

IRON WORKS.
PITTSBURGH FORGE AND IRON CO.,
 MANUFACTURERS OF
 Bar Iron;
 Railroad Fish Bars and Bolts;
 Railroad Car Axles Bolted;
 Railroad Car Axles Hammered;
 Locomotive Frames;
 Locomotive Frame Shapes;
 Side Rods;
 Yokes, Straps;
 Piston Heads;
 Steamboat Shafts;
 Piston Rods, Wrists;
 Pitman Bars, Collars, &c.
 Office, No. 177 PENN STREET,
 PITTSBURGH, P.

GRAFF, HYERS & CO.,
 MANUFACTURERS OF
Bar, Hoop and Sheet Iron,
WROUGHT IRON,
 Iron Welded Tubes for Gas, Steam,
 Water, &c.
 ALSO,
OIL WELL TUBING.
 Office, 98 Water and 132 First Streets,
 PITTSBURGH, Pa.

KENSINGTON IRON WORKS.
LLOYD & BLACK,
 MANUFACTURERS OF
 Best Common, Refined, Charcoal
 AND
JUNIATA BLOOM IRON.
 MERCHANT BAR, ROUND AND SQUARE IRON,
 HOOP, BAND, T AND ANGLE IRON,
 BOLLERS, SHEET IRON,
 MOWERS AND BEATER BARS,
 CUTTING AND GRINDING IRON,
 SMALL T BARS, 30 and 36 lbs. to the yard,
 WHEELS AND GEAR TEETH FOR SAWS,
 PLAN MILLS, Punched and Counterdrum
 SCREWS,
 NAILS AND SPIKES,
 ALL KINDS OF IRON CASTINGS,
 OILS AND GREASES,
 Office at the corner of
 OUTH STREET, (a continuation of First street),
 adjoining the City Gas Works, Pittsburgh.

REYERSON, PRESTON & CO.,
Pennsylvania Iron Works.
 Warehouse, Nos. 166 and 167 FIRST STREET,
 opposite Monongahela River, PITTSBURGH,
 Pa.

STEEL WORKS.
PITTSBURGH/STEEL WORKS.
 (ESTABLISHED IN 1845.)
ANDERSON & WOODS,
 SUCCESSORS TO ANDERSON, COOK & CO.,
 Manufacturers of every description of
STEEL.
BEST REFINED TOOL STEEL.
 Mill, Muley, Circular, Gang and Cross Cut
SAW PLATES.
 Spring, Flat and German Flow and Hitter Steel,
 Hoop, Fork, Jacks and Tool Steel,
 Railroad Springs and Prop Pulley, Cast Steel
 Flange Bars, Slick Steel, Spring Steel Tyre, Flow
 Wires, etc. Oil Drill Steel, etc.
 Office and Warehouse FIRST AND ROSS STS.,
 PITTSBURGH, Pa.

SHEFFIELD STEEL WORKS.
SINGER, NIMICK & CO.,
 PITTSBURGH, PA.
 Manufacturers of every description of
CAST AND GERMAN STEEL.
 RAILWAY SPRINGS,
 STEEL TIES, PLATFORM SPRINGS,
 STEEL TIES, STEEL TIES, &c.
 Warehouse, 85 Water and 100 First Sts.
MILLER, BARR & PARKIN.
 GENERAL PARTNERS:
 W. M. MILLER, GEORGE MILLER,
 GEO. W. BARR, J. DEAS, PARKIN,
 SPECIAL PARTNER—S. M. KIRK.
CRESCENT STEEL WORKS,
MILLER, BARR & PARKIN,
 Office, No. 339 Liberty St.,
 PITTSBURGH, PA.

BLACK DIAMOND
STEEL WORKS.
PARK, BROTHER & CO.,
 Manufacturers of all descriptions of
STEEL.
 Office and Warehouse, 120, 122, 124 SECOND
 AND 119 AND 121 FIRST STREETS,
 PITTSBURGH.

NOVELTY WORKS.
PITTSBURGH
NOVELTY WORKS.
ADAMS, M'KEE & CO.,
 MANUFACTURERS OF
 Keystone Handmade Patent Platform
 and Counter
S. C. A. L. E. S.
 Janus Faced Patent Door Locks and Latches,
 PAINT AND C. NEEVE MILLS,
 MALLEABLE IRON, &c.
 Corner of Grant and First Streets,
 PITTSBURGH.

