

Analyst's Handbook: Materials

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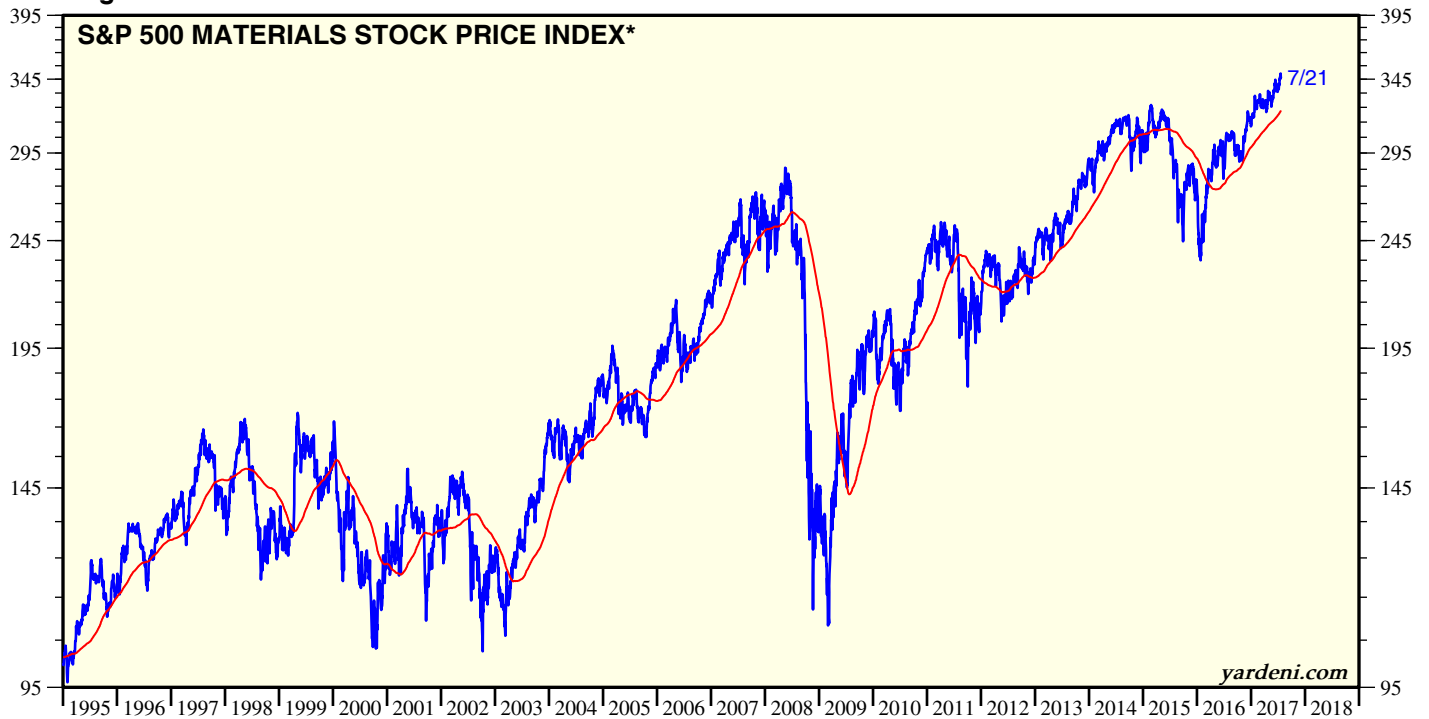
thinking outside the box

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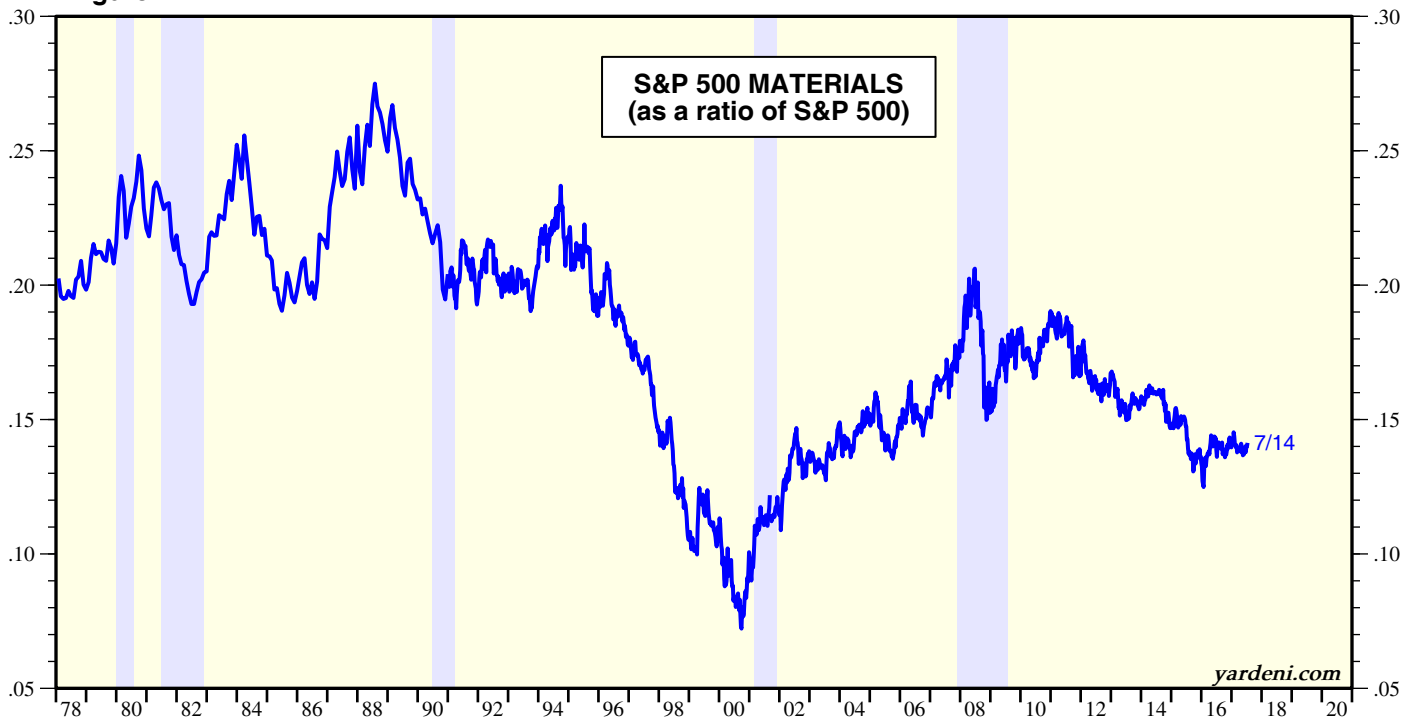
S&P 500 Materials

