

6. Spring Steel.
7. Netting.
8. Couplers.
9. Mild Steel.
10. Steel Clippings.
11. Fire Box Steel.
12. Boiler Plate.
13. Burnt Scrap.
14. Cast Iron.
16. Wrought Iron.
17. Long Tubes.
18. Short Tubes.
19. Brass F. Dross.
20. Tires.

Another example of reclaiming waste is that adopted by the Toronto Street Railway for recovering babbitt metal. A furnace has been devised with five burners, four playing on the bearing from which the metal is to be removed and one above. The babbitt melted from armature bearings is run into ingot molds and used for axle bearings. When babbitt is melted from axle bearings it is saved and analyzed, the proper ingredients being added to bring it up to its original composition. This procedure has resulted in appreciable savings.

MOTOR CARS INCREASE EFFICIENCY IN SECTION WORK.

Three years ago the Chicago, Milwaukee & St. Paul Railway started a thorough test of motor cars to replace hand cars. The test was conducted on a division in Illinois consisting of 130 miles of double track. On this division from \$8,000 to \$10,000 a year is being saved by the use of these cars.

This saving has been accomplished in several ways. Length of sections have been increased, so that the expense of foremen was reduced one-third without reducing the efficiency of supervision. About one hour per day is saved in going to and from work; while in times of emergency the motor cars are valuable.

GIVING PRICES OF MATERIAL TO FOREMEN INCREASES ECONOMY ON DIVISIONS.

Mr. E. R. Lewis, Division Engineer on the Michigan Central, Bay City, Mich., has adopted the following plan with the idea of providing each foreman with the prices of the materials used by him and introducing a healthy spirit of rivalry:

Each roadmaster is provided with a current price list of materials and tools, also with a supplementary sheet of units, weights, measures and costs designed to facilitate rapid calculations of prices of small materials usually quoted in hundred weights, tons, kegs or feet board measure. These price lists are altered or renewed from time to time to suit the market