FOUNDERS, MACHINISTS.
ATLAS WORKS,
 MORTON STREET, Ninth Ward,
 PITTSBURGH.
THOMAS N. MILLER, President.
 These Works are among the largest and most
 complete establishments in the West, and are now
 prepared to furnish
 Engines, of every description,
 Boilers, Oil Tanks,
 Sheet Iron Work,
 Railroad Castings,
 Rolling Mill Castings,
 Engine Castings,
 Machine Castings,
 General Castings.
 ORDERS SOLICITED

NATIONAL FOUNDRY
AND PIPE WORKS.
 Corner Carroll and Smallman Streets,
 (NINTH WARD.)
PITTSBURGH, PA.
WM. SMITH,
 Manufacturer of
CAST IRON BOWL PIPE,
 FOR GAS AND WATER WORKS.
 My Pipes are all cast invariably in this, in dry
 sand, and 18 feet length. Also, full assortment of
 General Castings for Gas and Water Works.
 I would also call the attention of Superintendents
 of Gas Works to my make of SEWER
 PIPES.

LIVINGSTON & CO.,
IRON FOUNDERS,
 MANUFACTURERS OF
FINE LIGHT CASTINGS,
 All descriptions, for Plumbers and Gas Fitters; Agri-
 cultural Implements, Cotton and Woolen Mill Ma-
 chinery, etc. Promptly attended to.
 Office and Works—WASHINGTON AVENUE,
 next Corner Duquesne, ALLEGHENY CITY, Pa.

ROBINSON, REA & CO.,
 Successors to ROBINSON, MITTS & MILLERS,
WASHINGTON WORKS,
 FOUNDERS AND MACHINISTS, PITTSBURGH,
 Manufacturers of Best and Stationary Steam En-
 gines, Blast Engines, Mill Machinery, Gearings,
 Steam Boilers, Oil Stills, Agitators, Sealing Pans,
 Sills, Bolts and Sheet Iron Work.
 Office and Warehouse, 100 and 102
 OUTH STREET, (a continuation of First street),
 adjoining the City Gas Works, Pittsburgh.

MONT BLANC FOUNDRY,
 Butler Street, Ninth Ward,
 (Opposite Union Iron Mills.)
 PITTSBURGH.
 Rolling Mill and Bridge Castings,
 THIMBLE SKEINS AND PIPE BOXES,
 MACHINERY AND CASTINGS GENERALLY.
 Orders promptly and carefully executed.
 Charges reasonable.
EBBERT & MACKLIND,
 BERLIN FOUNDRY,
 PRICE & SIMS,
 Office and Warehouse, 29 Wood Street.
 Manufacture and keep constantly on hand
 Thimble, Skein and Pipe Boxes,
 WAGON BOXES, DOG IRONS,
 SUGAR KETTLES, HOLLOW WARE,
 And Castings generally.

THOMAS CARLIN & CO.,
 Fourth Ward Foundry and Machine Works,
 SANDUSKY ST., ALLEGHENY CITY, PA.
 MANUFACTURERS OF Steam Engines, Oil Presses, Pul-
 lery, and all kinds of Mill Work, Rolling
 Mill and Machine Castings, Grate Bars, Weights,
 and all kinds of Castings. Have on hand
 and ready to make all kinds of
CENTRAL FOUNDRY
AND ROLL WORKS
 880 Penn Street.
BOLLMAN, BOYD & BAGALEY.
 On Hill, Mill Castings, Roll Lathes, &c.

FULTON MACHINE WORKS.
 Manufacturers of STEAM ENGINES, of all sizes
 and the most improved pattern, for stationary
 purposes; STEAMBOATS and STEAM FERRY
 ENGINES, of all sizes; and all kinds of
 ENGINES, which will be sold at very reduced
 prices.
 P. F. GEISSE, Wellsville, O.
 Fifty miles below Pittsburgh, on the Ohio river, and
 line of C. & P. R. R.