Figure 1.



* Ratio scale.
Source: Standard & Poor's and Haver Analytics.

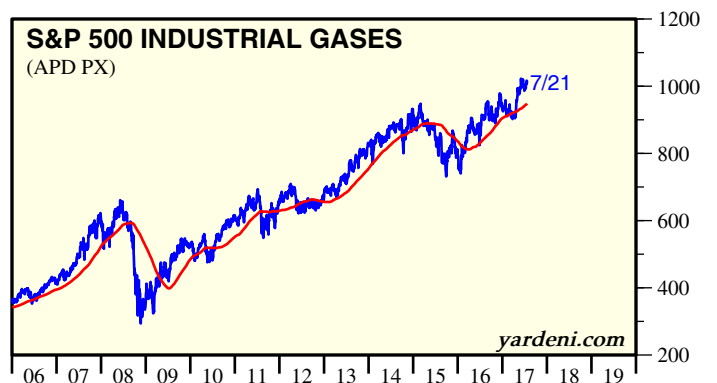
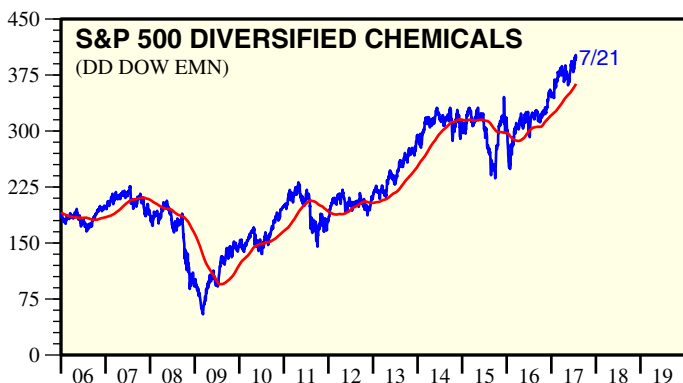
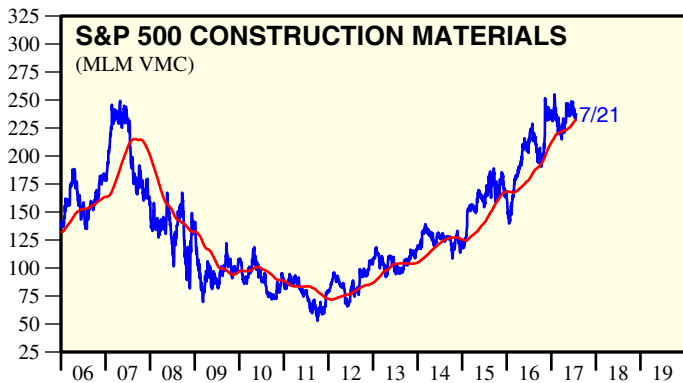
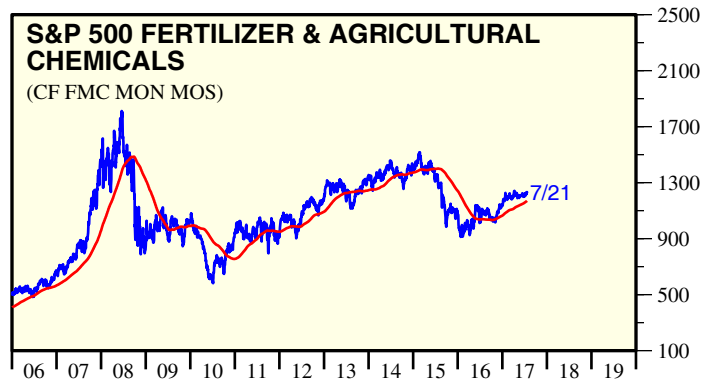
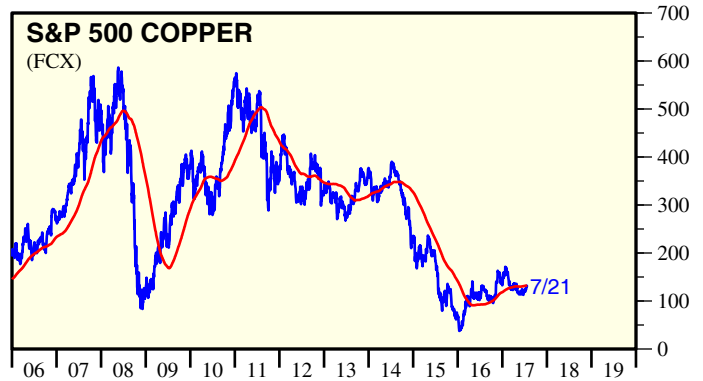
Figure 2.



Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Monthly through December 1990, then weekly. Monthly data an average of Aluminum, Chemicals, Diversified Chemicals, Gold, Iron & Steel, Metals Mining, Paper & Forest Products, and Paper Containers & Packaging industry ratios.
Source: Standard & Poor's Corporation.

S&P 500: Materials

Figure 3.



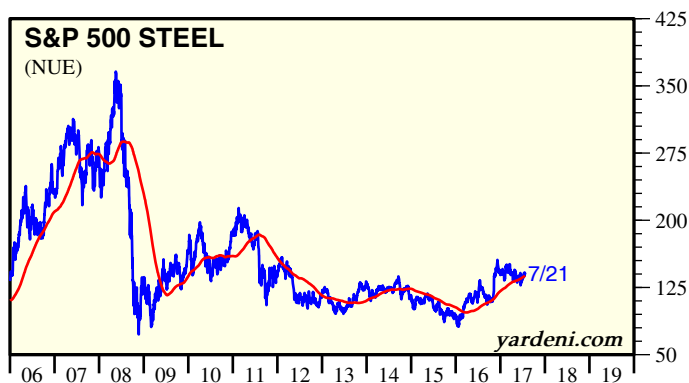
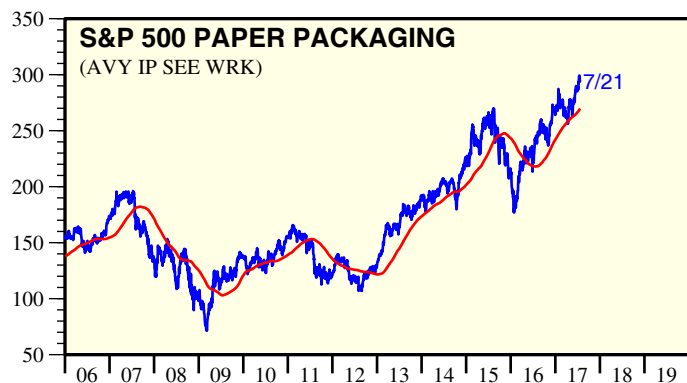
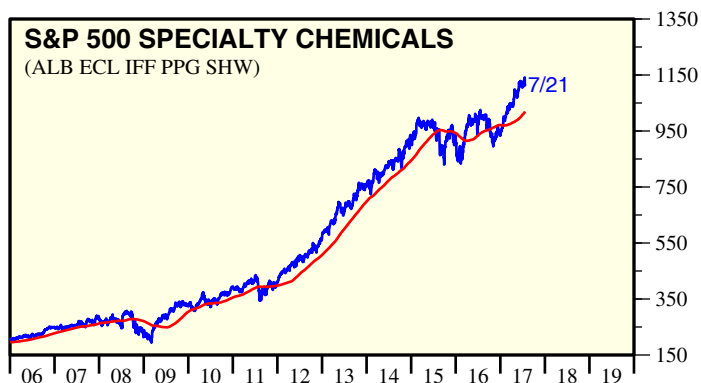
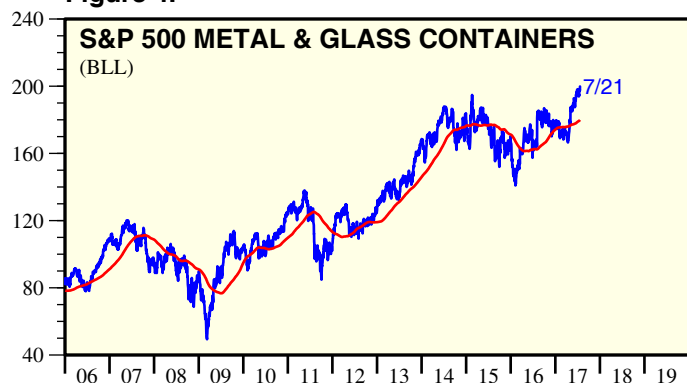
— 200-day moving average

Source: Standard & Poor's Corporation.

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S&P 500: Materials (cont)

Figure 4.

