## 

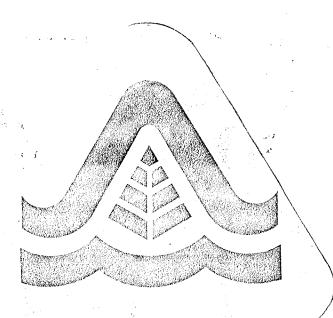












DECEMBER 1975

ISSUE.IV

THE BAR NEWSLETTER IS ISSUED QUARTERLY ( MARCH, JUNE, SEPTEMBER, AND DECEMBER) BY THE BAR HISTORICAL AND TECHNICAL SOCIETY FOR THE BENEFIT OF ITS MEMBERS AND OTHERS INTERESTED IN ACQUIRING INFORMATION ABOUT AND PROMOTING THE RAILROADS OF MAINE. CONTRIBUTED ARTICLES AND MATERIAL FOR PUBLICATION IS WELCOME. SOCIETY OFFICERS ARE:

PRESIDENT - DON M.GREENBURG, 5 Alden Place, Hartsdale, N.Y. 10530

TREASURER - PAUL SCHULHAUS, 91-10 214th St., Queens, Village, N.Y. 11428 CORR.SECY. WALDO H.KINGSTON, 28 Winthrop Drive, Peekskill, N.Y. 10566

EDITOR - ROBERT C.BAKER, JR., P.O.Box 562, Brunswick, Me. 04011

Address all communications to the Corresponding Secretary. Subscription by membership, \$4.00.

AN APOLOGY IS IN ORDER\*\*\*\*WE REGRET THAT THE PHOTO PAGE SUPPOSED TO BE IN VOL.II, NUMBER I, SUMMER 1975 DIDN'T MAKE IT. OUR COPIES RECEIVED FROM THE PRINTER WERE BELOW THE STANDARDS WE HAVE ESTABLISHED. AS A RESULT WE FELT IT BEST NOT TO INDLUDE THE PAGE IN THAT ISSUE. WE HOPE TO CORRECT THIS OMISSION IN THE NEAR FUTURE.

DECALS - There are five principal sources of decals for the HO and N scale modelers of railroad equipment(freight, passenger and engines):(1) Wm.K.Walthers, Inc., 4050 North 34th St., Milwaukee, Wisc, 53216;(2) Miller Advertising Co(The Herald King), 1627 Lilac Drive, Manitowac, Wisc. 54220;(3) Champion Decal Co., P.O.Box 1178, Minot, North Dakota; 58701;(4) SMP Industries, P.O.Box 72, Hudson Rd., Bolton, Mass., 01740; and (5) Micro-Scale Decals by Krasel Industries, Inc., 1821 Newport Circle, Santa Ana, Ca., 92705. Each has a catalog that can be obtained, some through your local hobby shop, others from the manufacturer. The same applies to decals. One source of SMP Industries decals, if you live outside of the Massachusetts area, is through a special mail service. One among those mail order houses is Jack's Trains, Christmas Tree Lane, Rutland, Mass., 01543. Do not try to order direct from SMP, your order will be forwarded to Jack's Train. The current list of Accu-(de) Cals from SMP as follows: (Price per set \$0.90) (When ordering from Jack's Trains please include the following to cover costs of shipping and handling-5% of order (0.50 minimum) plus 0.10 for each bottle of paint ordered):

Bangor and Aroostook RR.

Number Description 40' Box Car, Freight car red, large lettering and numbers. H2-B026 H2-B60a 50' Box Car, State of Maine, Red, white and blue. 50 Box Car, International orange, Triangle herald 9000 H2-B90a Box Car, Freight car red, large lettering and numbers H2-B10b Ico Reefer. Reefer orange, large letters and numbers H2-R0la 40\* Mechanical Reefer Reefer orange, lerge lettering and numbers 501 H2-R1la F-3(F-5)Diesel Freight Blue with Yellow lettering. 40-47. H2-DFo4b F-3(F-5)Diesel Freight Black, Orange & Grey; orange letters. 40-47. H2-DFo4 " swhite letters.40-47. H2-DFo4d BL-2 Diesel Freight, Blue with Yellow lettering.50-57 H2-DFo5b GP-7/9 Diesel Freight Blue with Yellow lettering. 60-80. H2-DF06b Black, Orange & Black, white letters. 60-80. GP-7/9H2-DF06e Blue with Yellow lettering. 81-88. GP-38 H2-DF08a '

Maine Central Railroad.