LUMBER.
LUMBER! LUMBER! LUMBER!
ALEXANDER PATTERSON,
 Dealer in all kinds of Lumber.
 ON HAND AND FOR SALE:
 500,000 feet Dry Pine Boards;
 200,000 feet Dry Pine Lumber;
 300,000 feet Dry Ash, 2, 3, 4 and 3 inch;
 1,000,000 feet Dry Lumber, sawed;
 100,000 feet Dry Lumber, sawed;
 100,000 feet Dry Lumber, sawed;
 100,000 feet Dry Lumber, sawed;
 100,000 feet Dry Lumber, sawed;
 Also, Fire Brick, Tile and Clay, in large or small
 YARDS No. 86 PERKINS STREET, formerly
 Manchester, and 100 HOBSON STREET, oppo-
 site the Gas Works, Allegheny City.
FORT PITT LUMBER COMPANY
 Capital, \$125,000.
 President—EDWARD DITTRIDGE,
 Secretary—JOHN H. COOPER,
 Treasurer—EDWARD DITTRIDGE,
 Directors: L. F. DUNN,
 J. H. COOPER, M. L. MALONE,
 G. W. DUNN, M. L. MALONE,
 S. H. JOHNSON.
 LUMBER YARD—Corner of BUTLER and LUM-
 BER STREETS, Ninth Ward.
 OFFICE AT FORT PITT GLASS WORKS, Wash-
 ington Street.
GAS AND STEAM FITTING.
 JOHN H. COOPER, Proprietor,
JOHN H. COOPER & CO.,
 Corner of Pike and Walnut Streets,
 PITTSBURGH.
BRASS FOUNDERS,
GAS AND STEAM FITTERS,
 Manufacturers of PUMPS and BRASS WORK,
 of every description, dealers in GAS FIXTURES
 and all kinds of
IRON BROKERS.
SAMUEL M. WICKERSHAM,
IRON BROKER,
 124 First Street, Pittsburgh, Pa.

ENGINES, BOILERS, & CO.
FORT PITT
BOILER, STILL AND TANK
WORKS.
CARROLL & SNYDER,
 MANUFACTURERS OF
 TUBULAR, DOUBLE-FLEVED TUBULAR, FIRE-
 BOX AND CYLINDER STEAM BOILERS,
 OIL STILLS AND OIL TANKS,
 CHIMNEYS, BLEEDING AND ASH PANS,
 SETTLING TANKS, SALT PANS AND CON-
 DENERS;
 STEAM PIPES, GASMETERS AND IRON
 BRIDGES;
 Office and Warehouse, Corner Second,
 Third, Short and Liberty Streets,
 PITTSBURGH, Pa.
 Orders sent to the above address will be
 promptly attended to.

WM. BARNHILL & CO.,
BOILER MAKERS
AND SHEET IRON WORKERS,
 Nos. 20, 22, 24 and 26 PENN ST.
 Having secured a large yard and furnished it with
 the most approved machinery, we are prepared to
 manufacture every description of BOILERS in the
 best manner, and warranted equal to any made in
 the country. Also, we have on hand a full stock of
 Steam Pipes, Locomotive Boilers, Condensers, Salt
 Pans, Oil Stills, Agitators, Sealing Pans,
 Boiler Iron, Bridges, Sugar Pans, and all manuf-
 actures of Sheet Iron, at the shortest notice.
JAMES M. RITER,
 Nos. 55 and 56 Water Street,
 PITTSBURGH, PA.
 MANUFACTURER OF
IRON OIL TANKS,
 SETTLING PANS, COPPER STEAM PIPE,
 ROLLING MILL STACKS,
 AND SHEET IRON WORK,
 FOR STEAMBOATS.

JARED M. BRUSH & SON,
 MANUFACTURERS OF
Steam Boilers, Oil Stills, Tanks,
SHEET IRON WORK, & C.
 61 Penn Street, Pittsburgh, Pa.
G. STETTLER SONS & CO.,
 MANUFACTURERS OF
Steam Boilers, Oil Stills, Tanks,
 AND SHEET IRON WORK, of all kinds,
 Locust Street, Fifth Ward, Pittsburgh,
 Pa.

STOVES, CASTINGS, & C.
COOK STOVES.
GET THE BEST.
BISSELL & CO.'S
 TRIUMPH,
FOE BITUMINOUS COAL.
 Warranted to Cook, Bake or Roast as
 well as any other Stove in the Union.