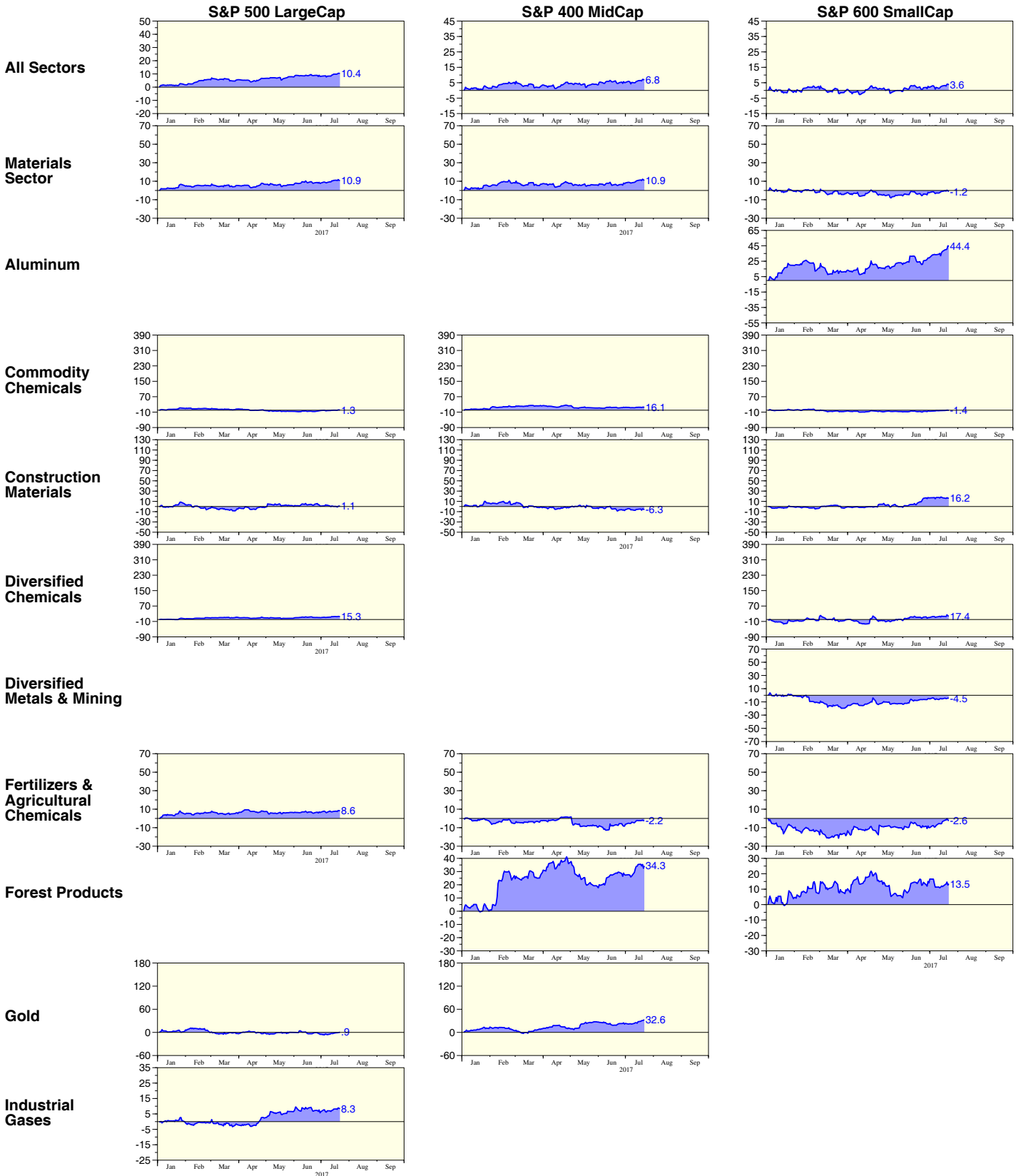


— 200-day moving average

Source: Standard & Poor's Corporation.

S&P 500/400/600 Materials YTD

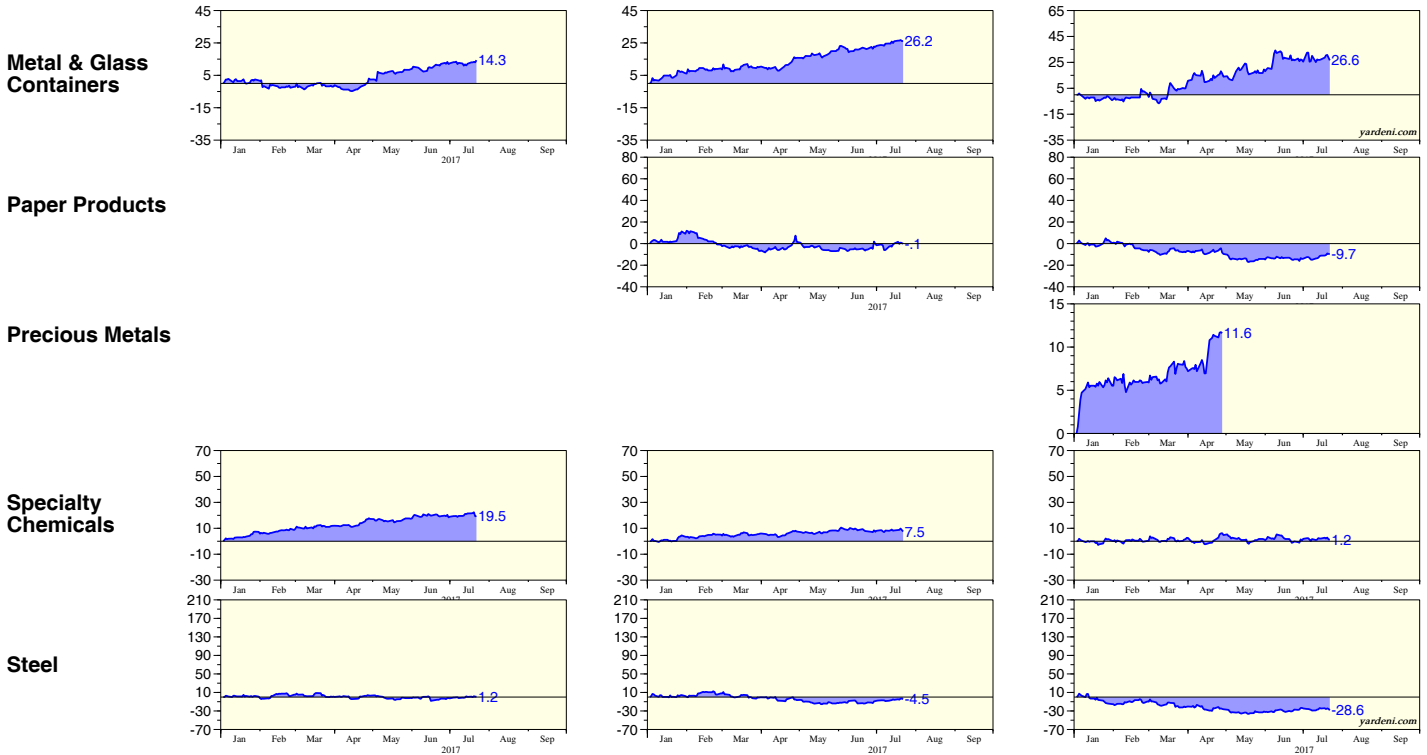
Figure 5.