H3-DF05a

H3-DF05b

H3-DF06b

H3-DF06a

H3-DF06a

H3-SW03a.

Maine Central Railroad.

GP-7 Diesel Freight Maroon/Green/Yellow.Yellow lettering. 500's.

RS-3/1 Diesel Freight Maroon/Green/Yellow.Yellow lettering. 600's.

SW-9 EMD Switcher.Maroon/Green/Yellow.Yellow lettering. 300's.

In the last issue of the Bulletin we included a copy of procedural information to be used by photographers interested in "getting close" to railroad equipment on Maine Central property. The same procedures apply to photographing railroad equipment on the property of the Bangor and Aroostook Railroad. At Northern Maine Junction, check with the receptionist in the headquarters building; at other locations, check with the highest authority there.

DID YOU KNOW --- The Parlor-Cafe-Observation car #194 "Piscataquis" was built by American Car Foundry in 1902 as Private Car #100, rebuilt on April 6,1929 at the Derby, Me., shops to a Cafe-Parlor Car. In 1930 it ran as designed, on the Northern Maine Section of the "Flying Yankee". DID YOU KNOW --- that Diner 195, Pullman built in 1907, was first numbered 101, then renumbered to 495 in May 1926, and ran between Millinocket and Phair serving breakfast north-bound, the dinner southbound. There are photos of each car in the book "Steam, Steel & Limiteds" published by Kratville. See page 58.

The following information is reprinted with the permission and through the courtesy of the Bangor & Areostook Railroad, Public Relations Department. Takem from the 75th, Diamond Jubiles issue released on February 1,1966.

Keeping the Cars Rolling

Among the notable achievements of the Bangor and Aroostook Railroad Company is one that is little known to the present generation. Before it had even finished building a railroad, the company built a town.

Initially it was called Milo Junction; today it is known as Derby and is the home of

the railroad's principal shops.

Derby owes its birth to an improbable railroad with an equally improbable name, the Northern Maine Seaport. It had no equipment, only 54 miles of track and no thought of ever operating a train.

Actually, although a corporation in its own right, with a charter issued in 1904 to prove it, the Northern Maine Seaport was no more than an extension of the Bangor and

Aroostook from South LaGrange to Searsport.

The Bangor and Aroostook was committed to leasing its track and the men who built

the Bangor and Aroostook also built the Northern Maine Scaport.

It was, in short, the product of the same hard thinking that brought the Bangor and Aroostook down through Brownville to an interchange with the Maine Central at Old Town, instead of Mattawamkeag. Moreover, the objective was the same; a longer haul for the Bangor and Aroostook through a new interchange at Northern Maine Junction with a deep water terminal at Searsport as an invaluable byproduct.

As a part of its imitial construction program the Bangor and Aroostook had provided repair facilities for its equipment in 1896 at its Old Town terminal. Later it had built

a ear shop at Houlton.

But in 1905, with the construction of the Northern Maine Seaport scheduled for completion before the year's end, the track from Bouth LaGrange to Old Town, as a part of the main line, was on borrowed time and with it the repair shop.

Those entrusted with finding a new location for the railroad's shops eventually came

up with a hay field just south of Milo.

It was adjacent to the intersection of the Bangor and Piscataquis and the Bangor and Katahdin Iron Works, the two railroads that, through their acquisition, had made it possible for the Bangor and Aroostook to start laying track north from Brownville.

In one respect the location made good sense; in another it seemingly made no sense at all. It would move the shops from the end of the line to an intermediate point, which is where a railroad's shops should be. But there was little manpower in Milo for work in the shops and no housing for imported labor.