BISSELL & CO.,
 No. 235 Liberty Street.
 Also on hand and for sale:
 PARLOR STOVES,
 HEATING STOVES,
 GREAT PORTLAND CEMENTS,
 COOKING RANGES, &c.
CHEAPEST PLACE in the city
 TO BUY THE
TRIUMPH COOKING STOVE,
 Is at No. 146 GIANT STREET.
 P. C. DUFFY.

OILS.
WARNING AND KING,
 Commission Merchants and Brokers in
Petroleum and its Products,
 DALZEL'S BUILDING, DUQUESNE WAY,
 PITTSBURGH, PA.
 PHILADELPHIA ADDRESS,
 WARING, KING & CO.,
 127 Walnut Street.

TACK BROTHERS,
 COMMISSION MERCHANTS,
 AND DEALERS IN
Petroleum and its Products.
 Pittsburgh Office—DALZEL'S BUILDING, cor-
 ner of Duquesne Way and Irwin streets.
 Philadelphia Office—137 WALNUT ST.
JACOB WEAVER, Jr. & Co.,
 Oil Commission Jobbers,
 No. 8 DUQUESNE WAY, will buy and sell Crude
 Refined Oil, Lubricating Tar, Benzine and
 Coal Oil, and all kinds of Petroleum Products,
 and enable us to furnish you with the best
 quality of oil at the lowest price. We are
 constantly on hand a full stock of all kinds of
 Petroleum Products, and are prepared to
 give you a call. Parties having oil for sale
 are cordially invited to bring their samples.
H. M. LONG & CO.,
 MANUFACTURERS OF
PURE WHITE BURNING OIL,
 Brand "LUCIFER."
 Office, No. 2 Duquesne Way, Pittsburgh.

FURNITURE.
118. PRACTICAL 118.
FURNITURE MANUFACTURERS,
 WHOLESALE AND RETAIL.
LEMON & WEISE,
 NO. 118 FORTTH STREET,
 constantly on hand every variety of PARLOR and
 Office Furniture, and all kinds of
 assortment of common Furniture at reduced
 prices.
 These in want of anything in the line are cordially
 invited to call before purchasing.
 Work guaranteed.
LEMON & WEISE.
LAKE SUPERIOR
COOPER MILL AND SMELTING WORKS,
 PITTSBURGH.
PARK, McCURDY & CO.,
 Manufacturers of Sheetings, Brackets and Best
 Copper, Pinned Copper, Bottoms, Banded Sheet
 Iron, Boiler Plates, etc. Also, Iron and Steel
 Castings, and all kinds of
 constantly on hand. Iron, with
 second hand machinery, and
 special orders of Copper, cast to any
 size.

FINANCIAL.
FORT PITT BANKING COMPANY,
 No. 169 Wood Street.
 CAPITAL, : : : : \$200,000.
 STOCKHOLDERS INDIVIDUALLY LIABLE.
 DEALERS IN
GOVERNMENT SECURITIES,
AND GOLD.
 INTEREST ALLOWED ON TIME DEPOSITS.
 Collections made on all accessible points in the
 United States and Canada.
 DIRECTORS:
 D. Hostetter, J. H. Hamilton,
 James Gordon, John H. Hamilton,
 W. Wallace, Andrew Miller,
 E. Fawcett, James M. Halley,
SAM'L McCURRY, Pres't.
D. LEET WILSON, Cashier.

KEYSTONE BANK,
 No. 293 LIBERTY STREET,
 PITTSBURGH, PA.
 CAPITAL, (authorized), : : : : \$200,000.
 DIRECTORS:
 H. J. Lynch, J. H. Hamilton,
 John H. Hamilton, Henry Bockstaege,
 Samuel Barstieley, Geo. T. Van Doren,
 and J. M. Deere.
A GENERAL BANKING BUSINESS
 TRANSACTED
 Collections made on all accessible points in the
 United States and Canada.
 Interest Allowed on Time Deposits.
 UNITED STATES SECURITIES BOUGHT AND SOLD.
H. J. LYNCH, President.
GEO. T. VAN DOREN, Cashier.
 STOCKHOLDERS INDIVIDUALLY LIABLE.

