chamber and install collectors which are emptied periodically into a suitable container mounted on wheels. This suggestion is based on the assumption that sufficient clearance exists under the chamber floor to permit installation of the collector. According to the dimensions given and the cleaning frequency which HWW has found necessary in the past, the collector would not be too large. Therefore the installation would be moderate in cost. One advantage in using collectors is the fact that the sifting can be "wet down" with a hose before dumping and most dust eliminated.

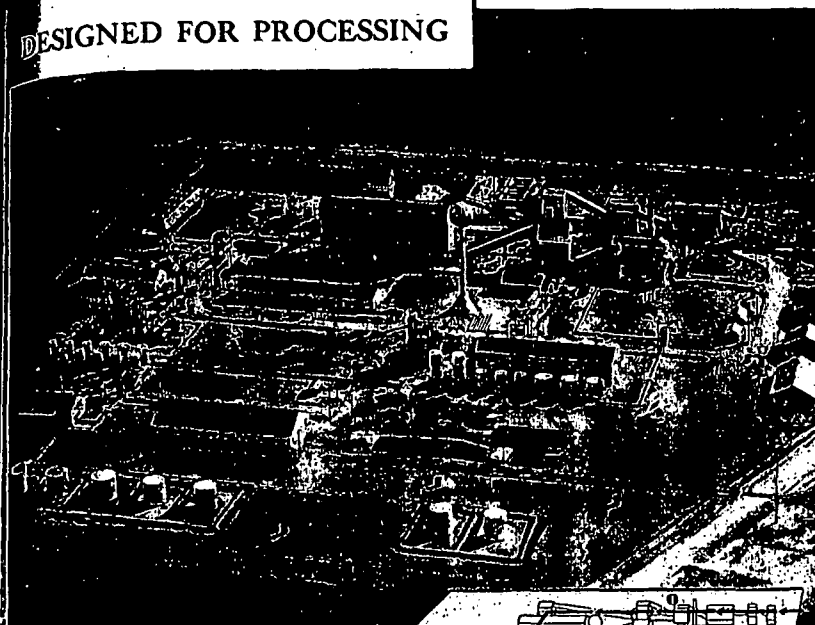
Extensive experience with underfeed stokers of all types has indicated that both methods are effective and can be readily applied. The final choice for HWW depends upon cost, space available, and the importance of sifting removal in over-all plant operation. Tyler C Hicks, New York, N. Y.



Install a Hopper To Basement Floor

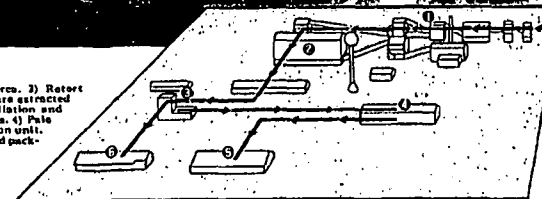
If HWW constructs a $\frac{3}{4}$ -in. steel-plate hopper under sifting chamber, as shown in sketch above he will have no trouble in removing siftings. He can load them into a wheelbarrow or ash-car from basement floor by operating the hand gate. Pipe-hole centers should be placed at points one-quarter of the distance from the sifting-chamber walls. Since siftings are not hot enough to need quenching, HWW will find they run easily through the 4-in. pipe holes

DESIGNED FOR PROCESSING



Photograph by Elwood Payne

1) Wood preparation and grinding area. 2) Retort building where terpenes and rosins are extracted by solvent. 3) Finishing unit for distillation and separation of solvent, terpenes and rosins. 4) Pale resin decolorization and solution separation unit. 5) Resin packaging building. 6) Oil loading and packaging building.



The Naval Stores Extraction Plant for Newport Industries, Inc., at Oakdale, Louisiana, provides for complete processing of pine stumps, from wood preparation to decolorizing rosin and packaging rosins and terpenes for shipment. Newly developed applications of continuous flow processing, and efficient fractionation result in products of the highest obtainable quality. This plant, with related facilities, was designed and constructed by Stone & Webster Engineering Corporation in collaboration with the engineers of Newport Industries, Inc.



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