A less imaginative railroad would have looked elsewhere. But for the Bangor and Aross-took this was no insoluble problem. Indeed to its management the solution was obvious;

a town was needed so a town would be built.

Included in the construction program was a hotel with 45 bedrooms and a dining room and 46 employee houses, "all with bathrooms, hot water boilers, ranges and electric lights".

A report to the stockholders said the dwellings are upon an elevated plot, well remeived from the shops and clear of the yards and ended on this cryptic note: EEspecial attention has been paid to sewerage."

There is no record of any requests for an explanation, but an inquiry, , had it been made, would have disclosed the fact that a hill to the morth was a barrier to the Milo sewage

system so the new town was, of necessity provided with one of its own.

The plan for the shops themselves were consistent with the plans for an entirely new community. This was no here today and gone tomorrow project. Despite its youth and the need for a great deal more track, the Bangor and Arcostook dug up \$414,448.95 for a truly permanent installation.

Aside from several storage sheds, all of the buildings were solidly built with brick. They included a two-story office and stores building, a one-story car shop with an area

of 54,000 square feet and a locomotive shop that was 242 feet long.

Between the car shop and the locomotive shop was a 75-foot transfer table which moved back and forth above a repair pit whose length was 369 feet. Nearby were a planing mill and an engine house.

To be continued .....

It is one thing to design and construct buildings that will stand the test of time. It is quite another to design a physical layout that will withstand obselence. The railroad's engineering department was, to an amazing degree, as successful with the second assignment as it was with the first.

While many of the operations within the buildings have changed, the physical plant today is

not substantially different from that of 1906.

Housing is a somewhat different story. As time developed an increasing sense of permanence among the employees in the shops, the damand for houses grew and, as a natural consequence, a hotel room as a home became more and more unattractive.

To meet this demand, the railroad added houses until their total reached 76. Most of them are now owned by the employees. The hotel, which ceased to function as such years ago, is now

a community center.

For the first ten years, the new shops at Derby built no more than an occasional freight

car and it was a replacement for a car retired or wrecked.

But in 1917 President Percy Todd announced that Derby was scheduled to build 150 box cars over the next twelve months. The reason for this change in policy was clearly stated: "The enormous prices asked by equipment companies".

The project foundered for lack of sufficient manpower at Derby, because of the war, and

equipment companies supplied the 150 cars and the 1,200 more acquired in 1921-1923.

There would be no more box cars purchased from outside sources for the next 15 years. In 1924 Derby embarked upon a program of buying underframes and running gear from equipment manufacturers and building the box itself. It was, of course, a woodworking operation.

Only 77 cars were built that year, but 175 were built in 1925 and 400 in 1930. There were no further additions to the box car fleet until 1938. That year 665 cars were acquired and they came from an equipment company for one compelling reason, they were all steel cars.

This is not to say that it was physically impossible to build an all-steel box car at Derby since it wasn't. However, it entailed the purchase of the component parts of the box as well as the underframe and running gear. Hence it is no more than an assembly job and the estimated cost, per car, did not warrant its undertaking.

Since no box car had been built for eight years at Derby there was no impact on its curr-

ent operation from this decision.

But the replacement of steam power with diesels some ten years later was a completely different story. It made the engine house obsolete as well as most of the work in locomotive shop. Physically the shop no longer needed much of the floor area that had been required to keep the steam locomotives in operation.

That space today is occupied by what the Bangor and Aroostook calls its contract shop. It

is, to say the least, an unusual operation for a railroad.

Many of the machine tools with which it is equipped are of little use to the railroad itself and much of the work it undertakes is for others. Moreover, while it is expected to operate at a profit, no one has ever anticipated a really substantial return from the contract shop.

Hence there must have been something more than a compulsion to use unoccupied space to account for the contract shop. And, in truth, there was. The prime objective was the utiliza-

tion of men; the highly skilled machinests who had worked on the steam locomotives.

To keep them employed, tools were bought and work was solicited. The shop's stock in trade was, and still is, that of all contract shops; open time on a variety of machines for manufacturers who either lacked the machine facilities needed or whose orders have exceeded their own capacity.