PEOPLES SAVINGS BANK,
 OF PITTSBURGH.
 CASH CAPITAL, \$100,000.
 President—HENRY LLOYD.
 Vice President—WILLIAM REA.
 TRUSTEES:
 Henry Lloyd, Hon. Thos. Mellon, E. P. Jones,
 Thos. W. Hamilton, Geo. W. Hamilton, Wm. Rea,
 H. H. Hartley, Edward Gregg, Hiram Stowe.
 Secretary & Treas'r—S. P. VON BONHOFER.
 SIX PER CENT INTEREST paid on time de-
 posits. Deposits made on or before August 15th will
 earn interest from that date. Interest computed
 1st November and 1st May.

NATIONAL BANK OF COMMERCE,
 Cor. of Wood and Sixth Sts.
A. PATTERSON, President.
JOS. H. HILL, Cashier.
 CAPITAL, : : : : \$500,000.
 DIRECTORS:
 A. Patterson, George W. Case,
 Wm. H. Brown, James McCandless,
 Chas. L. Brown, John H. Hamilton,
 Allen Kirtland, Wm. Reed.
DISCOUNTS DAILY, AT 11 A. M.
HART, CAUGHEY & CO.,
 BANKERS AND BROKERS,
 Corner Third and Wood Streets,
 PITTSBURGH, PA.
 (SUCCESSORS TO HANNA, HART & CO.)
 DEALERS IN
Exchange, Coin, Coupons,
 And particular attention paid to the purchase and
GOVERNMENT BONDS.
 Sight Drafts on London.

N. HOLMES & SONS,
 57 Market Street,
 PITTSBURGH, PA.
 Collections made on all the principal points of the
 United States and Canada.
Stocks, Bonds and other Securities
 BOUGHT AND SOLD ON COMMISSION.
 Particular attention paid to the purchase and sale of
United States Securities.
WESTERN SAVINGS BANK,
 No. 59 Fourth Street.
 CHARTERED 1866.
 Interest paid on Time Deposits
 ANY SUM RECEIVED FROM
ONE DOLLAR UPWARD.
 DEPOSITS SUBJECT TO CHECK WITHOUT
 INTEREST.
 Discounts Daily at 10 o'clock.
 President—THOMPSON HILL.
 Vice President—A. M. MARSHALL.
 DIRECTORS:
 THOMPSON HILL, A. M. MARSHALL,
 J. G. DILLON, J. G. DILLON,
 J. J. GILLLESPIE,
 Stockholders to whom we make reference
 Wm. Forth, Joseph Dilworth,
 Wm. Caldwell, Ben. David Kerr,
 D. W. G. Hillwell, H. H. Lamb, Jr.,
 E. M. Fallon, Thos. Smith.

PH. R. MERTZ,
BANKER,
 Corner of Wood and Fifth Streets,
 GOVERNMENT AND PACIFIC R. R. BONDS,
GOLD, SILVER AND COUPONS
 Bought on the most favorable terms. Sells LET-
 TERS OF CREDIT and DRAFTS a table in any
 part of Europe.
 DEPOSITS received subject to check, or INTER-
 EST ALLOWED ON TIME DEPOSITS.

JAMES T. BRADY & Co.,
 (Successors to S. JONES & CO.)
 Corner Fourth and Wood Sts.,
BANKERS,
 BUY AND SELL ALL KINDS OF
GOVERNMENT SECURITIES,
GOLD, SILVER AND COUPONS,
 ON MOST FAVORABLE TERMS.
 Interest Allowed on Deposits.
 Money loaned on Government Bonds at low-
 est market rates.
 Orders executed for the Purchase and
 Sale of STOCKS, BONDS and GOLD.
JAMES T. BRADY & CO.