Source: Standard & Poor's.

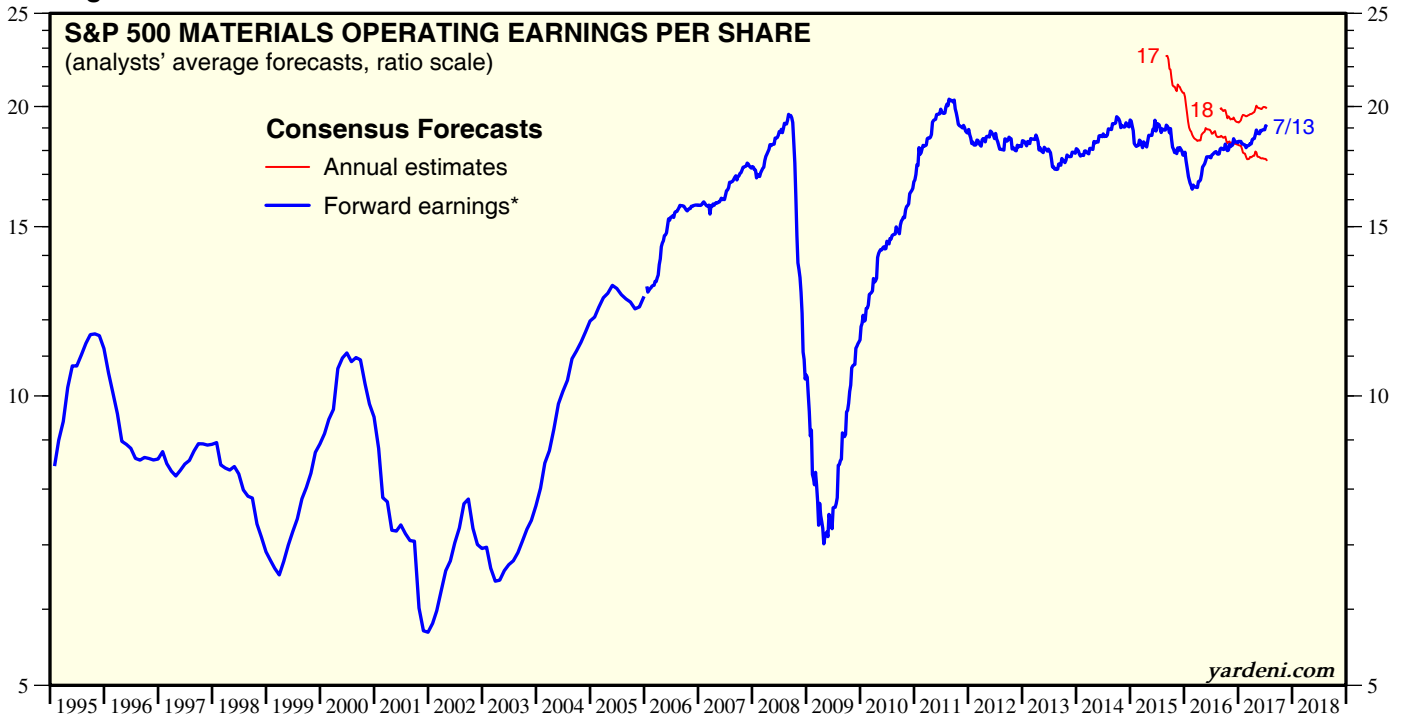
S&P 500/400/600 Materials YTD

Figure 6



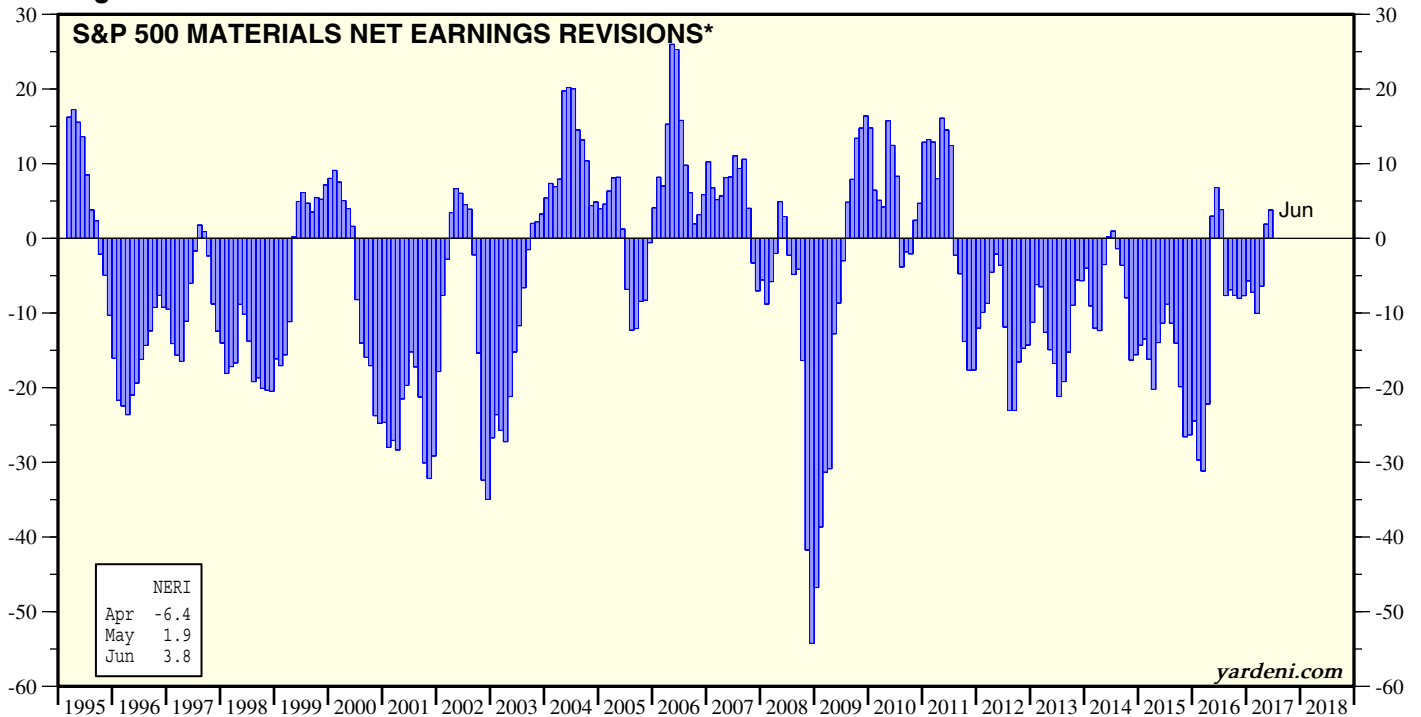
Earnings

Figure 7.