While it is an interesting and imaginative operation it is, of course, no more than a side line at Derby whose primary job is to keep the railroad's rolling stock in first class con-

dition with some car and locomotive rebuilding as a secondary function.

To the Bangor and Aroostook, "first class condition" is no catch phrase. Its ratio of cars idled for repairs to the total owned is one of the lowest in the railroad industry, and has been for many years.

Indeed, prompt and adequate maintenance of both its equipment and its right of way is a

tradition with the Bangor and Aroostook that is almost as old as the railroad itself.

Reporting an almost disastrous year in 1908, because of a nead failure of the potato crop, Franklin Cram concluded:

"Every effort was made to curtail expenditure consistent with not neglecting the property. "Especially has the company intended to maintain the integrity of its equipment. It had on June 30(1908) every locomotive, every unit of passenger train equipment and within about one percent of every unit of freight rolling stock it acquired in, and since, 1893, the year in

which construction of the road was commenced.

"All was in serviceable condition barring ser offs for ordinary repairs.."

Twenty-four years later Percy Todd reminded the stockholders of the "100 per cent standards for equipment maintenance of the American Railroads Association;"no more than 18 per cent of the locomotive fleet in need of reapir and 5 per cent of the freight car fleet. Percentages of the Bangor and Aroostook, as of December 31,1932, were, he said, 2.4 and 3.6 respectively.

Impressive though these figures are, they pale when compared to those today. On December 31,1964, there were no locomotives out of service and the freight car bad order ratio was 1.8

per cent.

In short, the "integrity" with which the Bangor and Aroostook maintains its equipment is, if anything, greater toady than it was yesterday. But it is being maintained in many different ways and in different places.

Part of this is attributable to changes in the equipment itself, as witness the diesel and the all-steel box car, part to technilogical developments over the years and part to geographic

factors.

Insofar as the third is concerned, the car shop in Houlton was closed in 1925 and all of the railroad's repair work was consolidated at Derby. The policy of concentrating repairs at Derby went unchanged until the diesels came. Then, strange though it may sound, the compelling factor that led to the construction of repair facilities elsewhere was the Medford Cutoff.

Freight trains bring in diesels in need of repair and effeciency dictated the use of through trains because of the greater numbers. However, all Bangor and Aroostook through freights

travel over the Medford Cutoff which runs east of Derby.

There was only one feasible solution of this problem; a diesel repair shop at either Oakfield or Northern Maine Junction. A study of all that was involved led to the rejection of Oakfield and in 1954 an engine house at Northern Maine Junction was converted into a diesel shop for running repairs and major overhauls.

Subsequently rip tracks were laid at Northern Maine Junction for out-of-doors box car repairs. Obviously this is a summer operation and its justification is employment for the large force of car inspectors required at Northern Maine Junction during the other nine months

of the year.

Service at an interchange point for mechanical refrigerator cars became increasingly imperative in 1964 as the railroad's ownership of this type of car multiplied. As a result servicing facilities were constructed in 1965 at Northern Maine Junction, but not facilities for major repairs which are made at Derby.

At Derby itself, \$300,000 was expended in 1957 for a completely modern paint shop that

includes shot blast and hot spray equipment.

Trackmobiles have replaced a cable in the operation of the transfer table between the car shop and the locomotive shops. Posts have been removed to permit the use of fork lift trucks. Individual drive motors have eliminated overhead belting.

The stores department has been streamlined and what was once the engine house now provides space for snowplow repairs and overflow work from the car shop.