The Pittsburgh Gazette.
FINANCE AND TRADE.
 OFFICE OF THE PITTSBURGH GAZETTE,
 THURSDAY, August 13, 1886.
 Government bonds are very dull to-day,
 and transactions were confined to the small
 demand for counter use of the regular deal-
 ers, although gold has advanced rapidly
 last week, from 145 to 150. The market in
 governments did not respond to the ad-
 vance, but abundance of money forces mon-
 etary institutions into the market to buy
 bonds to employ their surplus funds. Cap-
 italists are not purchasers of government
 bonds at present. The general impression
 is that as soon as the drain for currency is
 westward, and money commands better
 interest, Governments will decline. For
 stocks, reason for an early decline is given
 in the entire absence of outside buyers,
 and the whole load of the market has
 to be carried by the cliques which they
 alone sustain the market and transactions
 are among their own members to give the
 market appearance of activity.
 Gold is remarkably firm and seems to
 have touched bottom yesterday, for a new
 rise which the bull clique, headed by a
 speculative Wall street Banker, is going to
 engineer. For commercial as well as for
 political reasons, a rise of the gold pre-
 mium is inevitable; the late decline was the
 work of a few German bankers aided by
 importers who are largely short in gold;
 the best proof for this is in the unusual
 low rate of exchange, which especially
 German houses sell their bills. So soon as
 they have sold enough exchange to cover
 their short gold contracts they will join the
 bulls and rally the market to whatever
 point their leader sees fit to carry it.
 The New York Stock quotations to-day
 as received by Mr. Ph. R. Mertz, were as
 follows: Gold 147 3/4, 1881's, 115 3/4, 5-20's,
 1852, 114 3/4, do 1854, 110 3/4, do 1855, 112 3/4, do
 new, 105 3/4, do 1857, 109 3/4, do 1858, 105 3/4,
 do 1859, 108 3/4, do 1860, 107 3/4, do 1861, 105 3/4,
 do 1862, 104 3/4, do 1863, 103 3/4, do 1864, 102 3/4,
 do 1865, 101 3/4, do 1866, 100 3/4, do 1867, 99 3/4,
 do 1868, 98 3/4, do 1869, 97 3/4, do 1870, 96 3/4,
 do 1871, 95 3/4, do 1872, 94 3/4, do 1873, 93 3/4,
 do 1874, 92 3/4, do 1875, 91 3/4, do 1876, 90 3/4,
 do 1877, 89 3/4, do 1878, 88 3/4, do 1879, 87 3/4,
 do 1880, 86 3/4, do 1881, 85 3/4, do 1882, 84 3/4,
 do 1883, 83 3/4, do 1884, 82 3/4, do 1885, 81 3/4,
 do 1886, 80 3/4, do 1887, 79 3/4, do 1888, 78 3/4,
 do 1889, 77 3/4, do 1890, 76 3/4, do 1891, 75 3/4,
 do 1892, 74 3/4, do 1893, 73 3/4, do 1894, 72 3/4,
 do 1895, 71 3/4, do 1896, 70 3/4, do 1897, 69 3/4,
 do 1898, 68 3/4, do 1899, 67 3/4, do 1900, 66 3/4,
 do 1901, 65 3/4, do 1902, 64 3/4, do 1903, 63 3/4,
 do 1904, 62 3/4, do 1905, 61 3/4, do 1906, 60 3/4,
 do 1907, 59 3/4, do 1908, 58 3/4, do 1909, 57 3/4,
 do 1910, 56 3/4, do 1911, 55 3/4, do 1912, 54 3/4,
 do 1913, 53 3/4, do 1914, 52 3/4, do 1915, 51 3/4,
 do 1916, 50 3/4, do 1917, 49 3/4, do 1918, 48 3/4,