* Time-weighted average of consensus estimates for current year and next year. Monthly through December 2005, then weekly.
Source: Thomson Reuters I/B/E/S.

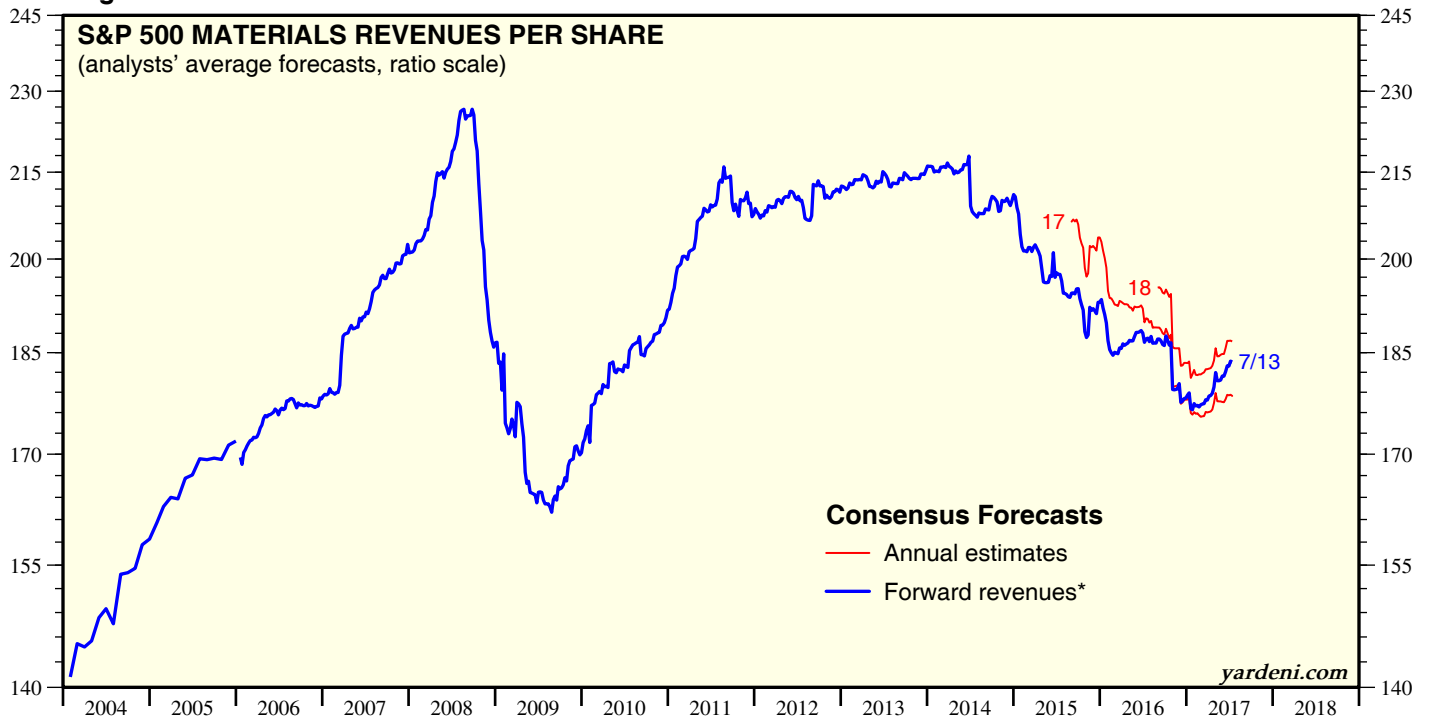
Figure 8.