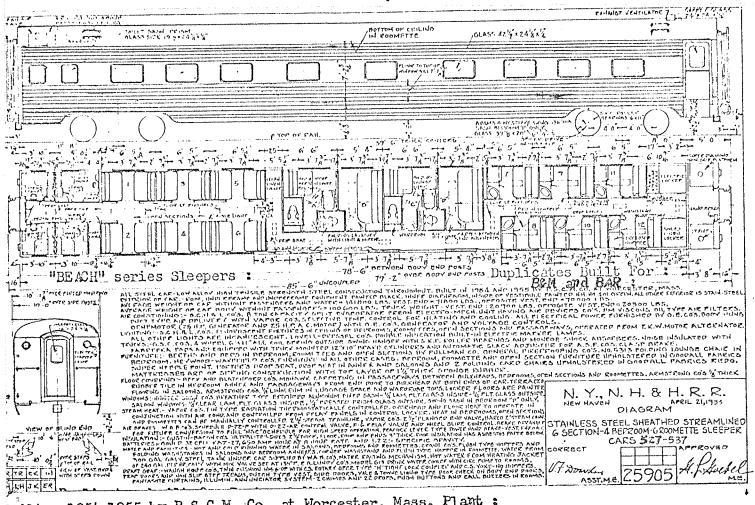
The net of all this is a highly effecient operation with, nevertheless, one of the highest maintenance of equipment ratios in the railroad industry.

To understand this seeming paradox requires more than a casual knowledge of railroad accounting.

The ratio itself is the percentage relationship between what a maintenance equipment department spends and what a railroad takes in as operating revenue. But operating revenue does not include rental income, earned by the equipment.

Thus the maintenance of equipment department of the Bangor and Arosstook Railroad is charged with the expense of maintaining locomotives and freight cars ("expense" includes well over \$1,500,000 in depreciation) yet is credited with none of the net rental earnings which, in 1964, exceeded \$2,000,000.

FREE BREAKFAST ON THE B.A.R. ---- Its true, free breakfast was given to all sleeping car passengers on the B.A.R. during the year 1955. The decision to serve the free breakfast-which included juice, eggs, bacon, muffin or toast and coffee - stem from the success of the free morning coffee service available to bedroom and roomette passengers during the year of 1954. (From Railway Age Magazinw, Issue of Feb. 21, 1955-Page 7.)



Suilt: 1954-1955 by P.S.C.M. Co. at Worcester, Mass. Plant: 5 Sect-4 Dbl BR-6 Rmt, Stainless Steel Sheathed Sleepers of this type built for:

## New Haven

Baileys Beach .....

## Various Assignments:

Crescent Beach ...... CV's "The Vermonter", St. Albans-NY, 8-4-1956 & "The Montrealer" between Wh. River Jct. & New York, Penna. Station.

Matunuck Beach .....

Monument Beach ..... CV's "The Washingtonian", Montreal-NY, Apr. 26, 1959

Nantasket Beach .... CV's "The Washingtonian", Montreal-NY, Aug. 4, 1956
Popponesset Beach .. CV's "The Montrealer", Washington-Montreal, Apr. 1959
Rocky Neck Beach ....

Sound Beach ..... CV's "The Vermonter", St. Albans-NY, July 1957 & CV's "The Washingtonian", Montreal-Washington, Apr. 1959

MY-Vermont Sleepe Handled in the "Vermonter" Train No. 303 White Riv

Jct. to St. Albans

Handled in "The Washingtonia"

Bangor & Aroostook

Assignments for June 1955:

North Twin Lake .....Boston to Van Buren, Me.: "Potatoland Special", via B&M-MeC "Gull" from Boston South Twin Lake .....Van Buren, Me. to Boston: "Potatoland Special", via B&M-MeC "Penobscot" to B&M-MeC

## Boston & Maine

Hampton Beach ..... "The Gull", Boston to St. John, Via B&M-MeC-CP, Summer 1955
Rye Beach ..... "The Gull", Boston to St. John, Via B&M-MeC-CP, Summer 1955
(Rye Beach seen on "The Gull", 3-28-1956, 6-13-1956, 6-22-1956, 6-29-1956 & 7-6-1956).
Old Orchard Beach .... "State of Maine Express", New York-Portland, Summer 1956.
Salisbury Beach .... "State of Maine Express", New York-Portland, Summer 1956.

On Aug. 17, 1956, OLD ORCHARD BEACH appeared on tail-end of the 15-car, PRR-NH-B&M-MeC's, All-Pullman, "Bar Harbor Express", at Providence, going North. Was running as "Car NP-15", New York-Portland, Me.