 do 1919, 47 3/4, do 1920, 46 3/4, do 1921, 45 3/4,
 do 1922, 44 3/4, do 1923, 43 3/4, do 1924, 42 3/4,
 do 1925, 41 3/4, do 1926, 40 3/4, do 1927, 39 3/4,
 do 1928, 38 3/4, do 1929, 37 3/4, do 1930, 36 3/4,
 do 1931, 35 3/4, do 1932, 34 3/4, do 1933, 33 3/4,
 do 1934, 32 3/4, do 1935, 31 3/4, do 1936, 30 3/4,
 do 1937, 29 3/4, do 1938, 28 3/4, do 1939, 27 3/4,
 do 1940, 26 3/4, do 1941, 25 3/4, do 1942, 24 3/4,
 do 1943, 23 3/4, do 1944, 22 3/4, do 1945, 21 3/4,
 do 1946, 20 3/4, do 1947, 19 3/4, do 1948, 18 3/4,
 do 1949, 17 3/4, do 1950, 16 3/4, do 1951, 15 3/4,
 do 1952, 14 3/4, do 1953, 13 3/4, do 1954, 12 3/4,
 do 1955, 11 3/4, do 1956, 10 3/4, do 1957, 9 3/4,
 do 1958, 8 3/4, do 1959, 7 3/4, do 1960, 6 3/4,
 do 1961, 5 3/4, do 1962, 4 3/4, do 1963, 3 3/4,
 do 1964, 2 3/4, do 1965, 1 3/4, do 1966, 1/4,
 do 1967, 1/2, do 1968, 3/4, do 1969, 1/2,
 do 1970, 3/4, do 1971, 1/2, do 1972, 3/4,
 do 1973, 1/2, do 1974, 3/4, do 1975, 1/2,
 do 1976, 3/4, do 1977, 1/2, do 1978, 3/4,
 do 1979, 1/2, do 1980, 3/4, do 1981, 1/2,
 do 1982, 3/4, do 1983, 1/2, do 1984, 3/4,
 do 1985, 1/2, do 1986, 3/4, do 1987, 1/2,
 do 1988, 3/4, do 1989, 1/2, do 1990, 3/4,
 do 1991, 1/2, do 1992, 3/4, do 1993, 1/2,
 do 1994, 3/4, do 1995, 1/2, do 1996, 3/4,
 do 1997, 1/2, do 1998, 3/4, do 1999, 1/2,
 do 2000, 3/4, do 2001, 1/2, do 2002, 3/4,
 do 2003, 1/2, do 2004, 3/4, do 2005, 1/2,
 do 2006, 3/4, do 2007, 1/2, do 2008, 3/4,
 do 2009, 1/2, do 2010, 3/4, do 2011, 1/2,
 do 2012, 3/4, do 2013, 1/2, do 2014, 3/4,
 do 2015, 1/2, do 2016, 3/4, do 2017, 1/2,
 do 2018, 3/4, do 2019, 1/2, do 2020, 3/4,
 do 2021, 1/2, do 2022, 3/4, do 2023, 1/2,
 do 2024, 3/4, do 2025, 1/2, do 2026, 3/4,
 do 2027, 1/2, do 2028, 3/4, do 2029, 1/2,
 do 2030, 3/4, do 2031, 1/2, do 2032, 3/4,
 do 2033, 1/2, do 2034, 3/4, do 2035, 1/2,
 do 2036, 3/4, do 2037, 1/2, do 2038, 3/4,
 do 2039, 1/2, do 2040, 3/4, do 2041, 1/2,
 do 2042, 3/4, do 2043, 1/2, do 2044, 3/4,
 do 2045, 1/2, do 2046, 3/4, do 2047, 1/2,
 do 2048, 3/4, do 2049, 1/2, do 2050, 3/4,
 do 2051, 1/2, do 2052, 3/4, do 2053, 1/2,
 do 2054, 3/4, do 2055, 1/2, do 2056, 3/4,
 do 2057, 1/2, do 2058, 3/4, do 2059, 1/2,
 do 2060, 3/4, do 2061, 1/2, do 2062, 3/4,
 do 2063, 1/2, do 2064, 3/4, do 2065, 1/2,
 do 2066, 3/4, do 2067, 1/2, do 2068, 3/4,
 do 2069, 1/2, do 2070, 3/4, do 2071, 1/2,
 do 2072, 3/4, do 2073, 1/2, do 2074, 3/4,
 do 2075, 1/2, do 2076, 3/4, do 2077, 1/2,
 do 2078, 3/4, do 2079, 1/2, do 2080, 3/4,
 do 2081, 1/2, do 2082, 3/4, do 2083, 1/2,
 do 2084, 3/4, do 2085, 1/2, do 2086, 3/4,
 do 2087, 1/2, do 2088, 3/4, do 2089, 1/2,
 do 2090, 3/4, do 2091, 1/2, do 2092, 3/4,
 do 2093, 1/2, do 2094, 3/4, do 2095, 1/2,
 do 2096, 3/4, do 2097, 1/2, do 2098, 3/4,
 do 2099, 1/2, do 2100, 3/4, do 2101, 1/2,
 do 2102, 3/4, do 2103, 1/2, do 2104, 3/4,
 do 2105, 1/2, do 2106, 3/4, do 2107, 1/2,
 do 2108, 3/4, do 2109, 1/2, do 2110, 3/4,
 do 2111, 1/2, do 2112, 3/4, do 2113, 1/2