* Three-month moving average of the number of forward earnings estimates up less number of estimates down, expressed as a percentage of the total number of forward earnings estimates.
Source: Thomson Reuters I/B/E/S.

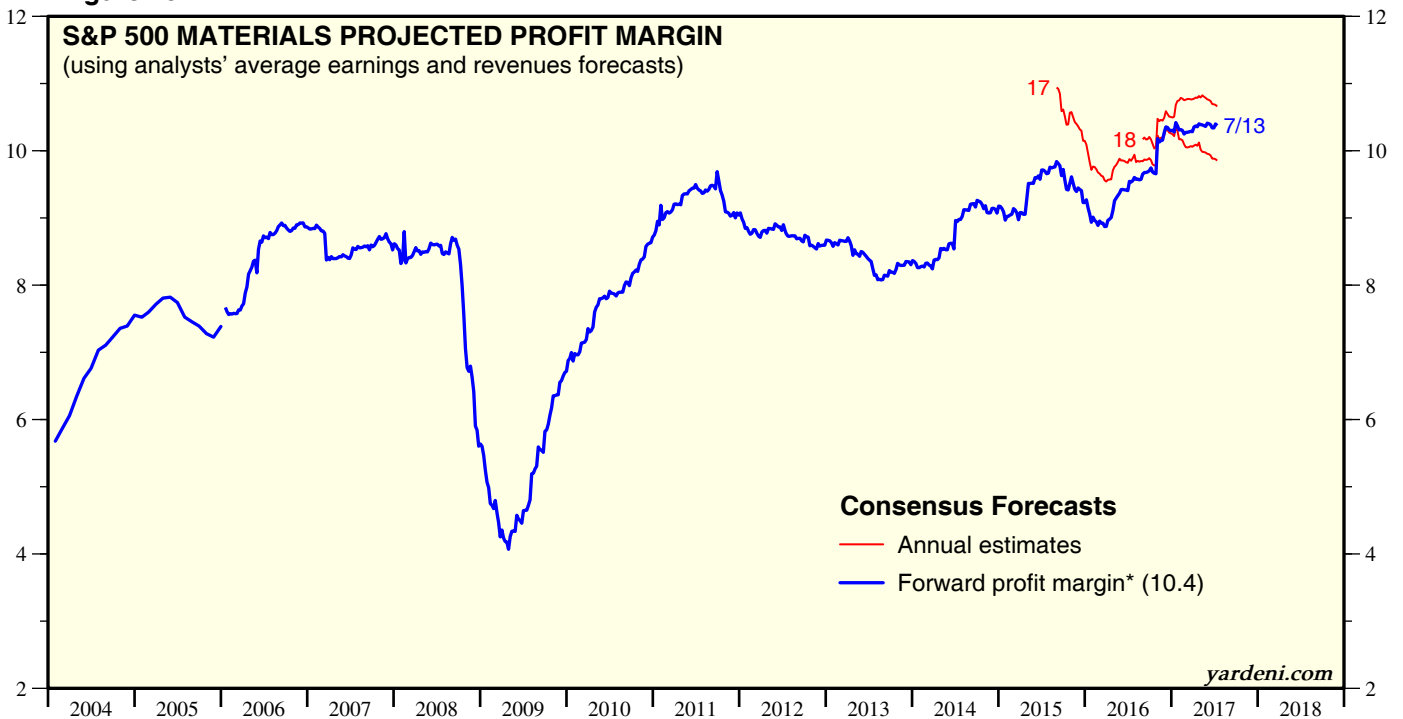
Revenues & Margins

Figure 9.



* Time-weighted average of consensus estimates for current year and next year. Monthly through December 2005, then weekly.
Source: Thomson Reuters I/B/E/S.

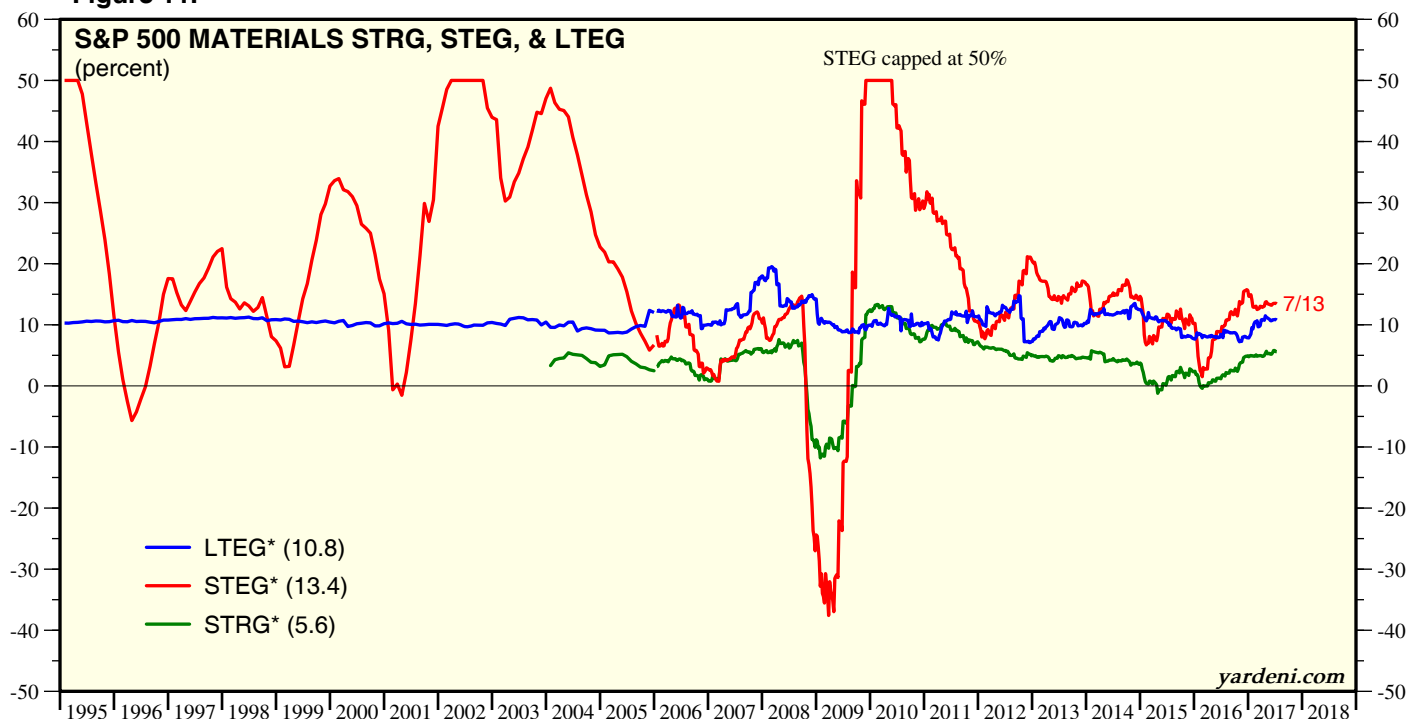
Figure 10.



* Time-weighted average of the consensus estimates for current year and next year. Monthly through December 2005, weekly thereafter.
Source: Thomson Reuters I/B/E/S.

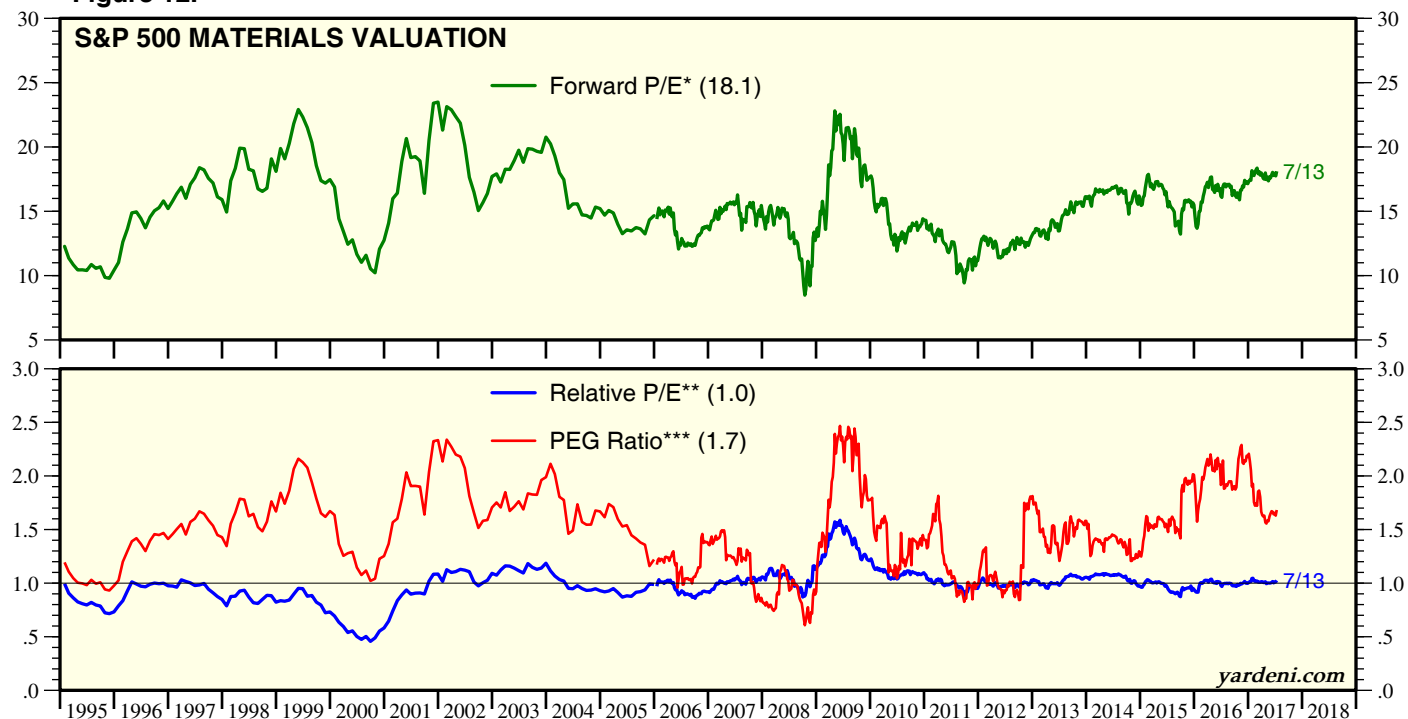
Earnings Growth & Valuation

Figure 11.



Note: STEG is year-ahead forward consensus expected short-term earnings growth. STRG is year-ahead forward consensus expected short-term revenue growth. LTEG is five-year consensus expected long-term earnings growth. Monthly data through 2005, weekly thereafter.
Source: Thomson Reuters I/B/E/S.

Figure 12.



* Price divided by 12-month forward consensus expected operating earnings per share.
** Sector or industry forward P/E relative to S&P 500 forward P/E.
*** Sector or industry forward P/E relative to sector or industry consensus 5-year LTEG forecast.
Source: Thomson Reuters I/B/E/S.

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